DEPARTMENT OF CITY PLANNING

RECOMMENDATION REPORT

City Planning Commission

Date: July 11, 2024
Time: After 8:30 a.m.
Place: Los Angeles City Hall
200 N. Spring Street, Room 340
Los Angeles, CA 90012

And via Teleconference. Information will be provided no later than 72 hours before the meeting on the meeting agenda published at https://planning.lacity.org/about/commissionsboards-hearings and/or by contacting cpc@lacity.org

Public Hearing: April 16, 2024
Appeal Status: Density Bonus off-menu incentives are not further appealable. Density Bonus on-menu incentive, Site Plan Review, and Main Conditional Use Permit are appealable to City Council.
Expiration Date: July 11, 2024
Multiple Approval: Yes

Case No.: CPC-2023-5528-DB-SPR-MCUP-HCA
CEQA No.: ENV-2023-5529-SCEA
Incidental Case: N/A
Council No.: 1 – Hernandez
Plan Area: Silver Lake – Echo Park – Elysian Valley
Specific Plan: None
Certified NC: Echo Park
General Plan Land Use Designation: General Commercial
Zone: C2-1VL

Applicant: Jeffrey Farrington, Aragon Properties Corporation
Representative: Dana Sayles, three6ixty

PROJECT LOCATION: **1185, 1187, 1193, 1195, 1197, 1201, 1205, 1207, 1211, 1215, 1221, 1225, 1229, 1233, 1239, 1243, 1245, 1247 W. Sunset Boulevard and 917 N. Everett Street**

PROPOSED PROJECT: The project involves the construction of a mixed-use residential and commercial development with 327 residential units that include 41 Very Low Income affordable units and approximately 9,462 square feet of ground-floor commercial space for a total floor area of 321,300 square feet, resulting in a Floor Area Ratio (FAR) of 3:1. The Project would consist of two buildings as follows: 1) Building A, located along Sunset Boulevard, would be seven stories with have a maximum building height of 91 feet as measured from grade and 85 feet as measured from Plumb Height; 2) Building B, located at the corner of Sunset Boulevard and Everett Street, would be seven stories with have a maximum height of 86 feet as measured from grade and 81.5 feet as measured from Plumb Height. The Project would provide 263 on-site parking spaces at one subterranean, one partially subterranean, and one at-ground/ and above-grade levels to be shared amongst all of the uses on the project site. Vehicular access to the structured parking would be provided via two stop-controlled driveways and one signalized driveway.

REQUESTED ACTIONS:

1. Pursuant to Public Resources Code Section (PRC) 21155.2(b), in consideration of the whole of the administrative record, adopt the Sustainable Communities Environmental Assessment No. ENV-2023-5529-SCEA (SCEA), adopt Findings pursuant to PRC 21155.2, and adopt the Mitigation Monitoring Program;

2. Pursuant to LAMC Section 12.22-A,25, a Density Bonus for a Housing Development with a total of 327 units, of which 41 units will be set aside for Very Low Income households, along with the following On- and Off-Menu Incentives:

    a. An on-menu incentive to allow an increase in the Floor Area Ratio (FAR) to 3.0:1 in lieu of the otherwise allowable 1.5:1 in the C2-1VL Zone;

    b. An off-menu incentive to allow a 30 percent reduction in required open space to allow 24,540 square feet in lieu of the otherwise required 35,050 square feet; and

    c. An off-menu incentive for additional height and stories as follows: Building A) 34-foot height increase for a building height of 91 feet measured from grade and 85 feet as measured from Plumb Height and seven (7) stories in lieu of the three (3) stories otherwise allowed; and Building B) 29-foot height increase for a building height of 86 feet measured from grade and 81.5 feet as measured from Plumb Height and seven (7) stories in lieu of the three (3) stories otherwise allowed;

3. Pursuant to Los Angeles Municipal Code (LAMC) Section 12.24-W,1 of Chapter 1 and LAMC Section 13.B.2.2 of Chapter 1A, a Main Conditional Use Permit to allow the sale and dispensing of a full line of alcoholic beverages for on- and off-site consumption in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats (total of 375 patron seats); and

4. Pursuant to LAMC Section 16.05, a Site Plan Review for a project resulting in an increase of 50 or more dwelling units.

RECOMMENDED ACTIONS:

1. **Find** pursuant to Public Resources Code (PRC), Section 21155.2, after consideration of the whole of the administrative record, including the SB 375 Sustainable Communities Environmental Assessment, No. ENV-2023-5529-SCEA (“SCEA”), and all comments received, after imposition of all mitigation measures there is no substantial evidence that the project will have a significant effect on the environment; **Find** the project is a “transit priority project” as defined by PRC Section 21155 and the project has incorporated all feasible mitigation measures, performance standards, or criteria set forth in prior EIR(s), including SCAG 2020-2045 RTP/SCS EIR SCH No. 20199011061; **Find** all potentially significant effects required to be identified in the initial study have been identified and analyzed in the SCEA; **Find** with respect to each significant effect on the environment required to be identified in the initial study for the SCEA, changes or alterations have been required in or incorporated into the project that avoid or mitigate the significant effects to a level of insignificance or those changes or alterations are within the responsibility and jurisdiction of another public agency and have been, or can and should be, adopted by that other agency; **Find** the SCEA reflects the independent judgment and analysis of the City; **Find** the mitigation measures have been made enforceable conditions on the project; and **Adopt** the SCEA and the Mitigation Monitoring Program prepared for the SCEA;

2. **Approve** a Density Bonus for a housing development project consisting of 327 dwelling units, of which 41 units will be set aside for Very Low Income households, and requesting the following On- and Off-Menu Incentives:

    a. An on-menu incentive to allow an increase in the Floor Area Ratio (FAR) to 3.0:1 in lieu of the otherwise allowable 1.5:1 in the C2-1VL Zone;

b. An off-menu incentive to allow a 30 percent reduction in required open space to allow 24,540 square feet in lieu of the otherwise required 35,050 square feet; and

c. An off-menu incentive for additional height and stories as follows: Building A) 34-foot height increase for a building height of 91 feet measured from grade and 85 feet as measured from Plumb Height and seven (7) stories in lieu of the three (3) stories otherwise allowed; and Building B) 29-foot height increase for a building height of 86 feet measured from grade and 81.5 feet as measured from Plumb Height and seven (7) stories in lieu of the three (3) stories otherwise allowed;

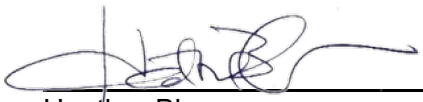
3. **Approve** a Main Conditional Use Permit to allow the sale and dispensing of a full line of alcoholic beverages for on- and off-site consumption in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats (total of 375 patron seats);

4. **Approve** a Site Plan Review for a development which creates, or results in, an increase of 50 or more dwelling units;

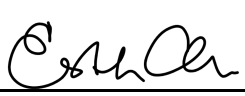
5. **Adopt** the attached Conditions of Approval; and

6. **Adopt** the attached Findings.

VINCENT P. BERTONI, AICP
Director of Planning



Heather Bleemers
Senior City Planner



Esther Ahn
City Planner

ADVICE TO PUBLIC: *The exact time this report will be considered during the meeting is uncertain since there may be several other items on the agenda. Written communications may be mailed to the *Commission Secretariat, Room 272, City Hall, 200 North Spring Street, Los Angeles, CA 90012* (Phone No. 213-978-1300). While all written communications are given to the Commission for consideration, the initial packets are sent to the week prior to the Commission's meeting date. If you challenge these agenda items in court, you may be limited to raising only those issues you or someone else raised at the public hearing agendized herein, or in written correspondence on these matters delivered to this agency at or prior to the public hearing. As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability, and upon request, will provide reasonable accommodation to ensure equal access to these programs, services and activities. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or other services may be provided upon request. To ensure availability of services, please make your request not later than three working days (72 hours) prior to the meeting by calling the Commission Secretariat at (213) 978-1300.

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PROJECT ANALYSIS

PROJECT SUMMARY

The project involves the construction of a mixed-use residential and commercial development with 327 residential units that include 41 Very Low Income affordable units and approximately 9,462 square feet of ground-floor commercial space for a total floor area of 321,300 square feet, resulting in a Floor Area Ratio (FAR) of 3:1. The Project would consist of 41,565 square feet of public and private open space areas and two buildings as follows: 1) Building A would contain 279 residential units, 231,234 square feet of floor area, and would rise to a maximum height of 91 feet and seven (7) stories; 2) Building B would contain 48 residential units, 64,417 square feet of floor area and would rise to a maximum height of 87 feet.

Building A is proposed to be located along the Sunset Boulevard frontage and would include one subterranean and one partially subterranean level of parking, as well as additional parking above-grade buffered by a mix of residential and commercial uses. As shown below in Figure 1, Building A's ground floor frontage would contain a retail/restaurant commercial space (approximately 2,920 square feet of floor area), one driveway near the intersection of Sunset Boulevard and Marion Street, one driveway at the northern edge of the project site along Sunset Boulevard, and the building's main lobby and administrative office. The remainder of Building A's Sunset Boulevard frontage would be lined with live/work residential units with individual entries and patios accessible from the street, along with approximately 2,730 square feet of public outdoor plaza areas. The active uses along the street frontage would buffer the above-grade parking located in the rear of the site which is accessible from the driveway entry between the proposed lobby and retail/restaurant commercial space.

Figure 1. *Proposed development along Sunset Boulevard near Marion Street.*

Due to the slope of the site, the retail and main lobby spaces appear to be on the same level as the parking areas, residential storage, bike room, and additional lobby area located towards the northern portion of the site which are actually subterranean and below street level. As such, the residential units lining the street frontage to the north as viewed from grade are considered to be on the second floor of the building which contains parking in the rear. As viewed from grade, the third floor of Building A provides a mixture of one- and two-bedroom units with two lobby spaces and a fitness center located at the center of the building along Sunset Boulevard. Floors four through six all provide additional one- and two-bedroom units, with a community room provided

on the fifth floor. The proposed seventh floor contains the remaining one- and two-bedroom units as well as an expansive roof deck, club room, and club lounge which provides a view pointing towards downtown Los Angeles.

Building B is proposed to be located along the intersection of Sunset Boulevard and Everett Street and would include approximately 6,542 square feet of ground floor commercial space for retail/restaurant uses and 3,115 square feet of public outdoor plaza areas. The project site as a whole slopes downward along Sunset Boulevard toward Building B (southern triangular point of the site), with a ramp provided from the driveway entrance at Marion Street down to a subterranean level of parking, residential storage areas, trash and recycling, and another bike room. From grade level, the building's first floor (ground floor) provides a large restaurant space at the corner of Sunset Boulevard and Everett Street as well as a retail space along Sunset Boulevard. As shown below in Figure 2, the corner of Sunset Boulevard and Everett Street also includes an approximately 700 square-foot public plaza accessible from both street frontages. Back of House uses for the retail and restaurant spaces are provided at the rear of the site, including trash, storage areas, and recycling. Floors two through six of the proposed Building B provide a mixture of residential unit types oriented around a central corridor. The seventh floor includes the remaining residential units along with two roof decks, one designed as a passive space and the other designed as an active space for residents.

Figure 2. *Proposed development along the corner of Sunset Boulevard and Everett Street.*

Altogether, the project proposes 327 total dwelling units including 13 studios, 230 one-bedroom units, 79 two-bedroom units, and 5 three-bedroom units. The project proposes a total of 263 parking spaces which would be unbundled and shared among all the uses on the site. Building A would provide its parking within one subterranean, one partially subterranean, and on at-grade level, while Building B would provide its parking within one subterranean level accessed from a ramp at the Marion Street driveway. Parking for Building A can also be accessed from this Marion Street driveway as well as two additional driveways farther north. In accordance with the 2022 California Building Code, 40 percent of the vehicular parking would be either installed or equipped for future electric vehicle parking spaces. The proposed project would provide a total of 24,540 square feet of qualifying common open space, as defined by the Los Angeles Municipal Code,

distributed among private decks, courtyards, roof decks, indoor amenities, and a plaza. The project also provides 17,025 square feet of additional public and private open space which do not meet the usable open space definition in the form of private decks, two public plazas, two retail patios, and a courtyard. The project proposes 84 new on-site trees which exceeds the 82 new trees otherwise required.

PROJECT BACKGROUND

Project Site

The project site consists of 16 lots encompassing a total surface area of approximately 107,170 square feet, or 2.46 acres. The subject property is irregularly shaped, as shown below in Figure 3, and features extensive sloping and grade change along both the north-south and east-west axes of the site. The project site has approximately 820 feet of street frontage along the easterly side of Sunset Boulevard and approximately 230 feet of street frontage along the westerly side of Everett Street. The site is currently vacant, consisting of overgrown vegetation and exotic trees, none of which are protected species.

Figure 3. *Outline of project site boundaries between Sunset Boulevard and Everett Street.*

General Plan Land Use Designation and Zoning

The project site is located in the Silver Lake – Echo Park – Elysian Valley Community Plan area which is one of the 35 Community Plans which together form the Land Use Element of the General Plan. The Silver Lake – Echo Park – Elysian Valley Community Plan designates the subject property for General Commercial land uses with corresponding zones of RAS3, CR, C1.5, C2, C4, and P. The project site is zoned C2-1VL and is thus consistent with the existing land use designation. The site is not located within any Specific Plan areas and is not subject to any community design overlays or interim control ordinances.

Surrounding Properties

The project site is located in a substantially urbanized and developed area surrounded primarily by commercial and multi-family residential uses. Properties to the north are zoned [Q]R3-1VL and are developed with one- and two-story multi-family housing and commercial retail uses along Sunset Boulevard. Approximately 1,000 feet to the north is Elysian Park Avenue which functions as the Sunset Gate for Dodgers Stadium. Properties to the south are zoned C2-1VL and C2-2D and are developed with commercial retail uses, one- and two-story multi-family residential uses, auto repair, and a church with buildings that range from two- and eight-stories. To the west, properties are zoned C2-1VL and are developed with various commercial uses including a tattoo parlor, beauty salon, botanical shop, clothing stores, bars, and multi-family housing which range from two- to three-stories. Properties to the east along Everett Street are zoned [Q]R3-1VL and consist of one- to three-story multi-family residential uses.

Streets and Circulation

Sunset Boulevard, adjoining the subject property to the west, is a designated Avenue I, dedicated to a right-of-way width of 100 feet and improved with concrete curb, gutter, and sidewalk.

Everett Street, adjoining the subject property to the east, is a designated Hillside Local, dedicated to a right-of-way width of 60 feet and improved with concrete curb, gutter, and sidewalk.

Relevant Cases

Subject Property

Case No. CPC-2013-3319-DB-SPR – On April 26, 2018, the City Planning Commission approved a Density Bonus and Site Plan Review allowing for a mixed-use development consisting of multiple buildings known as the Sunset & Everett Mixed-Use Development. The proposed project would remove existing uses on the site, including a warehouse, two-unit apartment building, bungalow apartments, commercial building, surface parking lots and a car wash/repair shop to construct a 148,345 square-foot Building A containing 161 dwelling units and 3,078 square feet of ground-floor retail and a 49,513 square-foot Building B containing 43 dwelling units and 8,256 square feet of ground-floor retail. In total, the project proposed 204 residential units, 11,334 square feet of retail, 294 parking spaces, and 236 bicycle parking spaces.

Case No. VTT-72553-CN – On March 29, 2018, the Advisory Agency approved a tract map which consolidated a series of lots along Sunset Boulevard into one 2.45-acre lot for the purpose of redevelopment associated with Case No. CPC-2013-3319-DB-SPR.

Case No. VTT-72552-SL – On March 16, 2018, the Advisory Agency approved a small lot subdivision tract map allowing for the construction, use, and maintenance of six small lot homes located at 959 North Everett Street.

Surrounding Properties

The following relevant cases were identified to be within 1,000 feet of the project site:

Case No. CPC-2018-176-DB-BL-VCU-CU-MCUP-DD-SPR – On March 29, 2022, the City Planning Commission approved the 1111 Sunset Project, a multi-building, mixed use development with up to 1,019,034 square feet of new floor area on an approximate 6.19-acre site with a maximum 994,982 square feet of habitable area. Two development

scenarios were proposed: the Mixed-Use Development Scenario allowed for up to 737 dwelling units (including 76 Very Low Income units), 180 hotel guest rooms, 48,000 square feet of office, and 95,000 square feet of general commercial floor area; the No-Hotel Scenario allowed up to 827 residential units (including up to 76 Very Low Income units), 48,000 square feet of office, and 95,000 square feet of general commercial floor area.

Case No. DIR-2018-6956-TOC-SPR – On May 7, 2019, the designee of the Director of Planning approved a six-story, 68-foot-high apartment building containing 77 dwelling units and 65 parking spaces encompassing 53,372 square feet of floor area. The project is within the C2-1VL Zone and located at 1275-1279 West Sunset Boulevard.

REQUESTED ACTIONS

The applicant is requesting a Density Bonus, resulting in a 22 percent density increase of the 268 base units otherwise permitted, with incentives for certain development standards to facilitate the development of the proposed project. The applicant's request includes one on-menu incentive for increased Floor Area Ratio (FAR) and two off-menu incentives for open space reduction and increased height. As such, Staff has subsequently recommended that the project be approved with the incentives as follows:

a. An on-menu incentive to allow an increase in the Floor Area Ratio (FAR) to 3.0:1 in lieu of the otherwise allowable 1.5:1 FAR in the C2-1VL Zone;

b. An off-menu incentive to allow a 30 percent reduction in required open space to allow 24,540 square feet in lieu of the otherwise required 35,050 square feet; and

c. An off-menu incentive to allow for additional height and stories as follows: Building A) 34-foot height increase for a building height of 91 feet measured from grade and 85 feet as measured from Plumb Height and 7 stories in lieu of 3 stories; and Building B) 29-foot height increase for a building height of 86 feet measured from grade and 81.5 feet as measured from Plumb Height and 7 stories in lieu of 3 stories.

As detailed in the Findings, the requested incentives are required to provide for affordable housing costs. Adherence to code requirements for the height, floor area ratio, and setbacks would hinder the ability for the project to provide its proposed 41 units set aside for Very Low Income households. Due to the project's creation of more than 50 dwelling units, an entitlement for a Site Plan Review is also required. Additionally, the applicant is requesting a Main Conditional Use Permit to allow the sale and dispensing of a full line of alcoholic beverages for on- and off-site consumption in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats (total of 375 patron seats).

Density Bonus / Affordable Housing Incentive Program

In accordance with California Government Code Section 65915 and LAMC Section 12.22 A,25, in exchange for setting aside a minimum percentage of the project's units for affordable housing, the project is eligible for a density bonus, reduction in parking, and incentives and waivers allowing for relief from development standards. The applicant has requested to utilize the provisions of City and State Density Bonus laws as follows:

Density

The subject property is zoned C2-1VL, which limits density to one dwelling unit per 400 square feet of lot area. The subject property has a gross lot area of 107,100 square feet and, as such, the permitted base density on the subject property is 268 units.[1] In exchange for setting aside 41 units for Very Low Income household occupancy, or at least 11 percent of the total units, the applicant is entitled to a maximum 35 percent by-right density bonus to allow for the 327 proposed dwelling units.

Automobile Parking

Assembly Bill (AB) 2097, which became effective on January 1, 2023, prohibits public agencies from imposing minimum vehicle parking requirements on most residential, commercial, and other development projects within one-half mile of a Major Transit Stop, as defined in Public Resources Code Section 21155. As a qualified project, the applicant does not have any minimum parking requirements but may choose to provide automobile parking spaces. In this case, the applicant is electing to provide 263 parking spaces within one subterranean, one partially subterranean, and one at-grade level of parking.

Incentives

Pursuant to the LAMC and California Government Code Section 65915, the applicant is entitled to three incentives in exchange for reserving a minimum of 15 percent of the base density for Very Low Income households. The proposed project will set aside 41 units, which is equal to approximately 15 percent of the base number of units, for Very Low Income households. Accordingly, Staff has recommended that the project be granted three incentives as follows:

a. **Increased Floor Area Ratio** – The subject property is zoned C2-1VL. The property's commercial zoning and designation of Height District No. 1VL permit a maximum FAR or 1.5 to 1, equal to a maximum of 160,650 square feet of total building area. Staff recommends that an on-menu incentive be granted to allow a maximum FAR of 3.0 to 1 to allow for the project which proposes a total of 242,796 square feet of floor area.

b. **Increased Height** – The subject property's C2-1VL Zone permits a maximum height of 45 feet and three (3) stories for a mixed-use development. The proposed development is seven (7) stories and 91 feet (Building A) and 87 feet (Building B) in height when measured at grade. Staff recommends that an off-menu incentive be granted to allow a maximum seven (7) stories and height of 91 feet and 87 feet in lieu of the otherwise permitted three (3) stories and 45 feet pursuant to LAMC Section 12.21.1.

c. **Reduced Open Space** – Based upon the project's proposed 347 dwelling units, within which there are 13 studio units, 230 one-bedroom units, 79 two-bedroom units, and 5 three-bedroom units, a total of 35,050 square feet of open space would be required per LAMC Section 12.21 G.2. In order to develop the proposed housing development, including its 41 units reserved for Very Low Income household occupancy, the Applicant requests an off-menu incentive to permit a 30 percent reduction in the required amount of open space which would result in 24,540 square feet of open space. The project proposes to provide 24,540 square feet of open space to comply with this incentive and development standard, along with 17,025 square feet of additional public and private open space which do not count toward the Code-required definition of open space. As such, Staff recommends that an off-menu incentive be granted to allow a 30 percent reduction in the required amount of open space.

[1] Assembly Bill 2501 clarifies that density calculations that result in a fractional number are to be rounded up to the next whole number. This applies to base density, number of bonus units, and number of affordable units required to be eligible for the density bonus.

Housing Replacement

Pursuant to Government Code Section 65915(c)(3) and State Assembly Bills 2222 and 2556, applicants of Density Bonus projects filed as of January 1, 2015 must demonstrate compliance with the housing replacement provisions which require replacement of rental dwelling units that either exist at the time of application for a Density Bonus project, or have been vacated or demolished in the five-year period preceding the application of the project. This applies to all pre-existing units that have been subject to a recorded covenant, ordinance, or law that restricts rents to levels affordable to persons and families of lower or very low income; subject to any other form or rent or price control; or occupied by Low or Very Low Income households. On July 18, 2023, the Los Angeles Housing Department (LAHD) determined that no units are subject to replacement pursuant to the requirements of SB 8. The project site is currently vacant and while four (4) units were identified as "Protected Units" within the lookback period, none of them are subject to replacement as affordable "Protected Units."

Main Conditional Use Permit

Pursuant to LAMC Section 12.24-W,1, the applicant seeks a Main Conditional Use Permit (MCUP) to allow the sale of a full line of alcoholic beverages for on- and off-site consumption in conjunction with potential indoor and outdoor restaurant space for up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats (total of 375 patron seats). While the specific commercial tenants or programming have not yet been determined, the total floor area for all venues would not exceed 9,462 square feet and would be located wholly on the ground floor of the proposed building.

A Main Conditional Use Permit establishes a theoretical maximum for the project; for example, a maximum number of establishments within a development to serve alcoholic beverages, as well as a maximum square footage. In addition to the MCUP approval, each venue/tenant would subsequently apply for a Main Plan Approval which would include more specificity with respect to layout, number of seats, square footage, and specific operational conditions. The venue/tenant-specific Main Plan Approvals work to ensure that each venue is compliant with the overall vision for the project and does not create adverse impacts.

PUBLIC HEARING

A public hearing on this matter was held by the Hearing Officer virtually on April 16, 2024 at 1:00 p.m. A summary of the public hearing and any additional communications is detailed on Page P-1, Public Hearing and Communications.

PROFESSIONAL VOLUNTEER PROGRAM

The proposed project was reviewed by the Urban Design Studio's Professional Volunteer Program (PVP) on November 7, 2023. The resulting comments and suggestions, detailed in the following section, Issues and Considerations, focus primarily on pedestrian safety and the interfacing of the ground floor uses with the public right-of-way.

ISSUES AND CONSIDERATIONS

The following includes a discussion of issues and considerations related to the project. These discussion points were either identified during the design review process with PVP, at the public hearing held on April 16, 2024, or in discussions with the applicant.

Various suggestions and opinions were raised related to the design of the live/work units proposed along the project's Sunset Boulevard frontage. Feedback from PVP included suggestions to clarify the live/work units' connection to the street and internal connection. Although the project misses an opportunity to incorporate influences from the nearby historic resources, the exterior façade treatment is well-executed to successfully avoid a monolithic impression despite the length of the building. Improvements that could enhance pedestrian safety along Sunset Boulevard are increased street lighting and adding more dimension to the inner walkways. The site programming is well-executed, and the building proportions are well-balanced. There are opportunities to create a passive recreation space on the rear side of the site with elements such as a walking trail, native plants, and an observation deck.

In response to comments related to the proposed live/work units, the Applicant team stated that 4 out of 6 live/work units have direct access from Sunset Boulevard, but due to topographical change, the other 2 live/work units have access from the secondary lobby. The live/work units have the flexibility to convert a bedroom into a work area, but the Applicant team will further study live/work unit plans during design development. In response to the long walkways, recessed entrances are provided to every unit for personalization with materials, colors, and lighting to avoid a mundane corridor. Currently, the proposed design provides vertical linear LED walls, landscape lighting, step lighting, recessed in-ground outdoor lights, integrated planter lighting, and outdoor lighting fixtures in softscape illuminating the Sunset and Everett sidewalks. The Applicant team will consider other elements and further study the possibility of integrating the historical context and publicly accessible passive recreation areas.

Regarding climate-adapted urban design, concerns were raised related to shade-producing trees and residential units on upper floors that are not recessed, requiring shading elements to reduce heat gain. While the existing palm trees along Sunset Boulevard complement the context, they do not serve as canopy trees to provide sufficient shading. In response, the Applicant team clarified that the project would provide additional trees between the existing palm trees and will further study the treatment of the units on the upper floors during design development. In addition to the CEQA impacts analyzed by the project's SCEA, the Applicant provided additional technical studies to address concerns raised by the public, including air quality, desire for an additional traffic signal on Everett Street, and tree removals. The Applicant's responses and supplemental studies ("Health Risk Assessment Evaluation," "Signal Warrant Analysis," and "Biological Responses to Comments") are contained within Exhibit C.

PROJECT SUSTAINABILITY FEATURES

As shown in the attached plans (Exhibit A), the project will provide the required number of Electric Vehicle (EV) parking per the Building Code (30 percent would be EV capable, 25 percent EV ready, and 10 percent equipped with EV chargers). Of the project's proposed 244 residential parking spaces, 74 would be EV capable, 61 would be EV ready, and 25 would have EV chargers. Of the 160 EV parking spaces, seven (7) would be EV accessible. The project plans also include areas carved out on the roof for solar panels as required by the Green Code as well as areas for mechanical units. The project features robust open space areas including passive open space areas which will be extensively landscaped as indicated on the project's landscape plans.

CONCLUSION

Based on the public hearing and information submitted to the record, staff recommends that the City Planning Commission find, based on its independent judgment, after consideration of the whole of the administrative record, that the project will not result in any significant impacts upon adoption of the project's SCEA and Mitigation Monitoring Program. Staff also recommends that the City Planning Commission approve the Density Bonus with staff's recommended incentives,

the Site Plan Review, and the Main Conditional Use Permit for the service of alcoholic beverages for on- and off-site consumption for up to five (5) establishments.

CONDITIONS OF APPROVAL

Pursuant to Sections 12.22-A,25, 12.24-W,1, and 16.05 of the Los Angeles Municipal Code, the following conditions are hereby imposed upon the use of the subject property:

Development Conditions

1. **Site Development.** Except as modified herein, the project shall be in substantial conformance with the architectural plans, landscape plan, renderings, and materials submitted by the applicant, stamped "Exhibit A," and attached to the subject case file.

2. **Residential Density.** The project shall be limited to a maximum density of 327 dwelling units, inclusive of restricted affordable units.

3. **Affordable Units.**

   a. A minimum of 41 dwelling units, that is 15 percent of the base units, shall be designated as Restricted Affordable Units and reserved for Very Low Income households as defined by the State Density Bonus Law per Government Code Section 65915(c)(2).

   b. **Changes in Restricted Units.** Deviations that increase the number of restricted affordable units or that change the composition of units or change parking numbers shall be consistent with LAMC Section 12.22 A.25.

4. **Housing Requirements.** Prior to issuance of a building permit, the owner shall execute a covenant to the satisfaction of the Los Angeles Housing and Community Investment Department (HCIDLA) to make 15 percent of the site's base density units (41 units) available to Very Low Income households, for sale or rental as determined to be affordable to such households by HCIDLA for a period of 55 years. In the event the applicant reduces the proposed density of the project, the number of required reserved on-site Restricted Units may be adjusted, consistent with LAMC Section 12.22-A,25, to the satisfaction of HCIDLA, and in consideration of the project's SB 330 Determination, dated July 18, 2023. Enforcement of the terms of said covenant shall be the responsibility of HCIDLA. The applicant shall present a copy of the recorded covenant to the Department of City Planning for inclusion in this file. The project shall comply with the Guidelines for the Affordable Housing Incentives Program adopted by the City Planning Commission and with any monitoring requirements established by the HCIDLA.

5. **Incentives.**

   a. **Floor Area Ratio (FAR).** A maximum Floor Area Ratio (FAR) of 3.0 to 1 may be permitted in lieu of the 1.5 to 1 otherwise permitted by the C2-1VL Zone.

   b. **Open Space.** The project may be permitted a maximum 30 percent reduction in the amount of required open space to provide 24,540 square feet in lieu of the 35,050 square feet otherwise required.

   c. **Height.** Building A may have a maximum height of 91 feet as measured from grade (85 feet as measured from Plumb Height) and Building B may have a maximum height of 86 feet as measured from grade (81.5 feet as measured from Plumb Height). Both buildings may rise to a height of seven (7) stories in lieu of the three (3) stories and 45-foot height limit otherwise required in the C2-1VL Zone. The

measured height of the building may exclude roof structures and equipment, pursuant to LAMC Section 12.21.1, and to the satisfaction of the Los Angeles Department of Building and Safety.

6. **Parking.**

   a. **Automobile Parking.** Pursuant to California Government Code Section 65915(p)(3) and AB 2097, the project shall not be required to provide any minimum vehicle parking. The applicant may choose to provide a greater amount of vehicle parking.

   b. **Bicycle Parking.** Bicycle parking shall be provided in compliance with the Municipal Code and to the satisfaction of the Department of Building and Safety. No variance from the bicycle parking requirements has been requested or granted herein.

   c. **Electric Vehicle Parking.** All electric vehicle charging spaces (EV Spaces) and electric vehicle charging stations (EVCS) shall comply with the regulations outlined in Sections 99.04.106 and 99.05.106 of Article9, Chapter IX of the LAMC.

7. **Circulation.** The applicant shall submit a parking area and driveway plan to the Los Angeles Department of Transportation (LADOT) for approval.

8. **Landscaping.** All open areas not used for buildings, driveways, parking areas, or walkways shall be attractively landscaped and maintained in accordance with a landscape plan and an automatic irrigation plan, prepared by a licensed Landscape Architect and to the satisfaction of the Department of City Planning.

9. **Solar Energy Infrastructure.** The project shall comply with the Los Angeles Municipal Green Building Code, Section 99.05.211, to the satisfaction of the Department of Building and Safety.

10. **Trash.** Trash receptacles shall be stored within a fully enclosed portion of the building at all times. Trash/recycling containers shall be locked when not in use and shall not be placed in or block access to required parking.

11. **Lighting.** Outdoor lighting shall be designed and installed with shielding, such that the light source does not illuminate adjacent residential properties or the public right-of-way, nor the above night skies.

12. **Mechanical Equipment.** All mechanical equipment on the roof shall be screened from view by any abutting properties. The transformer, if located in the front yard, shall be screened with landscaping and/or materials consistent with the building façade on all exposed sides.

13. **Street Trees.** Street trees shall be provided to the satisfaction of the Urban Forestry Division. Street trees may be used to satisfy on-site tree requirements pursuant to LAMC Article Section 12.21.G.3 (Chapter 1, Open Space Requirement for Six or More Residential Units).

Main Conditional Use Permit Conditions

14. **Main Conditional Use Permit (MCUP).** Approved herein is a Main Conditional Use Permit for the sale of a full line of alcoholic beverages for on- and off-site consumption, including distilled spirits and beer and wine, in conjunction with the use and operation of 9,462 square feet of indoor and outdoor restaurant space for up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats, for a maximum 375 patron seats.

15. **Main Plan Approval (MPA) Requirement.** Each individual venue shall be subject to a Main Plan Approval (MPA) determination pursuant to Section 13B.2.2.H of the Los Angeles Municipal Code Chapter 1A in order to implement and utilize the Main Conditional Use authorization granted. The purpose of the Main Plan Approval determination is to review each proposed venue in greater detail and to tailor site-specific conditions of approval for each of the premises including but not limited to hours of operation, seating capacity, size, security, live entertainment, the length of a term grant and/or any requirement for a subsequent MPA application to evaluate compliance and effectiveness of the conditions of approval. The Zoning Administrator may impose more restrictive or less restrictive conditions on each individual tenant at the time of review of each Plan Approval application.

16. **MPA Public Hearing Requirement.** A public hearing for any Main Plan Approval (MPA) request may be waived at the discretion of the Chief Zoning Administrator.

17. Notwithstanding approved “Exhibit A” and the Conditions above, this grant recognizes that there may be changes resulting from identified tenants, which may result in smaller or larger restaurants, different locations, and/or a reduced number of restaurants than those originally proposed and identified in “Exhibit A”. Such outcome is permitted provided that the other conditions noted herein, specifically those related to the combined maximum interior floor areas, maximum interior and exterior seating numbers, maximum (total) number of establishments authorized under this grant, and the maximum number of establishments approved for each type of grant in the Conditions above are not exceeded. The sale and dispensing of beer and wine may be provided in lieu of a full line of alcoholic beverages at any of the establishments approved for a full line of alcoholic beverages (but not the reverse), provided that the maximum (total) number of establishments authorized for alcoholic beverages is not exceeded, and subject to all other conditions of this grant.

18. All graffiti on the site shall be removed or painted over to match the color of the surface to which it is applied within 24 hours of its occurrence.

19. Coin operated game machines, pool tables or similar game activities or equipment shall not be permitted. Official California State lottery games and machines are allowed.

20. A camera surveillance system shall be installed and operating at all times to monitor the interior, entrance, exits and exterior areas, in front of and around the premises. Recordings shall be maintained for a minimum period of 30 days and are intended for use by the Los Angeles Police Department.

21. All exterior portions of the site shall be adequately illuminated in the evening so as to make discernible the faces and clothing of persons utilizing the space. Lighting shall be directed onto the site without being disruptive to persons on adjacent properties.

22. The exterior windows and glass doors of the store shall be maintained substantially free of signs and other materials from the ground to at least 6 feet in height above the ground so as to permit surveillance into the store by Police and/or private security.

23. **Complaint Log.** A telephone number and email address shall be provided for complaints or concerns from the community regarding the operation. The phone number and email address shall be posted at the following locations:

    a. Entry, visible to pedestrians
    b. Customer service desk, front desk or near the reception area.

    Complaints shall be responded to within 24-hours. The applicant shall maintain a log of all calls and emails, detailing: (1) date complaint received; (2) nature of complaint, and (3) the manner in which the complaint was resolved.

24. **STAR/LEAD/RBS Training.** Within the first six months of operation, all employees involved with the sale of alcohol shall enroll in the Los Angeles Police Department “Standardized Training for Alcohol Retailers” (STAR) or Department of Alcoholic Beverage Control “Licensee Education on Alcohol and Drugs” (LEAD) training program or the Responsible Beverage Service (RBS) Training Program. Upon completion of such training, the applicant shall request the Police Department or Department of Alcohol Beverage Control to issue a letter identifying which employees completed the training. STAR or LEAD or RBS training shall be conducted for all new hires within three months of their employment.

25. The applicant shall be responsible for monitoring both patron and employee conduct on the premises and within the parking areas under his/her control to assure such conduct does not adversely affect or detract from the quality of life for adjoining residents, property owners, and businesses.

26. Loitering is prohibited on or around these premises or the area under the control of the applicant. "No Loitering or Public Drinking" signs shall be posted in and outside of the subject facility.

27. At least one on-duty manager with authority over the activities within the facility shall be on the premises during business hours. The on-duty manager’s responsibilities shall include the monitoring of the premises to ensure compliance with all applicable State laws, Municipal Code requirements and the conditions imposed by the Department of Alcoholic Beverage Control (ABC) and the conditional use herein. Every effort shall be undertaken in managing the subject premises and the facility to discourage illegal and criminal activities and any exterior area over which the building owner exercises control, in effort to ensure that no activities associated with such problems as narcotics sales, use or possession, gambling, prostitution, loitering, theft, vandalism and truancy occur.

28. The applicant shall be responsible for maintaining the premises and adjoining sidewalk free of debris or litter.

29. An electronic age verification device shall be purchased and retained on the premises to determine the age of any individual and shall be installed on at each point-of-sales location. This device shall be maintained in operational condition and all employees shall be instructed in its use.

30. Smoking or any non-tobacco substance, including from electronic smoking devices, is prohibited in or within 10 feet of the outdoor dining areas in accordance with Los Angeles Municipal Code Section 41.50 B 2 C. This prohibition applies to all outdoor areas of the establishment if the outdoor area is used in conjunction with food service and/or the consumption, dispensing or sale of alcoholic or non-alcoholic beverages.

31. The applicant(s) shall comply with 6404.5(b) of the Labor Code, which prohibits smoking within any place of employment. The applicant shall not possess ashtrays or other receptacles used for the purpose of collecting trash or cigarettes/cigar butts within the interior of the subject establishment.

32. Any music, sound or noise which is under control of the applicant shall not violate Sections 112.06 or 116.01 of the Los Angeles Municipal Code (Citywide Noise Ordinance). At any time, a City representative may visit the site during operating hours to measure the noise levels. If, upon inspection, it is found that the noise level exceeds those allowed by the citywide noise regulation, the owner/operator will be notified and will be required to modify or eliminate the source of the noise or retain an acoustical engineer to recommend, design and implement noise control measures within property such as, noise barriers, sound absorbers or buffer zones.

33. There shall be no dancing permitted on the premises at any time unless an application pursuant to LAMC Section 12.24-W,18(a) is filed, and a public hearing is held.

34. There shall be no live entertainment, disc jockey or karaoke at any establishment on the site unless permitted by a Plan Approval with a public hearing.

Environmental Conditions

35. The Mitigation Monitoring and Reporting Program included as Section 6 in the SCEA dated March 2023 (Case No. ENV-2023-5529-SCEA) shall be enforced through all phases of the project. The applicant shall be responsible for implementing each Mitigation Measure (MM) and shall be obligated to provide certification to the appropriate monitoring and enforcement agencies that each MM has been implemented.

Administrative Conditions

36. **Final Plans.** Prior to the issuance of any building permits for the project by the Department of Building and Safety, the applicant shall submit all final construction plans that are awaiting issuance of a building permit by the Department of Building and Safety for final review and approval by the Department of City Planning. All plans that are awaiting issuance of a building permit by the Department of Building and Safety shall be stamped by Department of City Planning staff “Final Plans”. A copy of the Final Plans, supplied by the applicant, shall be retained in the subject case file.

37. **Notations on Plans.** Plans submitted to the Department of Building and Safety, for the purpose of processing a building permit application shall include all of the Conditions of Approval herein attached as a cover sheet, and shall include any modifications or notations required herein.

38. **Building Plans.** A copy of the first page of this grant and all Conditions and/or any subsequent appeal of this grant and its resultant Conditions and/or letters of clarification shall be printed on the building plans submitted to the Development Services Center and the Department of Building and Safety for purposes of having a building permit issued.

39. **Corrective Conditions.** The authorized use shall be conducted at all times with due regard for the character of the surrounding district, and the right is reserved to the City Planning Commission, or the Director pursuant to Section 12.27.1 of the Municipal Code, to impose additional corrective conditions, if, in the Commission’s or Director’s opinion,

such conditions are proven necessary for the protection of persons in the neighborhood or occupants of adjacent property.

40. **Approvals, Verification and Submittals.** Copies of any approvals, guarantees or verification of consultations, reviews or approval, plans, etc., as may be required by the subject conditions, shall be provided to the Department of City Planning for placement in the subject file.

41. **Code Compliance.** All area, height and use regulations of the zone classification of the subject property shall be complied with, except wherein these conditions explicitly allow otherwise.

42. **Department of Building and Safety.** The granting of this determination by the Director of Planning does not in any way indicate full compliance with applicable provisions of the Los Angeles Municipal Code Chapter IX (Building Code). Any corrections and/or modifications to plans made subsequent to this determination by a Department of Building and Safety Plan Check Engineer that affect any part of the exterior design or appearance of the project as approved by the Director, and which are deemed necessary by the Department of Building and Safety for Building Code compliance, shall require a referral of the revised plans back to the Department of City Planning for additional review and sign-off prior to the issuance of any permit in connection with those plans.

43. **Department of Water and Power.** Satisfactory arrangements shall be made with the Los Angeles Department of Water and Power (LADWP) for compliance with LADWP's Rules Governing Water and Electric Service. Any corrections and/or modifications to plans made subsequent to this determination in order to accommodate changes to the project due to the under-grounding of utility lines, that are outside of substantial compliance or that affect any part of the exterior design or appearance of the project as approved by the Director, shall require a referral of the revised plans back to the Department of City Planning for additional review and sign-off prior to the issuance of any permit in connection with those plans.

44. **Covenant.** Prior to the issuance of any permits relative to this matter, an agreement concerning all the information contained in these conditions shall be recorded in the County Recorder's Office. The agreement shall run with the land and shall be binding on any subsequent property owners, heirs or assign. The agreement must be submitted to the Department of City Planning for approval before being recorded. After recordation, a copy bearing the Recorder's number and date shall be provided to the Department of City Planning for attachment to the file.

45. **Definition.** Any agencies, public officials or legislation referenced in these conditions shall mean those agencies, public offices, legislation or their successors, designees or amendment to any legislation.

46. **Enforcement.** Compliance with these conditions and the intent of these conditions shall be to the satisfaction of the Department of City Planning and any designated agency, or the agency's successor and in accordance with any stated laws or regulations, or any amendments thereto.

47. **Expedited Processing Section.** Prior to the clearance of any conditions, the applicant shall show proof that all fees have been paid to the Department of City Planning, Expedited Processing Section.

48. **Indemnification and Reimbursement of Litigation Costs.**

Applicant shall do all of the following:

a. Defend, indemnify and hold harmless the City from any and all actions against the City relating to or arising out of, in whole or in part, the City's processing and approval of this entitlement, including but not limited to, an action to attack, challenge, set aside, void, or otherwise modify or annul the approval of the entitlement, the environmental review of the entitlement, or the approval of subsequent permit decisions, or to claim personal property damage, including from inverse condemnation or any other constitutional claim.

b. Reimburse the City for any and all costs incurred in defense of an action related to or arising out of, in whole or in part, the City's processing and approval of the entitlement, including but not limited to payment of all court costs and attorney's fees, costs of any judgments or awards against the City (including an award of attorney's fees), damages, and/or settlement costs.

c. Submit an initial deposit for the City's litigation costs to the City within 10 days' notice of the City tendering defense to the Applicant and requesting a deposit. The initial deposit shall be in an amount set by the City Attorney's Office, in its sole discretion, based on the nature and scope of action, but in no event shall the initial deposit be less than $50,000. The City's failure to notice or collect the deposit does not relieve the Applicant from responsibility to reimburse the City pursuant to the requirement in paragraph (b).

d. Submit supplemental deposits upon notice by the City. Supplemental deposits may be required in an increased amount from the initial deposit if found necessary by the City to protect the City's interests. The City's failure to notice or collect the deposit does not relieve the Applicant from responsibility to reimburse the City pursuant to the requirement in paragraph (b).

e. If the City determines it necessary to protect the City's interest, execute an indemnity and reimbursement agreement with the City under terms consistent with the requirements of this condition.

The City shall notify the applicant within a reasonable period of time of its receipt of any action and the City shall cooperate in the defense. If the City fails to notify the applicant of any claim, action, or proceeding in a reasonable time, or if the City fails to reasonably cooperate in the defense, the applicant shall not thereafter be responsible to defend, indemnify or hold harmless the City.

The City shall have the sole right to choose its counsel, including the City Attorney's office or outside counsel. At its sole discretion, the City may participate at its own expense in the defense of any action, but such participation shall not relieve the applicant of any obligation imposed by this condition. In the event the Applicant fails to comply with this condition, in whole or in part, the City may withdraw its defense of the action, void its approval of the entitlement, or take any other action. The City retains the right to make all decisions with respect to its representations in any legal proceeding, including its inherent right to abandon or settle litigation.

For purposes of this condition, the following definitions apply:

"City" shall be defined to include the City, its agents, officers, boards, commissions, committees, employees, and volunteers.

"Action" shall be defined to include suits, proceedings (including those held under alternative dispute resolution procedures), claims, or lawsuits. Actions include actions, as defined herein, alleging failure to comply with any federal, state or local law.

Nothing in the definitions included in this paragraph are intended to limit the rights of the City or the obligations of the Applicant otherwise created by this condition.

FINDINGS

Density Bonus / Affordable Housing Incentives Compliance Findings

1. **Pursuant to Section 12.22-A,25(g)(2)(i)(c) of the LAMC and Section 65915(e) of the California Government Code, the Commission shall approve a density bonus and requested incentive(s) unless the Commission finds that:**

   a. **The incentives do not result in identifiable and actual cost reductions to provide for affordable housing costs, as defined in California Health and Safety Code Section 50052.5 or Section 50053 for rents for the affordable units.**

   The record does not contain substantial evidence that would allow the City Planning Commission to make a finding that the requested incentives do not result in identifiable and actual cost reductions to provide for affordable housing costs per State Law. The California Health & Safety Code Sections 50052.5 and 50053 define formulas for calculating affordable housing costs for Very Low, Low, and Moderate Income households. Section 50052.5 addresses owner-occupied housing and Section 50053 addresses rental households. Affordable housing costs are a calculation of residential rent or ownership pricing not to exceed 25 percent gross income based on area median income thresholds dependent on affordability levels.

   Based on the set-aside of 15 percent of the base density for Very Low Income households, the applicant is entitled to three incentives under both Government Code Section 65915 and the LAMC. Accordingly, the three (3) requests for increased floor area, reduced open space, and increased height qualify as the proposed development incentives. The three requested incentives provide cost reductions that provide for affordable housing costs because the incentives by their nature increase the scale of the project, which facilitates the creation of more affordable housing units.

   Floor Area Ratio

   The subject property is zoned C2-1VL. The property's commercial zoning and designation of Height District No. 1VL permit a maximum FAR or 1.5 to 1, equal to a maximum of 160,650 square feet of total building area. The applicant is requesting an on-menu incentive to allow a maximum FAR of 3.0 to 1 to accommodate the project which proposes a total of 321,300 square feet of floor area. The project includes a composition of 13 studio units, 230 one-bedroom units, 79 two-bedroom units, and 5 three-bedroom units.

   The requested increase in FAR will allow for the construction of affordable units in addition to larger-sized dwelling units. Granting of the incentive would result in a building design and construction efficiencies that provide for affordable housing costs. Furthermore, the incentive would enable the developer to expand the building envelope so that additional affordable units can be constructed and the overall space dedicated to residential uses is increased. The increased building envelope also ensures that all dwelling units are of a habitable size while providing a variety of unit types. This incentive supports the applicant's decision to set aside 41 dwelling units for Very Low Income households for 55 years.

   Open Space

   Based upon the project's proposed 327 dwelling units, within which 13 would be studio units, 230 one-bedroom units, 79 two-bedroom units, and 5 three-bedroom units, a total

of 35,050 square feet of open space would be required per LAMC Section 12.21 G.2. In order to develop the housing development including the 41 units set aside for Very Low Income households, the Applicant requests an off-menu incentive to permit a 30 percent reduction in the required amount of open space to instead be required 24,540 square feet of open space. The project proposes a total of 24,540 square feet of open space to comply with this incentive and development standard.

As proposed, the reduced open space requirement will allow for the construction of affordable residential units. This incentive will allow the developer to utilize more floor area within the building envelope for the provision of affordable units, and the overall space dedicated to residential units is increased.

Height

The subject property's C2-1VL Zone permits a maximum height of 45 feet and three (3) stories for a mixed-use development. The proposed development consists of two seven-story buildings which rise to 91 feet and 86 feet as measured from grade (85 feet and 81.5 feet as measured from Plumb Height, respectively). As such, the applicant is requesting an off-menu incentive to allow for this increase in building height and stories in lieu of the otherwise permitted 45 feet and three (3) stories pursuant to LAMC Section 12.21.1.

As proposed, the incentive will allow a total of 34 feet of additional building height for Building A and 29 feet for Building B and will accommodate the construction of affordable units in addition to larger-sized dwelling units. Granting of the off-menu incentive would result in a building design and construction efficiencies that provide for affordable housing costs. The incentive would enable the developer to expand the building envelope so that additional affordable units can be constructed and the overall space dedicated to residential uses is increased. The increased building envelope also ensures that all dwelling units are of a habitable size while providing a variety of unit types. These incentives support the applicant's decision to set aside 41 dwelling units for Very Low Income households for 55 years.

b. **The incentives would have a specific adverse impact upon public health and safety or the physical environment or on any real property that is listed in the California Register of Historical Resources and for which there is no feasible method to satisfactorily mitigate or avoid the specific adverse impact without rendering the development unaffordable to low-income and moderate-income households. Inconsistency with the zoning ordinance or the general plan land use designation shall not constitute a specific, adverse impact upon the public health or safety (Government Code Section 65915(d)(B) and 65589.5(d)).**

There is no substantial evidence in the record that any of the three proposed incentives will have a specific adverse impact upon public health and safety or the physical environment, or any real property that is listed in the California Register of Historical Resources. A "specific adverse impact" is defined as "a significant, quantifiable, direct and unavoidable impact, based on objective, identified written public health or safety standards, policies, or conditions as they existed on the date the application was deemed complete" (LAMC Section 12.22 A.25(b)).

The project does not involve a contributing structure in a designated Historic Preservation Overlay Zone or on the City of Los Angeles list of Historical-Cultural Monuments. The property is located within a Methane Zone and Special Grading Area which have been addressed in the project's Mitigation Monitoring Program to ensure no significant impacts

under CEQA would result. The project is not located on a substandard street in a Hillside area and is not located in a Flood Zone, Very High Fire Hazard Severity Zone, or any other special hazard area. Therefore, there is no substantial evidence that the proposed project, and thus the requested incentives, would have a specific adverse impact on the physical environment, on public health and safety or the physical environment, or on any Historical Resource. Based on the above, there is no basis to deny the requested incentives.

c. **The incentives are contrary to state or federal law.**

There is no substantial evidence in the record indicating that the requested Incentives are contrary to any State or federal laws.

Site Plan Review Findings

2. **The project is in substantial conformance with the purposes, intent and provisions of the General Plan, applicable community plan, and any applicable specific plan.**

The Los Angeles General Plan sets forth goals, objectives, and policies that guide both Citywide and community specific land use policies. The General Plan is comprised of a range of State-mandated elements, including, but not limited to, Land Use, Housing, Transportation/Mobility, Noise, and Safety. Each of these Elements establishes policies that provide for the regulatory environment in managing the City and for addressing environmental concerns and problems. The majority of the policies derived from these Elements are in the form of Code Requirements of the Los Angeles Municipal Code. The City's Land Use Element is divided into 35 community plans that establish parameters for land use decisions within those sub-areas of the City. While the General Plan sets out a long-range vision and guide to future development, the 35 Community Plans provide the specific, neighborhood-level detail, relevant policies, and implementation strategies necessary to achieve the General Plan objectives. The project site is located in the Silver Lake – Echo Park – Elysian Valley Community Plan area and is not subjected to any applicable specific plans.

Silver Lake – Echo Park – Elysian Valley Community Plan

The subject property is located within the Silver Lake – Echo Park – Elysian Valley Community Plan which was updated by the City Council on August 11, 2004.The Silver Lake – Echo Park – Elysian Valley Community Plan designates the subject property for General Commercial land uses with corresponding zones of RAS3, CR, C1.5, C2, C4, and P. The subject property is zoned C2-1VL and is thus consistent with its land use designation. The proposed project advances the following objectives of the Community Plan:

Goal 1 A safe, secure and high quality residential environment for all economic, age and ethnic segments of the Plan area.

Objective 1-1: Achieve and maintain a housing supply sufficient to meet the diverse economic and socioeconomic needs of current and projected population to the year 2010.

Policy 1-1.1: Maintain an adequate supply and distribution of multiple family, low income and special needs housing opportunities in the Community Plan Area.

Policy 1-1.2: Improve the quality of existing single family and multiple family housing throughout the Plan Area.

Policy 1-1.4: Encourage new infill residential development that complements existing development and architectural style.

Policy 1-1.7: Promote the unique quality and functionality of the Community Plan Area's mixed single and multiple family residential neighborhoods by encouraging infill development that continues to offer a variety of housing opportunities that capitalize on the eclectic character and architectural styles of existing development.

Objective 1-2: Reduce vehicular trips and congestion by locating new housing in areas offering proximity to goods, services and facilities.

Policy 1-2.1: Locate higher residential densities near commercial centers and major bus routes where public service facilities, utilities and topography will accommodate this development.

Policy 1-2.2: Encourage multiple family residential development in commercially zoned areas in designated Neighborhood Districts and Community Centers and along Mixed Use Boulevards and, where appropriate, provide floor area bonuses as an incentive to encourage mixed-use development in those areas.

Objective 1-4: Promote and ensure the provision of adequate housing for all persons, including special needs populations, regardless of income, age or ethnic background.

Policy 1-4.1: Promote greater individual choice in type, quality, price, and location of housing.

Policy 1-4.2: Promote mixed-use housing projects in pedestrian-oriented areas and designated Mixed Use Boulevards, Neighborhood Districts and Community Centers to increase supply and maintain affordability.

Policy 1-4.3: Ensure that new housing developments minimize displacement of low-income residents.

The proposed project furthers the development of the Silver Lake – Echo Park – Elysian Valley community by providing a safe, secure, and high-quality mixed-use residential environment for all economic, age, and ethnic segments of the Echo Park community and providing affordable housing by allowing for the development of a residential building with 327 dwelling units, including 41 units reserved for Very Low Income Households on lots zoned for commercial and residential uses. The project increases the housing stock and satisfies the needs and desires of all economic segments of the community by maximizing the opportunity for individual housing choice. Per the Community Plan, the portion of Sunset Boulevard fronting the subject property is designated as a Mixed Use Boulevard where dense residential housing is promoted. The subject property has been vacant, and the development of the project does not result in the displacement of any existing residential uses. Therefore, the project is consistent with the Silver Lake – Echo Park – Elysian Valley Community Plan.

The **Framework Element** for the General Plan (Framework Element) was adopted by the City of Los Angeles in December 1996 and re-adopted in August 2001. The Framework Element provides guidance regarding policy issues for the entire City of Los Angeles, including the project site. The Framework Element also sets forth a Citywide comprehensive long-range

growth strategy and defines Citywide polices regarding such issues as land use, housing, urban form, neighborhood design, open space, economic development, transportation, infrastructure, and public services. The Framework Element includes the following goals, objectives, and policies relevant to the instant request:

Goal 3A: A physically balanced distribution of land uses that contributes towards and facilitates the City's long-term fiscal and economic viability, revitalization of economically depressed areas, conservation of existing residential neighborhoods, equitable distribution of public resources, conservation of natural resources, provision of adequate infrastructure and public services, reduction of traffic congestion and improvement of air quality, enhancement of recreation and open space opportunities, assurance of environmental justice and a healthful living environment, and achievement of the vision for a more livable city.

Objective 3.1: Accommodate a diversity of uses that support the needs of the City's existing and future residents, businesses, and visitors.

Policy 3.1.4: Accommodate new development in accordance with land use and density provisions of the General Plan Framework Long-Range Land Use Diagram.

Objective 3.2: Provide for the spatial distribution of development that promotes an improved quality of life by facilitating a reduction of vehicular trips, vehicle miles traveled, and air pollution.

Policy 3.2.1: Provide a pattern of development consisting of distinct districts, centers, boulevards, and neighborhoods that are differentiated by their functional role, scale, and character. This shall be accomplished by considering factors such as the existing concentrations of use, community-oriented activity centers that currently or potentially service adjacent neighborhoods, and existing or potential public transit corridors and stations.

Policy 3.2.2: Establish, through the Framework Long-Range Land Use Diagram, community plans, and other implementing tools, patterns and types of development that improve the integration of housing with commercial uses and the integration of public services and various densities of residential development within neighborhoods at appropriate locations.

Objective 3.4: Encourage new multi-family residential, retail commercial, and office development in the City's neighborhood districts, community, regional, and downtown centers as well as along primary transit corridors/boulevards, while at the same time conserving existing neighborhoods and related districts.

Policy 3.4.1: Conserve existing stable residential neighborhoods and lower-intensity commercial districts and encourage the majority of new commercial and mixed-use (integrated commercial and residential) development to be located (a) in a network of neighborhood districts, community, regional, and downtown centers, (b) in proximity to rail and bus transit stations and corridors, and (c) along the City's major boulevards, referred to as districts, centers, and mixed-use boulevards, in accordance with the Framework Long-Range Land Use Diagram.

The proposed project will result in the development of a mixed-use residential building that will provide 327 new dwelling units, including 41 units reserved for Very Low Income Households, thereby contributing toward and facilitating the City's long-term economic viability and vision for a more livable city. The property is currently vacant and situated along Sunset Boulevard, a major mixed-use thoroughfare that is within proximity to various commercial areas, services, transit options, and recreational amenities. The development of the site will enable the City to conserve nearby existing stable residential neighborhoods and lower-intensity commercial districts by allowing controlled growth away from such neighborhoods and districts on commercially zoned lots designated for such uses. Therefore, the proposed 327-unit residential building is consistent with the Distribution of Land Use goals, objectives, and policies of the General Plan Framework Element.

The **Housing Element** is the City's blueprint for meeting housing and growth challenges. It identifies the City's housing conditions and needs, establishes goals, objectives, and policies to guide future housing decisions, and provides an array of programs to meet Citywide Housing Priorities, including addressing the housing shortage, advancing racial equity and access to opportunity, preventing displacement, and promoting sustainability and resilience. The Housing Element includes the following objectives and policies relevant to the instant request:

Goal 1: A City where housing production results in an ample supply of housing to create more equitable and affordable options that meet existing and projected needs.

Objective 1.1*:* Forecast and plan for existing and projected housing needs over time with the intention of furthering Citywide Housing Priorities.

Policy 1.1.2: Plan for appropriate land use designations and density to accommodate an ample supply of housing units by type, cost, and size within the City to meet housing needs, according to Citywide Housing Priorities and the City's General Plan.

Objective 1.2*:* Facilitate the production of housing, especially projects that include Affordable Housing and/or meet Citywide Housing Priorities.

Policy 1.2.1: Expand rental and for-sale housing for people of all income levels. Prioritize housing developments that result in a net gain of Affordable Housing and serve those with the greatest needs.

Policy 1.2.2: Facilitate the construction of a range of different housing types that addresses the particular needs of the city's diverse households.

Objective 1.3*:* Promote a more equitable distribution of affordable housing opportunities throughout the city, with a focus on increasing Affordable Housing in Higher Opportunity Areas and in ways that further Citywide Housing Priorities.

Policy 1.3.1: Prioritize housing capacity, resources, policies and incentives to include Affordable Housing in residential development, particularly near transit, jobs, and in Higher Opportunity Areas.

Policy 1.3.2: Prioritize the development of new Affordable Housing in all communities, particularly those that currently have fewer Affordable units.

Goal 3*:* A City in which housing creates healthy, livable, sustainable, and resilient communities that improve the lives of all Angelenos.

Policy 3.1.7: Promote complete neighborhoods by planning for housing that includes open space, and other amenities.

Objective 3.2: Promote environmentally sustainable buildings and land use patterns that support a mix of uses, housing for various income levels and provide access to jobs, amenities, services and transportation options.

Policy 3.2.2: Promote new multi-family housing, particularly Affordable and mixed-income housing, in areas near transit, jobs and Higher Opportunity Areas, in order to facilitate a better jobs-housing balance, help shorten commutes, and reduce greenhouse gas emissions.

The proposed project implements the Housing Element by increasing the housing supply consistent with the General Commercial land use designation. The property is currently unimproved and vacant. The approval of the request would permit 327 new dwelling units with 41 units set aside for Very Low Income Households. The project would achieve the production of new housing opportunities, meeting the needs of the city, while facilitating the construction of a range of different housing types (studios, one-, two-, and three-bedroom units) that address the needs of the city's diverse households. Therefore, the project is consistent with the Housing Element goals, objectives and policies of the General Plan.

As such, the project is in substantial conformance with the purposes, intent and provisions of the General Plan and does not conflict with any applicable regulations or standards.

3. **The project consists of an arrangement of buildings and structures (including height, bulk and setbacks), off-street parking facilities, loading areas, lighting, landscaping, trash collection, and other such pertinent improvements, that is or will be compatible with existing and future development on adjacent properties and neighboring properties.**

The project site consists of 16 lots encompassing a total surface area of approximately 107,170 square feet, or 2.46 acres. The subject property is irregularly shaped and features extensive sloping and grade change along both the north-south and east-west axes of the site. The project site has approximately 820 feet of street frontage along the easterly side of Sunset Boulevard and approximately 230 feet of street frontage along the westerly side of Everett Street.

The project site is located in the Silver Lake – Echo Park – Elysian Valley Community Plan area and is zoned C2-1VL which corresponds with the site's General Commercial land use designation. The site is currently vacant, consisting of overgrown vegetation and exotic trees, none of which are protected species.

Properties to the north are zoned [Q]R3-1VL and are developed with one- and two-story multi-family housing and commercial retail uses along Sunset Boulevard. Approximately 1,000 feet to the north is Elysian Park Avenue which functions as the Sunset Gate for Dodgers Stadium. Properties to the south are zoned C2-1VL and C2-2D and are developed with commercial retail uses, one- and two-story multi-family residential uses, auto repair, and a church with buildings that range from two- and eight-stories. To the west, properties are zoned C2-1VL and are developed with various commercial uses including a tattoo parlor, beauty salon, botanical shop, clothing stores, bars, and multi-family housing which range from two- to three-stories. Properties to the east along Everett Street are zoned [Q]R3-1VL and consist of one- to three-story multi-family residential uses.

The proposed project involves the construction of a mixed-use residential and commercial development with 327 residential units that include 41 Very Low Income affordable units and approximately 9,462 square feet of ground-floor commercial space for a total floor area of 321,300 square feet, resulting in a Floor Area Ratio (FAR) of 3:1. The Project would consist of 41,565 square feet of public and private open space areas and two buildings as follows: 1) Building A would contain 279 residential units, 231,234 square feet of floor area, and would rise to a maximum height of 91 feet and seven (7) stories; 2) Building B would contain 48 residential units, 64,417 square feet of floor area and would rise to a maximum height of 87 feet.

Height, Bulk, and Setbacks

In exchange for the provision of 41 dwelling units set aside for Very Low Income household occupancy, the project is granted on- and off-menu incentives pertaining to increased FAR, reduced open space, and increased height. The subject property encompasses a combined site area of 107,100 square feet. With the proposed on-menu incentive for increased FAR up to 3:1, the project would be permitted to build 321,300 square feet of floor area. The proposed project would span a total floor area of 321,300 square feet which complies with the 3:1 FAR limit. Regarding height, the project is requesting an off-menu incentive to allow the following: Building A) a 34-foot height increase for a building height of 91 feet measured from grade and 85 feet as measured from Plumb Height and seven (7) stories in lieu of the three (3) stories otherwise allowed; and Building B) a 29-foot height increase for a building height of 86 feet measured from grade and 81.5 feet as measured from Plumb Height and seven (7) stories in lieu of the three (3) stories otherwise allowed.

The scale, massing, and location of the project respond to the unique shape and topography of the site as well as the surrounding urban context. The project occupies a site with a very large slope bounded by Sunset Boulevard to the west, adjacent properties to the north, Everett Street to the east, and Sunset Boulevard to the south. As stated above, Building A proposes a height from grade of 91 feet while Building B proposes a height from grade of 87 feet. The proposed building's mixture of height, material, and color will create articulation and visual interest that is appropriately scaled to the surrounding commercial and residential neighborhoods and follows the natural slope of the site. A large portion of the site towards the rear will remain undeveloped to preserve the natural sloping terrain. As such, a majority of the proposed development fronts Sunset Boulevard, a major thoroughfare, where appropriate ground floor activation would be provided. In addition, there are building breaks to provide horizontal façade breaks and stepped back upper stories to reduce the overall massing of the project. The architecture of the proposed project is high-quality and thoughtfully scaled to be compatible with the surrounding context. Properties to the south are developed with two to eight story buildings.

Regarding setbacks, the proposed project is compliant with the required setbacks per the underlying C2-1VL Zone. The project is entitled to zero yards along both street frontages at Sunset Boulevard and Everett Street pursuant to the project's classification as a Mixed-Use project per LAMC Section 13.09. However, the proposed buildings are set back five (5) feet from Sunset Boulevard and five (5) feet from Everett Street at the ground level, which increases to 13-feet-5-inches for the residential floors above. The northern side yard would observe a nine-foot setback and the rear yard, abutting adjacent properties along Everett Street, would observe a 9-foot setback at the commercial floors which steps back to a 19-foot setback for the residential floors above. Thus, the yards comply with the setback requirements of the zone.

Off-Street Parking Facilities and Loading Areas

The project would provide 263 on-site parking spaces at one subterranean, one partially subterranean, and one at-ground/ and above-grade levels to be shared amongst all of the uses on the project site. Pursuant to Assembly Bill (AB) 2097, the project is not required to provide parking, but has elected to do so considering the nature of the market in this area and the lack of street parking for both residents and visitors. Subterranean parking would be accessible from entrances along Sunset Boulevard which will be constructed to the satisfaction of the Los Angeles Department of Transportation (LADOT) and the Los Angeles Department of Building and Safety (LADBS). Required bicycle parking would be provided pursuant to the City's Bicycle Ordinance, with 162 long-term bicycle spaces and 21 short-term spaces provided throughout the site. Bicycle parking is located on the first and second levels within two rooms accessible from the parking spaces. The proposed parking facilities and loading areas would all be either wrapped with active uses or located underground, away from view of the public right-of-way.

Lighting

Lighting is required to be provided per LAMC requirements. The project proposes security lighting to illuminate building, entrances, walkways and parking areas. As conditioned, the project is required to provide outdoor lighting with shielding, so that the light source cannot be seen from and will not adversely affect adjacent residential properties. Therefore, the lighting will be compatible with the existing and future developments in the neighborhood.

Landscaping

The proposed project would provide a total of 24,540 square feet of qualifying common open space, as defined by the Los Angeles Municipal Code, distributed among private decks, courtyards, roof decks, indoor amenities, and a plaza. The project also provides 17,025 square feet of additional public and private open space which do not meet the usable open space definition in the form of private decks, two public plazas, two retail patios, and a courtyard. The project proposes 84 new on-site trees which exceeds the 82 new trees otherwise required. Landscaping would be provided at the ground level in the pedestrian plaza areas as well as throughout the project's other levels and along the hillside. Additionally, street trees will be provided as required by the Bureau of Engineering. The landscape design has been developed in a manner which includes a variety of drought-tolerant and native species appropriate for the Southern California climate. Details are provided in Exhibit A demonstrating the project's landscape plan which will ensure that appropriate plant species and compliant soil depths are incorporated. The project has further been conditioned to utilize automatic irrigation systems to maintain landscaped areas and ensure that all open areas not used for buildings, driveways, parking areas, recreational facilities or walks are adequately landscaped.

Trash Collection

The project proposes to provide trash and recycling areas within the enclosed parking areas. The trash collection area will be located alongside the rear of the site to ensure that residential or commercial parking spaces do not block access for trash and recycling services. Separate trash and recycling facilities are provided for the residents and for the commercial uses. The project includes centralized trash chutes for residents on each floor of the building along the eastern wing. All trash facilities will be secured and not within view from the public right-of-way.

Sustainability

The project has been conditioned to comply with the Green Building Code and, as such, will

provide requisite area on the roof to be utilized for future solar panels. As shown in the attached plans (Exhibit A), the project will provide the required number of Electric Vehicle (EV) parking per the Building Code (30 percent would be EV capable, 25 percent EV ready, and 10 percent equipped with EV chargers). Of the project's proposed 244 residential parking spaces, 74 would be EV capable, 61 would be EV ready, and 25 would have EV chargers. Of the 160 EV parking spaces, seven (7) would be EV accessible. The project plans also include areas carved out on the roof for solar panels as required by the Green Code as well as areas for mechanical units. The electric vehicle charging spaces and solar panels will improve habitability for residents and neighboring properties by reducing the level of greenhouse gas emissions and fuel consumption from the project site by providing convenient facilities for low or zero emission vehicles.

4. **Any residential project provides recreational and service amenities to improve habitability for its residents and minimize impacts on neighboring properties.**

The project proposes 327 total dwelling units including 13 studios, 230 one-bedroom units, 79 two-bedroom units, and 5 three-bedroom units. The project proposes a total of 263 parking spaces which would be unbundled and shared among all the uses on the site. Pursuant to LAMC Section 12.21 G and the requested off-menu Density Bonus incentive, the Project would be required to provide 24,540 square feet of usable open space. The proposed project would provide a total of 24,540 square feet of qualifying common open space, as defined by the Los Angeles Municipal Code, distributed among private decks, courtyards, roof decks, indoor amenities, and a plaza. The project also provides 17,025 square feet of additional public and private open space which do not meet the usable open space definition in the form of private decks, two public plazas, two retail patios, and a courtyard. The project includes direct walk-up live/work units from the ground floor along Sunset Boulevard and extensive landscaping along each façade of the building. In addition to the ground-floor commercial retail amenity, the project proposes at least 5,913 square feet of indoor amenities, an outdoor pool and spa area, and storage areas for residents. Each of the proposed setbacks, ranging from five (5) to 19 feet, are landscaped with shade-producing trees and extensive ground cover, along with the street trees which will be added as permitted by Urban Forestry. The open space areas will include programming and amenities as well as special paving to make them easily distinguishable. As proposed, the project would provide recreational and service amenities, including landscaped courtyards, patios, roof decks, indoor recreational areas, outdoor recreational areas, and ground-floor commercial amenities which would improve habitability for its residents and minimize impacts on neighboring properties.

Main Conditional Use Permit Findings

5. **The project will enhance the built environment in the surrounding neighborhood or will perform a function or provide a service that is essential or beneficial to the community, city or region.**

The applicant seeks main conditional use authorization for on- and off-site sale of alcoholic beverages in conjunction with a total of 9,462 square feet of commercial area including up to five (5) establishments as well as 300 indoor seats and 75 outdoor seats (375 total patron seats). The project site is located on Sunset Boulevard, a major commercial boulevard lined with various commercial uses including offices, restaurants, grocery stores, mixed use developments, personal services, and retail stores. The proposed restaurant uses with ancillary alcohol service would be a desirable public convenience as the uses are in a convenient infill location accessible to nearby employees, residents, and visitors, including visitors of the Dodgers Stadium. The project would add to the number of available dining venues in the neighborhood. The offering of food and alcoholic beverages in conjunction with

the proposed uses would be a benefit as an amenity to current and future residents of the project site and nearby residential projects. The project would also serve as an attraction and amenity to guests and visitors of the neighborhood. The project site is currently unimproved and vacant with chain link fencing and overgrown vegetation. The project would help activate the proposed ground floor commercial uses of the proposed buildings and help provide a more walkable and safer pedestrian environment through “eyes on the street.”

A variety of commercial uses is an intrinsic part of the service amenities that are necessary for the success of a vibrant neighborhood. The ability for the project site to offer a full line of alcoholic beverages would allow the restaurant tenants to remain competitive with other similar uses servicing the same area, as alcohol service is common and expected by patrons as part of these commercial uses. Furthermore, patrons are drawn to the surrounding area due to shopping, entertainment, and dining experiences available to them. Offering a full line of alcoholic beverages at these uses on the project site would enhance the dining and entertainment experience for visitors, employees, and residents in the vicinity. The provision of on-site alcohol consumption would assist in enhancing the built environment while also providing a functional and beneficial service to patrons in the area.

Thus, for the reasons discussed above, the project will enhance the built environment and provide a service that is essential and beneficial to the community, city, or region.

6. **The project’s location, size, height, operations and other significant features will be compatible with and will not adversely affect or further degrade adjacent properties, the surrounding neighborhood or the public health, welfare, and safety.**

The project site consists of 16 lots encompassing a total surface area of approximately 107,170 square feet, or 2.46 acres. The subject property is irregularly shaped and features extensive sloping and grade change along both the north-south and east-west axes of the site. The project site has approximately 820 feet of street frontage along the easterly side of Sunset Boulevard and approximately 230 feet of street frontage along the westerly side of Everett Street. The site is currently vacant, consisting of overgrown vegetation and exotic trees, none of which are protected species.

The project site is located in a substantially urbanized and developed area surrounded primarily by commercial and multi-family residential uses. Properties to the north are zoned [Q]R3-1VL and are developed with one- and two-story multi-family housing and commercial retail uses along Sunset Boulevard. Approximately 1,000 feet to the north is Elysian Park Avenue which functions as the Sunset Gate for Dodgers Stadium. Properties to the south are zoned C2-1VL and C2-2D and are developed with commercial retail uses, one- and two-story multi-family residential uses, auto repair, and a church with buildings that range from two- and eight-stories. To the west, properties are zoned C2-1VL and are developed with various commercial uses including a tattoo parlor, beauty salon, botanical shop, clothing stores, bars, and multi-family housing which range from two- to three-stories. Properties to the east along Everett Street are zoned [Q]R3-1VL and consist of one- to three-story multi-family residential uses.

The applicant is requesting a Main Conditional Use Permit to authorize the sale and dispensing of alcoholic beverages for on- and off-site consumption in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats (375 total patron seats).

In approving the request, the grant includes conditions that address the potential for operations to have an impact on surrounding areas. The conditions include required

surveillance cameras, electronic age verification devices, employee training, and complaint logs, as well as compliance with the citywide Noise Ordinance. The service of alcoholic beverages will occur within a controlled environment which will be monitored by the operators as well as the residences of the proposed mixed-use building. There is no live entertainment or dancing being proposed. The project is also substantially surrounded by commercial uses along Sunset Boulevard, a major commercial thoroughfare, and is thus appropriate given its location and operations.

All future operators seeking to utilize this grant will be required to file a Main Plan Approval whereby the Zoning Administrator may impose additional conditions, modify or delete any conditions of the instant grant based in his or her review of each individual application. The plans approved herein are conceptual and tenants for each space have not yet been identified. The grant intentionally provides flexibility for the applicant, provided that the conditions noted herein are complied with. General conditions of approval have been included in this grant to address nuisances, mode and character, security, and responsible management. As each new tenant is identified, the Zoning Administrator will review the specific operational details of the individual tenant so that conditions can be added and tailored as needed to minimize potential incompatibilities with other existing uses and the community at large.

Therefore, for the reasons stated above, the project's location, size, height, operations, and other significant features will be compatible with and will not adversely affect or further degrade adjacent properties, the surrounding neighborhood, or the public health, welfare, and safety.

7. **The project substantially conforms with the purpose, intent and provisions of the General Plan, the applicable community plan, and any specific plan.**

The elements in the General Plan establish policies and provide the regulatory environment for managing the city and for addressing concerns and issues. The majority of the policies derived from the elements in the General Plan are in the form of Code Requirements, which collectively form the LAMC. With the exception of the entitlement described herein, the project does not propose to deviate from any of the requirements of the LAMC.

The subject property is located within the Silver Lake – Echo Park – Elysian Valley Community Plan which was updated by the City Council on August 11, 2004.The Silver Lake – Echo Park – Elysian Valley Community Plan designates the subject property for General Commercial land uses with corresponding zones of RAS3, CR, C1.5, C2, C4, and P. The subject property is zoned C2-1VL and is thus consistent with its land use designation.

The proposed retail and restaurant establishments with incidental alcohol service are consistent with this zone and existing land use designation. Additionally, the project is consistent with the following objectives and policies of the Community Plan:

Goal 2 An economically vital commercial sector and strong viable commercial areas that offer a diversity of goods and services to meet the needs of the community in the Plan area. Commercial areas should satisfy market demand, maximize convenience and accessibility while preserving and enhancing the unique historic and cultural identities of the district.

Policy 2-1.1: New commercial uses shall be located in established commercial areas, emphasizing more intense and efficient use of existing commercial land, ultimately contributing to and enhancing the existing urban form and village atmosphere.

The proposed project will be located in a commercially zoned site that is also designated by the Community Plan for General Commercial land uses. The proposed use is permitted by the underlying zone and policies governing the site. The proposed project complies with the commercial policies of the Community Plan by enabling the proposed mixed-use building with its extensive ground floor commercial components to become more viable and active. As Sunset Boulevard is a well-known thoroughfare distinguished by a variety of commercial and entertainment uses, the proposed project would support this existing identity of the surrounding neighborhood and strengthen the proposed commercial uses. The proposed commercial uses are located strictly on the ground floor fronting Sunset Boulevard to help create a more walkable and pedestrian friendly frontage for the overall project.

The nature of mixed-use development encourages the co-location of residences with commercial uses and amenities, thus reducing vehicular trips and congestion. Additionally, the proximity of the project to transit options and high quality, pedestrian-friendly design encourages accessibility from more segments of the population. The proposed mixed-use project is appropriate given the site's commercially zoned designation and frontage along Sunset Boulevard, a major commercial corridor that serves both the immediate and surrounding neighborhood. The commercial component of the proposed project will be entirely located on the ground floor and designed with high quality materials and architectural features. Both the physical appearance and proposed uses of the project are compatible with the existing neighborhood and land use policies governing the area. Therefore, the project substantially conforms with the purpose, intent, and provisions of the General Plan and Community Plan.

8. **The proposed use will not adversely affect the welfare of the pertinent community.**

The applicant is requesting a Main Conditional Use Permit to authorize the sale and dispensing of alcoholic beverages for on- and off-site consumption in conjunction with up to five (5) establishments with up to 300 indoor seats and 75 outdoor seats (375 total patron seats) within two proposed mixed-use buildings. The project will be located at the ground floor only, oriented towards Sunset Boulevard, totaling a floor area not to exceed 9,462 square feet. Commercial parking will be provided via subterranean, partially subterranean, and at-grade parking levels which are accessed by three proposed driveways. The parking areas will be gated and secured. The establishments serving alcoholic beverages would be part of a controlled and monitored environment and would be an added amenity to the community. In addition to the Main Conditional Use Permit approval, each commercial tenant seeking to utilize this grant would be required to apply for a Main Plan Approval which includes greater specificity regarding layout, number of seats, square footage, and specific operational conditions. The Main Plan Approval process ensures that each commercial tenant conforms to the overall vision for the project in a manner that does not create adverse impacts and protects the safety and welfare of the surrounding community.

The project site is located in a substantially urbanized and developed area surrounded primarily by commercial and multi-family residential uses. Properties to the north are zoned [Q]R3-1VL and are developed with one- and two-story multi-family housing and commercial retail uses along Sunset Boulevard. Approximately 1,000 feet to the north is Elysian Park Avenue which functions as the Sunset Gate for Dodgers Stadium. Properties to the south are zoned C2-1VL and C2-2D and are developed with commercial retail uses, one- and two-story multi-family residential uses, auto repair, and a church with buildings that range from two- and eight-stories. To the west, properties are zoned C2-1VL and are developed with various commercial uses including a tattoo parlor, beauty salon, botanical shop, clothing stores, bars, and multi-family housing which range from two- to three-stories. Properties to the east along

Everett Street are zoned [Q]R3-1VL and consist of one- to three-story multi-family residential uses.

Additionally, numerous conditions of approval have been imposed to address potential nuisances. Negative impacts commonly associated with the sale of alcoholic beverages, such as criminal activity, public drunkenness, and loitering, are mitigated by the imposition of such conditions requiring deterrents against loitering and responsible management. Employees will undergo training on the sale of alcohol including training provided by the Los Angeles Police Department Standardized Training for Alcohol Retailers (STAR) Program, Department of Alcoholic Beverage Control Licensee Education on Alcohol and Drugs (LEAD) Program, or the Responsible Beverage Service (RBS) Training Program. Other conditions related to excessive noise, litter and noise prevention would safeguard the residential community. These conditions represent limitations on the type of activity that is allowed to be conducted on the site as well as explicit advisories about the responsibilities of the applicant. Further, conditions have been imposed to delineate steps to be taken if the operation of the restaurant is found to be noncompliant with these conditions. Conditions are intended to integrate the use into the community as well as protect community members from potential adverse impacts associated with alcohol sales. Conditions imposed will require responsible operations and will maintain the order and ensure cleanliness of the project and its surroundings.

As such, the proposed project will not adversely affect the welfare of the pertinent community.

9. **The granting of the application will not result in an undue concentration of premises for the sale or dispensing for consideration of alcoholic beverages, including beer and wine, in the area of the City involved, giving consideration to applicable State laws and to the California Department of Alcoholic Beverage Control's guidelines for undue concentration; and also giving consideration to the number and proximity of these establishments within a one thousand foot radius of the site, the crime rate in the area (especially those crimes involving public drunkenness, the illegal sale or use of narcotics, drugs or alcohol, disturbing the peace and disorderly conduct), and whether revocation or nuisance proceedings have been initiated for any use in the area.**

   According to the California Department of Alcoholic Beverage Control (ABC) licensing criteria, two (2) on-site and one (1) off-site consumption licenses are allocated to the subject census tract (Tract 1977.00). Currently, there are 10 on-site licenses and two (2) off-site licenses in this census tract.

   According to statistics provided by the Los Angeles Police Department's Central Division Vice Unit, within Crime Reporting District No. 101, a total of 147 crimes (119 Part I Crimes and 28 Part II Crimes) were reported in 2023, compared to the Citywide Average of 162 crimes and the High Crime Reporting District Average of 194 crimes for the same period. In 2023, there were (1) Narcotics, (0) Liquor Law, (0) Public Drunkenness, (0) Disturbing the Peace, (2) Disorderly Conduct, and (8) Driving While Influence (DWI) related arrests, and (2) Other Offences. These numbers do not reflect the total number of arrests in the subject reporting district over the accountable year. Arrests for this calendar year may reflect crimes reported in previous years.

   Concentration can be undue when the addition of a license will negatively impact a neighborhood. However, concentration is not undue when the approval of a license provides a public service and benefits the community. In this case, the granting of the application will not result in undue concentration as the project will enable the provision of an additional unique service and destination to complement the neighborhood. Although the number of existing licenses exceeds the number allocated to the subject census tract, a higher number of alcohol-serving establishments is to be expected in an area where a majority of the

community's commercial services are concentrated (along Sunset Boulevard). In active commercial areas where there is a demand for licenses beyond the allocated number, the ABC has recognized that high-activity retail and commercial centers are supported by significant employee population, in addition to the increasing resident population base in the area. The ABC has discretion to approve an application if there is evidence that normal operations will not be contrary to public welfare and will not interfere with the quiet enjoyment of property by residents. The project will provide a valuable amenity and a desirable service for the immediate and surrounding neighborhood. Furthermore, the above statistics indicate that the crime rate in the reporting district where the subject site is located is lower than the Citywide Average and High Crime Reporting District Average. No evidence has been submitted to the record linking the subject site or use to the crime rates in the area. No comments from the community at-large were received concerning the concentration of alcohol-serving establishments in the area.

Conditions of approval have been imposed to minimize alcohol-related impacts on the surrounding community and further conditions will be imposed by the Zoning Administrator through the Main Plan Approval process that are specifically tailored to the future commercial tenants. Additional conditions may be recommended to the Department of Alcoholic Beverage Control for consideration when they issue licenses for future operators at this location. Compliance with these conditions will help to safeguard the welfare of the community. Allowing the sale of alcoholic beverages for on- and off-site consumption at the subject location in conjunction with up to five (5) restaurant establishments will benefit the public welfare and convenience because successful restaurant businesses support the economic vitality of the area.

Therefore, as conditioned, the project will not result in an undue concentration of premises for the sale or dispensing for consideration of alcoholic beverages, including beer and wine, in the area of the City involved.

10. **The proposed use will not detrimentally affect nearby residentially zoned communities in the area of the City involved, after giving consideration to the distance of the proposed use from residential buildings, churches, schools, hospitals, public playgrounds and other similar uses, and other establishments dispensing, for sale or other consideration, alcoholic beverages, including beer and wine.**

The project site is zoned for commercial uses and will be utilized as such through the proposed mixed-use building. The following sensitive uses are located within a 600-foot radius of the site:

Multi-family residential uses
Single-family residential uses
Everett Park

Consideration has been given to the distance of the subject establishment from the above-referenced sensitive uses. The project site is located in a substantially urbanized and densely developed neighborhood in the Echo Park and Elysian Park neighborhood along a major commercial boulevard (Sunset Boulevard). The Dodgers Stadium is within proximity of the site as is the Downtown Los Angeles area. The grant has been well-conditioned, which will protect the health, safety, and welfare of the surrounding neighbors and residents. The potential effects of excessive noise or disruptive behavior have been considered and addressed by imposing conditions related to noise and loitering. Any further mitigations or concerns will be considered during the Main Plan Approval process which is required for future tenants to utilize this grant. The project is also consistent with the zoning and in keeping with the existing uses adjacent to the development. Therefore, as conditioned, the project will not

detrimentally affect nearby residentially zoned communities or any other sensitive uses in the area.

Environmental Findings

1. **SCEA.** The City of Los Angeles finds that the proposed project complies with the requirements of CEQA for using a SCEA as authorized pursuant to Public Resources Code Section 21155.2(b). The City of Los Angeles has determined that:

   The Project is a Transit Priority Project (TPP) pursuant to PRC Section 21155:

   a. The Project is consistent with the general use designation, density, building intensity, and applicable policies specified in the project area in the current SCAG RTP/SCS.

   b. The Project contains at least 50 percent residential use, based on total building square footage, and if the project contains between 26 percent and 50 percent non-residential uses, a floor area ratio of not less than 0.75;

   c. The Project provides a minimum net density of at least 20 dwelling units per acre;

   d. The Project is within one-half mile of a major transit stop or high-quality transit corridor included in a regional transportation plan, consistent with PRC Section 21155(b). A major transit stop means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. A high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

   The Transit Priority Project has incorporated all feasible mitigation measures, performance standards, or criteria set forth in the following prior applicable EIRs: SCAG's 2020-2045 RTP/SCS EIR.

   An initial study has been prepared and circulated in compliance with PRC Section 21155.2(b). A public hearing on the SCEA, and all comments received on the SCEA, will be considered by the City Planning Commission prior to SCEA adoption and approval of the Project.

   All potentially significant or significant effects required to be identified in the initial study have been identified and analyzed.

   With respect to each significant effect on the environment required to be identified in the initial study, either of the following apply:

   i. Changes or alterations have been required in or incorporated into the project that avoid or mitigate the significant effects to a level of insignificance.

   ii. Those changes or alterations are within the responsibility and jurisdiction of another public agency and have been, or can and should be, adopted by that other agency.

11. **Flood Insurance.** The National Flood Insurance Program rate maps, which are a part of the Flood Hazard Management Specific Plan adopted by the City Council by Ordinance No. 172,081, have been reviewed and it has been determined that this project is located in Zone X, areas of minimal flood hazard.

PUBLIC HEARING AND COMMUNICATIONS

A public hearing for Case No. CPC-2023-5528-DB-SPR-MCUP-HCA was held virtually by the Hearing Officer on Tuesday, April 16, 2024, at 1:00 p.m. The purpose of the hearing was to receive public testimony on behalf of the City Planning Commission as the decisionmaker of the case.

There were approximately nine (9) people in attendance, including four (4) members from the applicant's team and a representative from Council District 1. There were nine (9) additional written correspondences received outside of the public hearing which are included as Exhibit D. The Hearing Officer hearing is summarized below.

- The project Representative, Dana Sayles, made a presentation providing an overview of the project site and requested entitlements. They stated that the project site is a prime location containing 16 lots with good transit connections which would enable the project to be eligible for Tier 2 TOC. The site features approximately 100 feet of elevation change and 30 feet of grade change along Sunset. Per the Building Code, the base height limit would be 57 feet and the Plumb Height limit 45 feet. The site is currently vacant and unimproved and has been this way for a long time.

- The proposed project would include robust open space, 4 live/work units for Echo Park artisans, and over 1000 feet of frontage along Sunset. The project is qualified for AB 2097 so no parking is required, but 263 parking spaces will be provided. The project is providing excess affordable units based on the density granted. The project could build up to 360 units under Density Bonus, but the building footprint is not maximized to preserve the hillside terrain. The SCEA has been published with public comments received only at the last minute. The entire Sunset frontage would be activated, and all parking wrapped.

- The proposed project features 3 primary entry points where the one near the signalized intersection is the main one. Forty percent of the parking would be for Electric Vehicles along with 6 parking spaces reserved for ride-share and food delivery. E-cargo bicycles would be provided for guests. The pool area would be the primary active resident area. Over 3,000 square feet of restaurant and outdoor patio areas would be publicly accessible.

- The project design incorporates a variety of building materials with varied facades along all sides and upper story step-backs to make the building more human scale. The Everett Street façade has been improved for greater 360 design. The upper story open space terraces face Sunset Boulevard, away from Everett Street.

- The grade change limits the placement of certain uses; however, live/work units have been added to help ease the pedestrian experience along Sunset. The two proposed buildings would create a unified frontage along Sunset. The Everett Street Park view would be preserved, as demonstrated by renderings provided by the Applicant team. The development of the proposed project would result in an upgrade to the existing bus shelter, in coordination with LADOT, and an on-site transit kiosk.

- Ben Cassola, a representative with Council District 1, participated in the hearing but only to listen and request a copy of the Applicant's presentation.

- Clay Bush, a resident of Echo Park who was also involved with the original project, stated that the new project is 3 stories higher and denser than the previous project. They stated that Everett Street is a dead-end street with a narrow entrance way. The proposed project would affect all surrounding neighbors due to its height and density.

- Matt Morello, a resident of Everett Street, stated that there is another apartment building being built nearby which is taking away street parking. They have concerns over AB 2097 as to how reduced parking is allowed for this project. They oppose the project due to traffic concerns.

- Olivia Robinson, a resident of Elysian Park who lives on the 7th floor, stated concern about the height of the new building. They stated that they want a rendering of the proposed project from the Elysian (a residential building) on the 7th floor. They stated concern over the 3 proposed entry ways because it is difficult to make a left turn onto Everett from Sunset when traveling southbound.

- Evan Whale, a long-term resident of Everett, stated that a traffic light signalization would be desired on Everett for safety concerns. They stated that short distances between signalized lights do exist in other areas like Silverlake. Parking overflow would have to occur on Everett Street so speed bumps and coordination for other traffic-related improvements are desired.

In addition to the public comments provided, Staff asked questions regarding the existing bus stop, earthquake and methane hazards, traffic queues on Dodgers game days, and employee parking. A summary of the responses provided by Dana Sayles is as follows:

- Dana Sayles explained that the current project is a re-entitlement of a previous project approved in 2018 which started in 2014. Demolition occurred and then Covid-19 hit making the former project no longer feasible and financeable. The Applicant is committed to maintaining the voluntary conditions from the last project. The new project is higher and taller, but 7 stories in height is standard for commercial areas. The other apartment building is irrelevant to this project and is not within the Applicant's purview. Among the 3 proposed driveways, the northern 2 are right-turn only and the other is along the signalized intersection which addresses some safety issues.

- Regarding concerns over the project's proposed parking ratio, the Aragon operator is familiar with residential projects and the project included as many parking spaces as would physically fit. The parking ratio is about 0.7 spaces per unit which is still more than TOC would require. If there is more parking demand, Aragon will engage in on-site management to make the traffic/parking more efficient.

- Regarding the existing bus stop, pedestrian access will be maintained in some form. The traffic management and construction staging plan will become more detailed throughout the project's development and will look at all sidewalks and accessibility and work with Metro for a possible temporary relocation.

- The Methane Zone and geotechnical study are discussed in the SCEA. Compliance with the City's Methane Ordinance would result in less than significant hazards. The fault rupture risk does not pose a significant risk.

- Since the project started 10 years ago, the Dodgers traffic has always been front and center. Because there are so many game days, the traffic is considered to be a continuous flow effect. The lane in front of the site is gridlocked, bus only, and coned off for Dodgers game days. Traffic impacts are analyzed under VMT, but also non-CEQA analyses were provided to LADOT to consider traffic congestion and circulation.

- The existing traffic signal on Marion is a 3-way but will be upgraded to a 4-way. LADOT wants to keep traffic moving northbound. A new traffic signal on Everett has always been asked of, but there is no impact to justify it. LADOT does not want another traffic signal so close to Marion, especially because there are no proposed driveways on Everett.

- Changes to the design of the live/work units can occur in the design-development process which is handled separately from the entitlements. No dedications are required but the sidewalks are substandard and will be improved. Enhanced paving will be used along entrances and driveways so pedestrians can easily indicate them.

- Employee parking must be provided for the employees who drive, but it is still too preliminary at this time. Ride-share will be promoted and management/hirings would be local where possible (within 2 miles) as a commitment.

EXHIBIT A

Plans

Site Plan, Floor Plans, Elevations, Landscape Plan, and Renderings

SUNSET + EVERETT

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PROJECT NARRATIVE

SUNSET & EVERETT IS A MIXED-USE PROJECT, APPLYING FOR AB2345 DENSITY BONUS, PROVIDING 286 MARKET-RATE UNITS, 41 AFFORDABLE UNITS (15% VERY LOW-INCOME UNITS), AND APPROX. 9,462 SQFT OF COMMERCIAL SPACE. THE PROJECT ALSO INCLUDES 263 TOTAL PARKING SPACES, OVER 24,540 SF OF COMMON & PRIVATE OPEN SPACE, AND 4 COMMON RESIDENT AMENITY SPACES SUCH AS A CLUB ROOM, CLUB LOUNGE, FITNESS, COMMUNITY ROOM, & ROOF DECKS PER BUILDING. BUILDING 'A' IS A 7-STORY BUILDING WITH 4 LEVELS OF TYPE IIIA CONSTRUCTION OVER 3 LEVELS OF TYPE I PODIUM. WHILE BUILDING 'B' IS A 7-STORY BUILDING WITH 5 LEVELS OF TYPE IIIA CONSTRUCTION OVER 2 LEVELS OF TYPE I PODIUM.

PROJECT DESIGN TEAM

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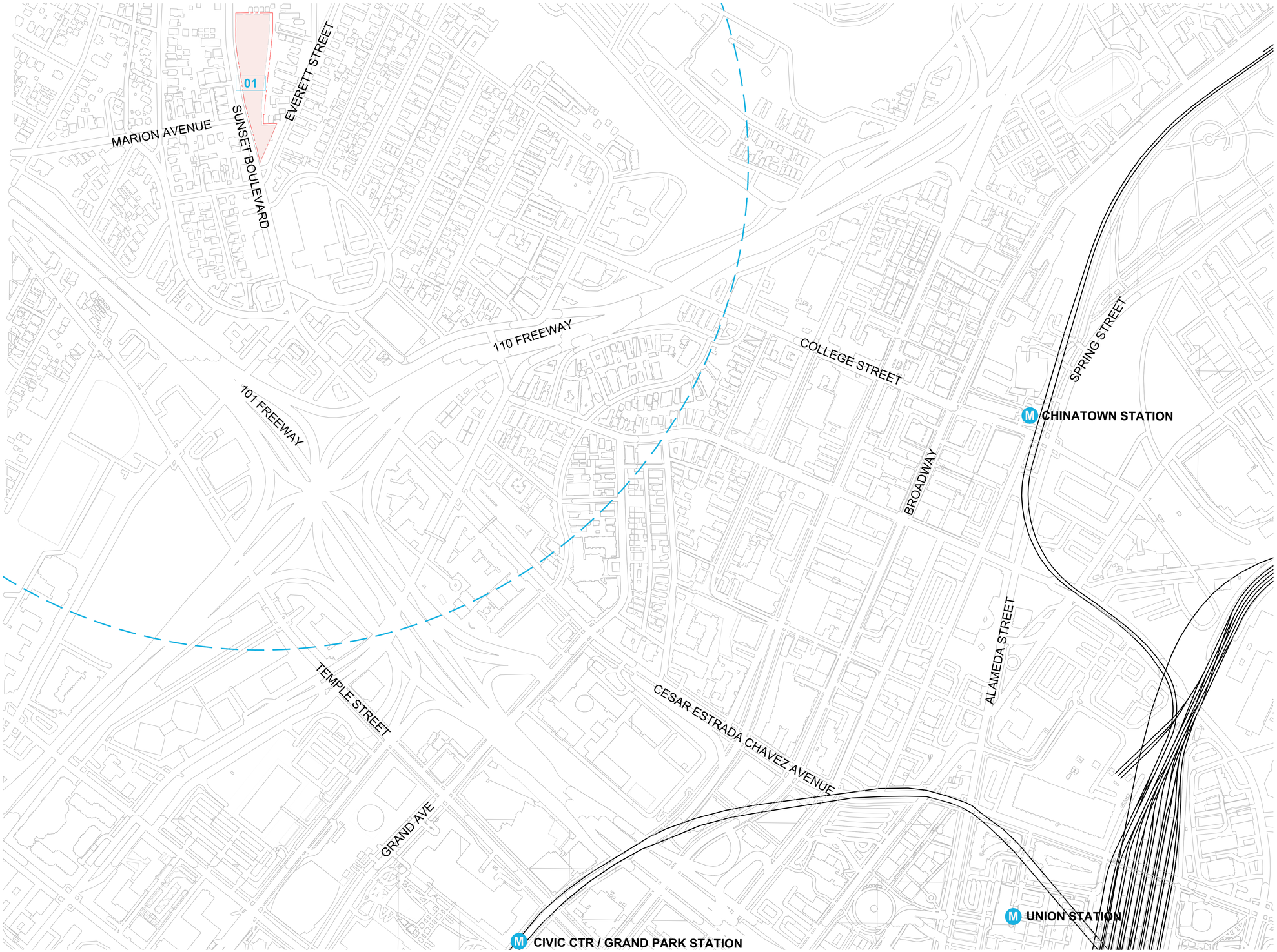

SYMBOLS LEGEND

- PROJECT SITE
- 0.5 MILE RADIUS
- METRO STATION

CALLOUT LEGEND

01 SITE

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1628 W. 1st Ave.
Vancouver, BC, Canada V6J 1G1

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

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Scale: 1" = 250'

VICINITY MAP
PROJECT VICINITY SUMMARY

A0-1

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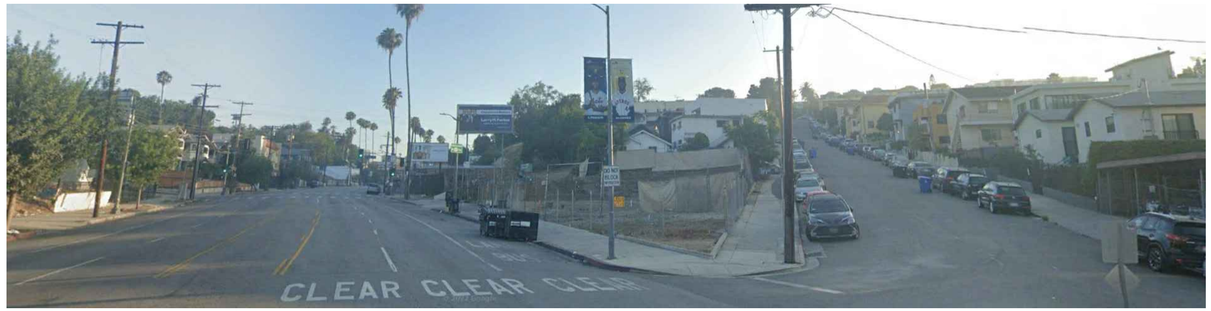

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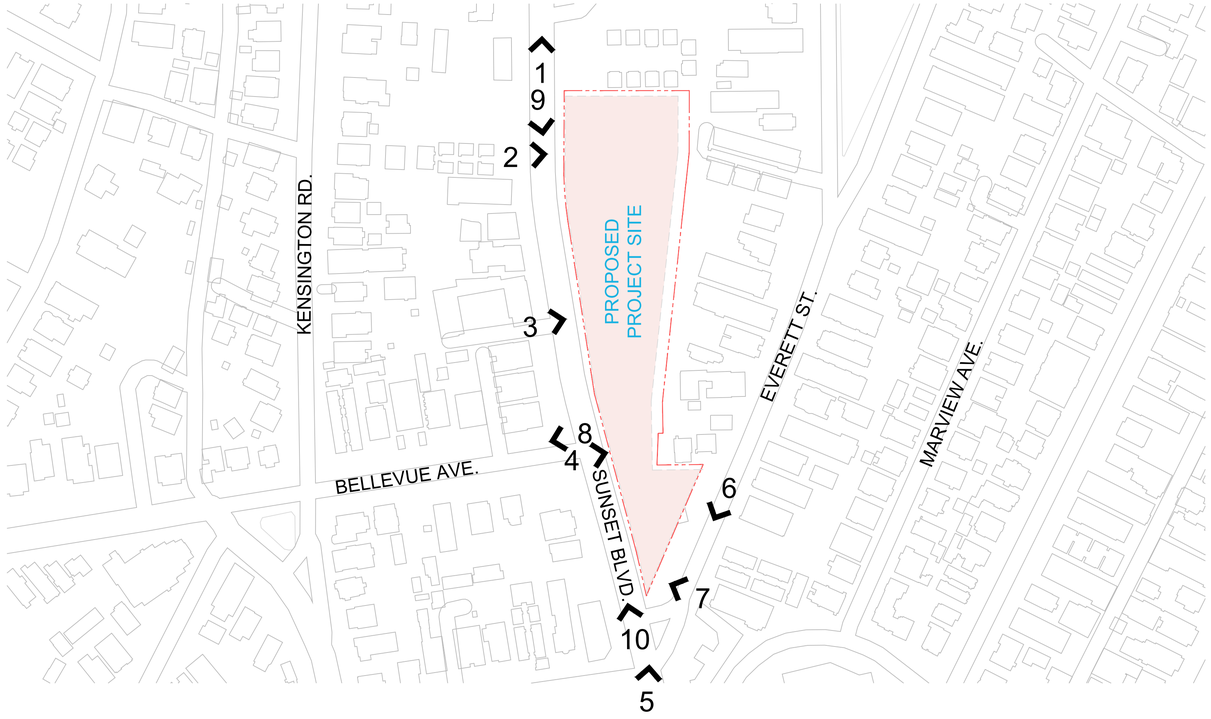

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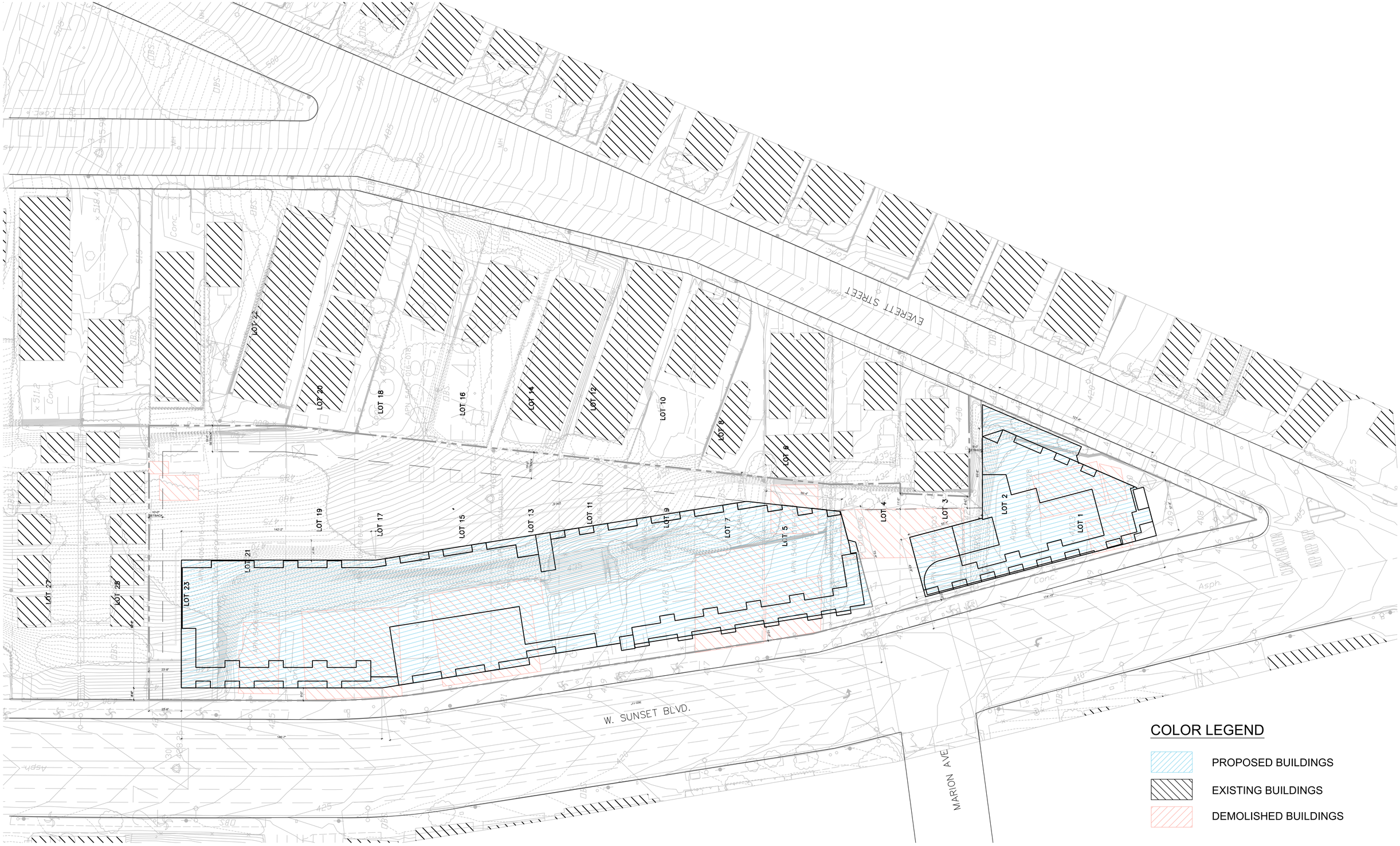
SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

NTS
Scale: NTS

EXISTING CONTEXT

A0-2



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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 15 30 60
Scale: 1" = 30'

PLOT PLAN

A0-3

PROJECT ZONING

PROJECT NAME	SUNSET + EVERETT	
PROJECT ADDRESS	1187-1247 W. SUNSET BLVD. 917-927 N. EVERETT ST. Los Angeles, CA 90012	
LAND USE	General Commercial	
ASSESSOR PARCEL #	5406-016-028, -003, -004, -005, -006, -007, -010, -011, -013, -016, -019, -021, -023	
ZONING	C2-1VL	
DESCRIPTION	Refer to the Plot Plan on sheet A0-3.	
COMBINED SITE AREA	107,100	2.459 AC

SETBACKS	**REQUIRED**	**PROPOSED**
FRONT (Sunset)	com. 0' _ Res. 0'	com. 5' _ Res. 5'
SIDE (Everett)	com. 0' _ Res. 0'	com. 5' _ Res. 13'-5"
SIDE (Abutting Prop.)	com. 0' _ Res. 9'	com. 9' _ Res. 9'
REAR (Abutting Prop.)	com. 0' _ Res. 19'	com. 9' _ Res. 19'

PROJECT SUMMARY & DATA

LOT AREA	107,100 SF	2.459 AC

DENSITY

C2-1D ZONE (BASE)	**PROPOSED AFFORDABLE**	**DB AB-2345**
1/400SF	*15% VERY LOW-INCOME UNITS*	*22% INCREASE*
268 UNITS	41 AFFORDABLE UNITS	**327 UNITS**

PROPOSED DENSITY **133.0 DU/AC**

FAR

PROPOSED FAR	**321,300 SF**	**3.0 :1**
PROGRAM	COMMERCIAL	9,462 SF
	MAIN LOBBY / LEASING	3,660 SF
	FITNESS	1,680 SF
	COMMUNITY RM	1,680 SF
	CLUB LOUNGE	1,442 SF
	OTHER AMENITIES	1,614 SF
	RESIDENTIAL NRSF	**242,796 SF**

PROPOSED MIX

STUDIO	13 UNITS	4%	AVE. 530 SF
1-BED	230 UNITS	70%	AVE. 649 SF
2-BED	79 UNITS	24%	AVE. 1,029 SF
3-BED	5 UNITS	2%	AVE. 1,279 SF
TOTAL	**327 UNITS**	**100%**	**AVE. 744 SF**

HEIGHT	**BUILDING 'A'**	**BUILDING 'B'**
LOWEST GRADE POINT	416.5'	408.5'
AVG. GRADE PLANE	430'	416.38'
TOP OF ROOF / PARAPET	507.0'	494.49'
BUILDING HEIGHT	91' (GRADE)_7 STORIES	86' (GRADE)_7 STORIES
ALLOWABLE HEIGHT	57'-0"(GRADE)	57'-0"(GRADE)
DISCRETIONARY REQUEST	34'	29'
MAX PLUMB HEIGHT	85'	81.5'
ALLOWABLE PLUMB HT	45'	45'
DISCRETIONARY REQUEST	40'	36.5'

SITE COVERAGE

BLDG FOOTPRINT	BLDG 'A': 44,743 SF	BLDG 'B': 11,580 SF
53% (56,323 SF)	42%	11%
IMPERVIOUS/HARDSCAPE	12% (12,852 SF)	
PERVIOUS SURFACE %	35% (37,925 SF)	

PARKING

REQUIRED	0 SPACES	**(NO PARKING PER AB 2097)**
PROPOSED	263 SPACES	

OPEN SPACE

REQUIRED	24,535 SF
PROPOSED	24,540 SF

FAR TABLE

LOT SIZE: 107,100 SQFT

	FAR	SQFT PERMITTED
C2-1D ZONE	1.5 :1	160,650 SF
AB 2345 / LAMC	3.0:1	321,300 SF
PROPOSED	**3.0 :1**	**321,300 SF**

BUILDING 'A' // FLOOR AREA SUMMARY

FLOOR / LEVEL	APARTMENT UNITS	RESIDENTIAL UNIT AREA	COMMON AREAS / CIRCULATION	AMENITY/ LOBBY / RETAIL AREA	BALC. AREA	TOTAL FLOOR AREA	GARAGE / MECH AREA	GROSS BUILDING AREA
Level G1	0 UNITS	0 SF	1,851 SF	0 SF	0 SF	**1,851 SF**	42,786 SF	**44,637 SF**
Level G2	0 UNITS	0 SF	3,146 SF	6,929 SF	0 SF	**10,075 SF**	34,830 SF	**44,905 SF**
Level 1 (G3)	6 UNITS	4,860 SF	4,528 SF	0 SF	540 SF	**9,928 SF**	30,998 SF	**40,926 SF**
Level 2	51 UNITS	34,405 SF	5,233 SF	1,680 SF	2,738 SF	**44,056 SF**	0 SF	**44,056 SF**
Level 3	53 UNITS	35,988 SF	5,184 SF	0 SF	2,844 SF	**44,016 SF**	0 SF	**44,016 SF**
Level 4	51 UNITS	34,869 SF	5,060 SF	1,680 SF	2,738 SF	**44,347 SF**	0 SF	**44,347 SF**
Level 5	42 UNITS	33,993 SF	5,151 SF	0 SF	2,959 SF	**42,103 SF**	0 SF	**42,103 SF**
Level 6	41 UNITS	32,099 SF	4,882 SF	0 SF	4,023 SF	**41,004 SF**	0 SF	**41,004 SF**
Level 7	35 UNITS	25,146 SF	4,974 SF	2,553 SF	1,890 SF	**34,563 SF**	0 SF	**34,563 SF**
Total	**279 UNITS**	201,360 SF	40,009 SF	12,842 SF	17,732 SF	**271,943 SF**	108,614 SF	**380,557 SF**

BUILDING 'A' // AMENITIES/LOBBY/RETAIL

PROGRAM	G2 FLOOR	L2 FLOOR	L3 FLOOR	L4 FLOOR	L6 FLOOR	L7 FLOOR
RETAIL 'A'	2,920 SF					
LOBBY / MAIL	2,855 SF					
BIKE ROOM	1,154 SF					
REC. RM. (FITNESS)		1,680 SF				
REC. RM. (COMM. RM.)				1,680 SF		
REC. RM. (CLUB ROOM)						1,442 SF
REC. RM. (CLUB LOUNGE)						1,111 SF
Total	**6,929 SF**	**1,680 SF**	**0 SF**	**1,680 SF**	**0 SF**	**2,553 SF**

BUILDING 'A' // COMM. SPACE

PROGRAM	G2 FLOOR
RETAIL 'A'	2,920 SF
Total	**2,920 SF**

BUILDING 'B' // FLOOR AREA SUMMARY

FLOOR / LEVEL	APARTMENT UNITS	RESIDENTIAL UNIT AREA	COMMON AREAS / CIRCULATION	AMENITY/ LOBBY / RETAIL AREA	BALC. AREA	TOTAL FLOOR AREA	GARAGE / MECH AREA	GROSS BUILDING AREA
Level G1	0 UNITS	0 SF	1,936 SF	460 SF	0 SF	**2,396 SF**	9,154 SF	**11,550 SF**
Level 1	0 UNITS	0 SF	3,501 SF	6,542 SF	0 SF	**10,043 SF**	0 SF	**10,043 SF**
Level 2	9 UNITS	8,153 SF	1,943 SF	235 SF	841 SF	**11,172 SF**	0 SF	**11,172 SF**
Level 3	9 UNITS	8,428 SF	1,871 SF	0 SF	673 SF	**10,972 SF**	0 SF	**10,972 SF**
Level 4	9 UNITS	8,246 SF	1,871 SF	0 SF	949 SF	**11,066 SF**	0 SF	**11,066 SF**
Level 5	9 UNITS	7,366 SF	1,771 SF	0 SF	1,169 SF	**10,306 SF**	0 SF	**10,306 SF**
Level 6	9 UNITS	6,675 SF	1,771 SF	0 SF	828 SF	**9,274 SF**	0 SF	**9,274 SF**
Level 7	3 UNITS	2,568 SF	1,678 SF	0 SF	159 SF	**4,405 SF**	0 SF	**4,405 SF**
Total	**48 UNITS**	41,436 SF	16,342 SF	7,237 SF	4,619 SF	**69,634 SF**	9,154 SF	**78,788 SF**

BUILDING 'B' // AMENITIES/LOBBY/RETAIL

PROGRAM	G1 FLOOR	L1 FLOOR	L2 FLOOR	L3 FLOOR	L4 FLOOR	L6 FLOOR
RESTAURANT		5,258 SF				
RETAIL 'B'		1,284 SF				
LOBBY / MAIL			235 SF			
BIKE ROOM	460 SF					
Total	**460 SF**	**6,542 SF**	**235 SF**	**0 SF**	**0 SF**	**0 SF**

BUILDING 'B' // COMM. SPACE

PROGRAM	L1 FLOOR
RESTAURANT	5,258 SF
RETAIL 'B'	1,284 SF
Total	**6,542 SF**

OPEN SPACE | BUILDING 'A'

REQUIRED		OPEN SPACE	
STUDIO	7	100 PER UNIT	700
1 BEDROOM	215	100 PER UNIT	21,500
2 BEDROOM	55	125 PER UNIT	6,875
3 BEDROOM	2	175 PER UNIT	350
	279 UNITS	**REQUIRED OPEN SPACE**	**29,425 SF**

OPEN SPACE | BUILDING 'B'

REQUIRED		OPEN SPACE	
STUDIO	6	100 PER UNIT	600
1 BEDROOM	15	100 PER UNIT	1,500
2 BEDROOM	24	125 PER UNIT	3,000
3 BEDROOM	3	175 PER UNIT	525
	48 UNITS	**REQUIRED OPEN SPACE**	**5,625 SF**

OPEN SPACE | BUILDING 'A' + 'B'

REQUIRED		OPEN SPACE	
STUDIO	13	100 PER UNIT	1,300
1 BEDROOM	230	100 PER UNIT	23,000
2 BEDROOM	79	125 PER UNIT	9,875
3 BEDROOM	5	175 PER UNIT	875
	327 UNITS	**REQUIRED OPEN SPACE**	35,050 SF
		30% REDUCTION	**10,515 SF**
		TOTAL REQUIRED:	24,535 SF

BUILDING 'A' // AMENITIES

PROVIDED	L2 FLOOR	L4 FLOOR	L7 FLOOR
REC. RM. (FITNESS)	1,680 SF		
REC. RM. (COMMUNITY ROOM)		1,680 SF	
REC. RM. (CLUB ROOM)			1,442 SF
REC. RM. (CLUB LOUNGE)			1,111 SF
TOTAL	**1,680 SF**	**1,680 SF**	**2,553 SF**
PROVIDED		**5,913 SF**	

BUILDING 'B' // AMENITIES

PROVIDED	G2 FLOOR	L2 FLOOR	L4 FLOOR	L7 FLOOR
NONE	0 SF	0 SF	0 SF	0 SF
TOTAL	**0 SF**	**0 SF**	**0 SF**	**0 SF**
PROVIDED		**0 SF**		

OPEN SPACE

		AREA
REQUIRED OPEN SPACE	327 DU	**35,050 SF**
	INCENTIVE: 30% REDUCTION	**10,515 SF**
	TOTAL REQUIRED	**24,535 SF**
PROVIDED OPEN SPACE (COMPLIANT)	BLDG 'A': 104 PVT DECKS *(compliant to 50 sf max.)*	5,200 SF
	COURTYARD 'A1' - L2	5,950 SF
	COURTYARD 'A2' - G2	1,630 SF
	ROOF DECK 'A1' - L7	2,975 SF
	BLDG 'B': 21 PVT DECKS *(compliant to 50 sf max.)*	1,050 SF
	ROOF DECK 'B1' - L7	758 SF
	ROOF DECK 'B2' - L7	1,064 SF
	INDOOR AMENITIES *(up to max. 25% of total req.)*	5,913 SF
	TOTAL PROVIDED	**24,540 SF**
PROVIDED OPEN SPACE (OTHER OPEN SPACE NOT INCLUDE IN COMMON OPEN SPACE CALCULATION)	BLDG 'A': 175 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	8,750 SF
	PLAZA 'A' - L1	965 SF
	RETAIL PATIO 'A' - L1	1,765 SF
	COURTYARD 'A1' - L2	565 SF
	ROOF DECK 'A2' - L7	515
	BLDG 'B': 27 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	1,350 SF
	PLAZA 'B' - L1 *(commercial outdoor space)*	2,365 SF
	RETAIL PATIO 'B' - L1	750 SF
	TOTAL OTHER OPEN SPACE	**17,025 SF**
TOTAL PROJECT OPEN SPACE		**41,565 SF**

BUILDING 'A' // NUMBER OF PRIVATE DECKS

UNITS	PROVIDED
STUDIO	7
1 BEDROOM	215
2 BEDROOM	69
3 BEDROOM	4
TOTAL	**295 DECKS**

BUILDING 'B' // NUMBER OF PRIVATE DECKS

UNITS	PROVIDED
STUDIO	6
1 BEDROOM	15
2 BEDROOM	37
3 BEDROOM	4
TOTAL	**62 DECKS**

BUILDING 'A' + 'B' // NUMBER OF PRIVATE DECKS

UNITS	PROVIDED
STUDIO	13
1 BEDROOM	230
2 BEDROOM	106
3 BEDROOM	8
TOTAL	**357 DECKS**

(A MINIMUM OF 1 PRIVATE DECK IS PROVIDED TO EACH DWELLING UNIT. VARIOUS UNITS PROVIDE MULTIPLE DECKS, BUT A MINIMUM OF 50 SF IS COUNTED TOWARDS PRIVATE OPEN SPACE.)

PARKING PROVIDED

PROVIDED PARKING	RESIDENTIAL				
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	ADA	TOTAL
G1 FLOOR | BLDG 'A'	2	66	30	0	98
G2 FLOOR | BLDG 'A'	0	34	21	4	59
G3 FLOOR | BLDG 'A'	1	48	21	1	71
G1 FLOOR | BLDG 'B'	1	12	1	2	16
TOTAL OF EACH STALL TYPE	**4**	**160**	**73**	**7**	
TOTAL PROVIDED		**244 SPACES**			**0.75 SPACE/UNIT**

PROVIDED PARKING	COMMERCIAL				
	COMPACT	STANDARD	TANDEM	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	17	0	1	0
TOTAL OF EACH STALL TYPE	**1**	**17**	**0**	**1**	**9,462 SF**
TOTAL PROVIDED		**19 SPACES**			**1 SPACE / 500 SF**

EV PARKING

PROVIDED PARKING	244 SPACES		
%	CAL GREEN	REQ.	ROUNDED UP
30%	EV CAPABLE	73.2	74
25%	EV READY	61	61
10%	EV CHARGERS	24.4	25
TOTAL PER CITY OF LA			**160**
EV ACCESSIBLE (1 IN 25)			7

BIKE PARKING

Table 12.21 A.16.(a)(1)(i)

LONG-TERM

DWELLING UNITS	RATIO	DU	TOTAL
First Tier (1-25 DU)	1	25	25.0
Second Tier (26-100 DU)	1.5	75	50.0
Third Tier (101-200 DU)	2	100	50.0
Fourth Tier (201+ DU)	4	127	31.8
COMMERCIAL	**RATIO / SQFT**	**SQFT**	**TOTAL**
	2000	9,462 SF	4.7
TOTAL REQUIRED			**161.5**
TOTAL PROPOSED			**162**

SHORT-TERM

DWELLING UNITS	RATIO	DU	TOTAL
First Tier (1-25 DU)	10	25	2.5
Second Tier (26-100 DU)	15	75	5.0
Third Tier (101-200 DU)	20	100	5.0
Fourth Tier (201+ DU)	40	127	3.2
COMMERCIAL	**RATIO / SQFT**	**SQFT**	**TOTAL**
	2000	9,462 SF	4.7
TOTAL REQUIRED			**20.4**
TOTAL PROPOSED			**20**

RESIDENTIAL STORAGE — 4X4 LOCKERS

PROVIDED

UNITS	RATIO
327	0.86
TOTAL PROPOSED	**280**

INCENTIVES

	BASE ZONING (C2-1D ZONE)	DENSITY BONUS AB 2345	PROVIDED
HEIGHT	57'	OFF-MENU DENSITY BONUS HEIGHT REQUEST 34'	**± 91'-0"**
FAR	1.5 :1	ON-MENU FAR REQUEST 3.0:1	**3.0 : 1**
OPEN SPACE	30%	OFF-MENU REDUCTION	**24,535 SF**

MIXED-USE COMMERCIAL FRONTAGE COMPLIANCE

(PER LAMC 13.09 B3)

LOCATION	FRONTAGE LENGTH	25' DEEP COMMERCIAL FRONTAGE REQD (35% MIN. OF FRONTAGE LENGTH)	COMMERCIAL FRONTAGE PROPOSED	
SUNSET BOULEVARD	595.91 FT	208.57 FT	224.50 FT	37.7%
EVERETT STREET	69.58 FT	24.35 FT	86.00 FT	123.6%

**EXCLUDING DRIVEWAYS OR PEDESTRIAN ENTRANCES*

Architecture + Planning
888.456.5849
ktgy.com

Aragon Properties LTD.
1628 W. 1st Ave.
Vancouver, BC, Canada V6J 1G1

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

PROJECT DATA
DATA

UNIT DATA | BLDG A

UNITS	P0-1	P0-2A	P0-2B	P0-3A	P0-4A	P1-1A	P1-1B	P1-2A	P1-2C	P1-3A	P1-3B	P1-4A	P1-4B	P1-5A	P1-6A	P1-6B	P1-7A	P1-7C	P1-10	P1-11A	P1-11B	P1-9	P2-1	P2-1B	P2-2	P2-3A	P2-4A	P2-4B	P2-4C	P2-5	P2-5B	P2-5C	P2-6	P2-7A	P2-7B	P2-7C	P2-7D	P2-7E	P2-8	P2-9	P2-10	P2-11	P2-12	P3-1	P3-2A	P3-2B	P3-2C	TOTALS
UNIT SQFT	368	519	554	552	508	537	537	561	611	570	569	619	619	635	718	718	731	606	694	1,011	1,011	767	856	987	810	865	919	1,025	1,025	962	1,254	1,094	1,054	1,122	1,122	1,176	1,414	1,254	1,260	1,369	1,021	1,181	1,182	1,160	1,341	1,341	1,394	
BALCONY SQFT	53	87	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	66	53	53	53	287	53	53	90	88	53	53	53	159	159	159	236	107	107	53	159	159	310	107	157	210	53	371	106	106	53	
LEVEL 1 (G3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6 UNITS
LEVEL 2	0	0	0	1	0	0	0	19	0	0	0	0	0	1	2	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51 UNITS
LEVEL 3	0	0	0	1	1	0	0	19	1	0	0	0	0	1	10	12	1	0	2	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	53 UNITS
LEVEL 4	0	0	0	1	0	0	0	19	0	0	0	0	0	1	1	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	51 UNITS
LEVEL 5	0	0	0	1	0	0	0	10	2	0	0	0	0	1	0	11	1	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	9	0	1	1	0	0	0	0	1	0	0	0	0	42 UNITS
LEVEL 6	0	0	0	1	0	0	0	10	0	0	0	0	0	1	0	11	1	1	1	0	0	0	0	0	0	1	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	41 UNITS
LEVEL 7	0	0	0	1	0	0	0	10	0	0	0	0	0	1	0	11	1	0	1	0	0	0	7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	35 UNITS
TOTALS	0	0	0	6	1	0	0	87	3	0	0	0	0	6	13	87	6	1	9	1	2	0	7	1	6	6	2	3	3	9	1	1	0	0	9	0	1	1	0	0	0	0	5	2	0	0	0	279 UNITS
PERCENTAGE	0.0%	0.0%	0.0%	2.2%	0.4%	0.0%	0.0%	31.2%	1.1%	0.0%	0.0%	0.0%	0.0%	2.2%	4.7%	31.2%	2.2%	0.4%	3.2%	0.4%	0.7%	0.0%	2.5%	0.4%	2.2%	2.2%	0.7%	1.1%	1.1%	3.2%	0.4%	0.4%	0.0%	0.0%	3.2%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	1.8%	0.7%	0.0%	0.0%	0.0%	
PRIVATE OPEN SPACE																																															17,732 SQFT
RENTABLE AREA	0	0	0	3,312	508	0	0	48,807	1,833	0	0	0	0	3,810	9,334	62,466	4,386	606	6,246	1,011	2,022	0	5,992	987	4,860	5,190	1,838	3,075	3,075	8,658	1,254	1,094	0	0	10,098	0	1,414	1,254	0	0	0	0	5,910	2,320	0	0	0	201,360 SQFT
UNIT TYPE	**STUDIO**					**JR / 1 BEDROOM**									**1 BEDROOM +DEN**								**2 BEDROOM**																						**3 BEDROOM**				
TOTAL UNITS	**7**					**96**									**119**								**55**																						**2**				**279 UNITS**
UNIT MIX	**2.5%**					**34.4%**									**42.7%**								**19.7%**																						**0.7%**				**100.0%**
AVG SQFT	**546**					**567**									**723**								**995**																						**1,160**				**722 SQFT**

UNIT DATA | BLDG B

UNITS	P0-1	P0-2A	P0-2B	P0-3_A	P0-4_A	P1-1A	P1-1B	P1-2A	P1-2C	P1-3A	P1-3B	P1-4A	P1-4B	P1-5A	P1-6A	P1-6B	P1-7A	P1-7C	P-10	P1-11A	P1-11B	P1-9	P2-1	P2-1B	P2-2	P2-3A	P2-4A	P2-4B	P2-4C	P2-5	P2-5B	P2-5C	P2-6	P2-7A	P2-7B	P2-7C	P2-7D	P2-7E	P2-8	P2-9	P2-10	P2-11	P2-12	P3-1	P3-2A	P3-2B	P3-2C	TOTALS
UNIT SQFT	368	519	554	552	508	537	537	561	611	570	569	619	619	635	718	718	731	606	694	1,011	1,011	754	856	987	890	865	919	1,025	1,025	962	1,254	1,254	1,054	1,122	1,122	1,176	1,414	1,254	1,260	1,369	1,074	1,181	1,182	1,160	1,341	1,341	1,394	
BALCONY SQFT	53	87	53	53	53	53	53	52	53	53	53	53	53	53	53	53	53	66	53	53	53	300	53	53	108	88	53	53	53	159	159	159	236	107	107	53	159	159	310	107	157	210	53	371	106	106	53	
LEVEL 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 UNITS
LEVEL 2	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	1	0	0	9 UNITS
LEVEL 3	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	1	9 UNITS
LEVEL 4	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	1	0	9 UNITS
LEVEL 5	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9 UNITS
LEVEL 6	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9 UNITS
LEVEL 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3 UNITS
TOTALS	1	2	3	0	0	2	3	0	0	2	2	2	3	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	3	0	0	1	3	3	3	0	0	2	1	1	1	0	0	1	1	1	48 UNITS
PERCENTAGE	2.1%	4.2%	6.3%	0.0%	0.0%	4.2%	6.3%	0.0%	0.0%	4.2%	4.2%	4.2%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	0.0%	0.0%	2.1%	6.3%	6.3%	6.3%	0.0%	0.0%	4.2%	2.1%	2.1%	2.1%	0.0%	0.0%	2.1%	2.1%	2.1%	
PRIVATE OPEN SPACE																																															4,619 SQFT
RENTABLE AREA	368	1,038	1,662	0	0	1,074	1,611	0	0	1,140	1,138	1,238	1,857	0	0	0	0	0	0	0	0	754	5,136	0	0	0	0	0	0	2,886	0	0	1,054	3,366	3,366	3,528	0	0	2,520	1,369	1,074	1,181	0	0	1,341	1,341	1,394	41,436 SQFT
UNIT TYPE	**STUDIO**					**JR / 1BED**									**1BED +DEN**								**2BED**																						**3 BED**				
TOTAL UNITS	**6**					**14**									**1**								**24**																						**3**				**48 UNITS**
UNIT MIX	**12.5%**					**29.2%**									**2.1%**								**50.0%**																						**6.3%**				**100.0%**
AVG SQFT	**511**					**576**									**0**								**1,062**																						**1,359**				**848 SQFT**

UNIT DATA TOTAL | BLDG A + BLDG B

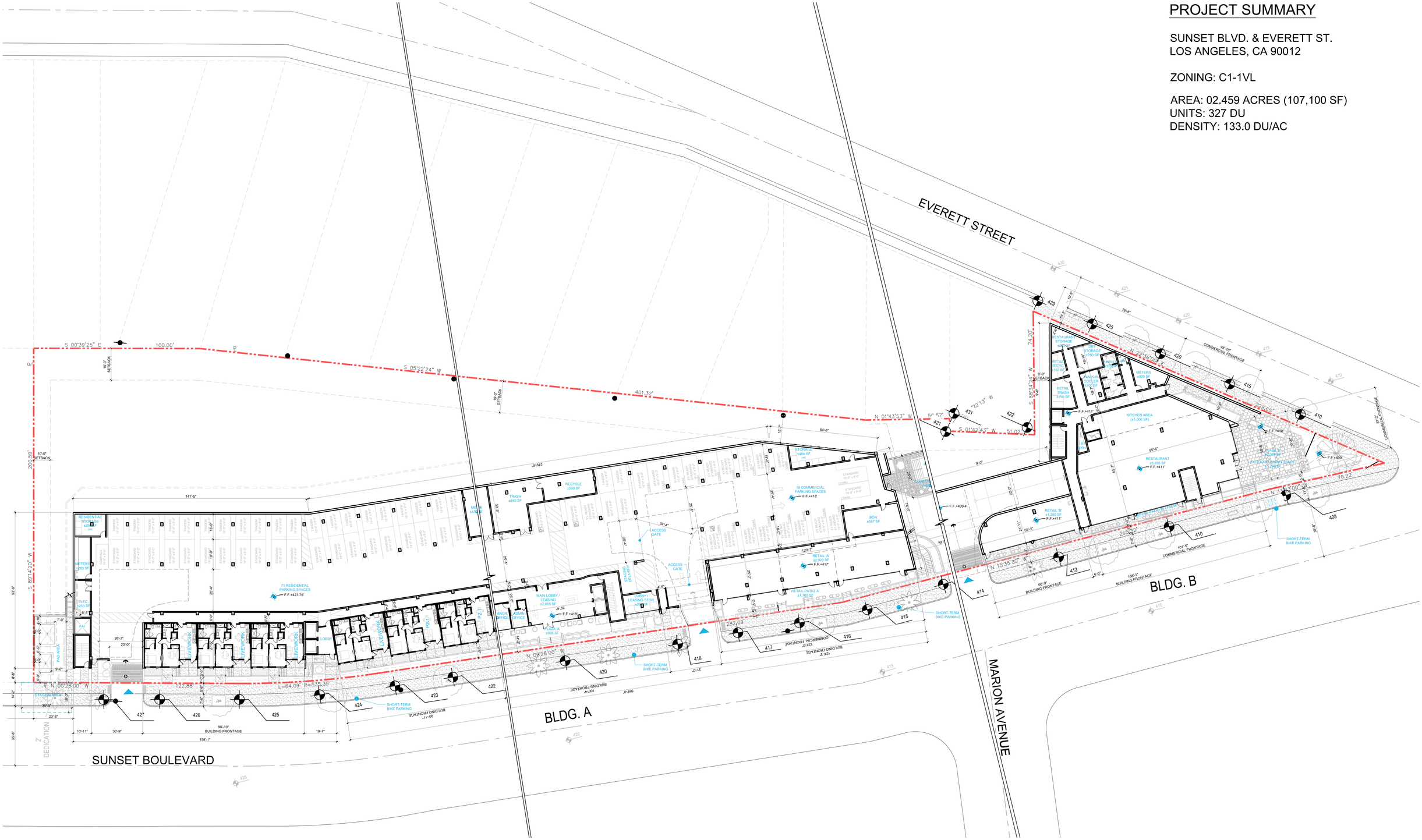
UNITS	P0-1	P0-2A	P0-2B	P0-3_A	P0-4A	P1-1A	P1-1B	P1-2A	P1-2C	P1-3A	P1-3B	P1-4A	P1-4B	P1-5A	P1-6A	P1-6B	P1-7A	P1-7C	P1-10	P1-11A	P1-11B	P1-9	P2-1	P2-1B	P2-2	P2-3A	P2-4A	P2-4B	P2-4C	P2-5	P2-5B	P2-5C	P2-6	P2-7A	P2-7B	P2-7C	P2-7D	P2-7E	P2-8	P2-9	P2-10	P2-11	P2-12	P3-1	P3-2A	P3-2B	P3-2C	TOTALS
UNIT SQFT	368	519	554	552	508	537	537	561	611	570	569	619	619	635	718	718	731	606	694	1,011	1,011	754	856	987	890	865	919	1,025	1,025	962	1,254	1,094	1,054	1,122	1,122	1,176	1,414	1,254	1,260	1,369	1,021	1,181	1,182	1,160	1,341	1,341	1,394	
BALCONY SQFT	53	87	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	66	53	53	53	300	53	53	108	88	53	53	53	159	159	159	236	107	107	53	159	159	310	107	157	210	53	371	106	106	53	
LEVEL 1 (G3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6 UNITS
LEVEL 2	1	0	1	1	0	0	1	19	0	0	0	0	1	1	2	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	1	0	0	60 UNITS
LEVEL 3	0	1	0	1	1	1	0	19	1	1	0	1	0	1	10	12	1	0	2	1	0	0	0	0	0	1	0	1	1	0	0	0	0	2	0	1	0	0	0	1	0	0	1	0	0	0	1	62 UNITS
LEVEL 4	0	0	1	1	0	0	1	19	0	0	1	0	1	1	1	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	3	0	0	0	1	0	0	0	0	1	0	0	1	60 UNITS
LEVEL 5	0	1	0	1	0	1	0	10	2	1	0	1	0	1	0	11	1	0	1	0	0	0	0	0	0	1	2	0	0	3	0	0	1	0	9	0	1	1	0	0	0	0	1	1	0	0	0	51 UNITS
LEVEL 6	0	0	1	1	0	0	1	10	0	0	1	0	1	1	0	11	1	1	1	0	0	1	3	0	0	1	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	50 UNITS
LEVEL 7	0	0	0	1	0	0	0	10	0	0	0	0	0	1	0	11	1	0	1	0	0	0	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	38 UNITS
TOTALS	1	2	3	6	1	2	3	87	3	2	2	2	3	6	13	87	6	1	9	1	2	1	13	1	6	6	2	3	3	12	1	1	1	3	12	3	1	1	2	1	1	1	5	2	1	1	1	327 UNITS
PERCENTAGE	0.3%	0.6%	0.9%	1.8%	0.3%	0.6%	0.9%	26.6%	0.9%	0.6%	0.6%	0.6%	0.9%	1.8%	4.0%	26.6%	1.8%	0.3%	2.8%	0.3%	0.6%	0.3%	4.0%	0.3%	1.8%	1.8%	0.6%	0.9%	0.9%	3.7%	0.3%	0.3%	0.3%	0.9%	3.7%	0.9%	0.3%	0.3%	0.6%	0.3%	0.3%	0.3%	1.5%	0.6%	0.3%	0.3%	0.3%	
PRIVATE OPEN SPACE																																															22,459 SQFT
RENTABLE AREA	368	1,038	1,662	3,312	508	1,074	1,611	48,807	1,833	1,140	1,138	1,238	1,857	3,810	9,334	62,466	4,386	606	6,246	1,011	2,022	754	11,128	987	5,340	5,190	1,838	3,075	3,075	11,544	1,254	1,094	1,054	3,366	13,464	3,528	1,414	1,254	2,520	1,369	1,021	1,181	5,910	2,320	1,341	1,341	1,394	243,223 SQFT
UNIT TYPE	**STUDIO**					**JR / 1BED**									**1BED +DEN**								**2 BEDROOM**																						**3 BEDROOM**				
TOTAL UNITS	**13**					**110**									**120**								**79**																						**5**				**327 UNITS**
UNIT MIX	**4.0%**					**33.6%**									**36.7%**								**24.2%**																						**1.5%**				**100.0%**
AVG SQFT	**530**					**568**									**724**								**1,020**																						**1,279**				**744 SQFT**
						649																																										

PROJECT SUMMARY

SUNSET BLVD. & EVERETT ST.
LOS ANGELES, CA 90012

ZONING: C1-1VL

AREA: 02.459 ACRES (107,100 SF)
UNITS: 327 DU
DENSITY: 133.0 DU/AC



ktgy

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1628 W. 1st Ave.
Vancouver, BC, Canada V6J 1G1

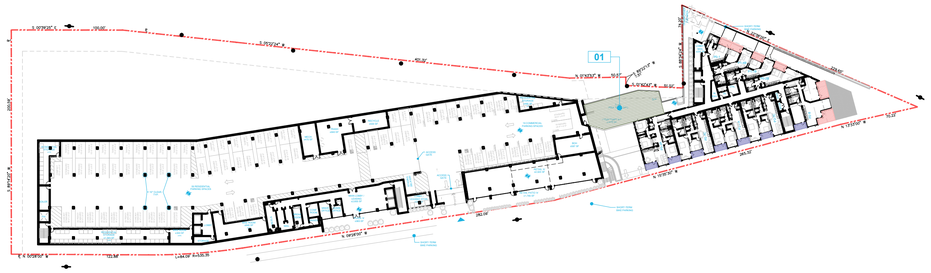
SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

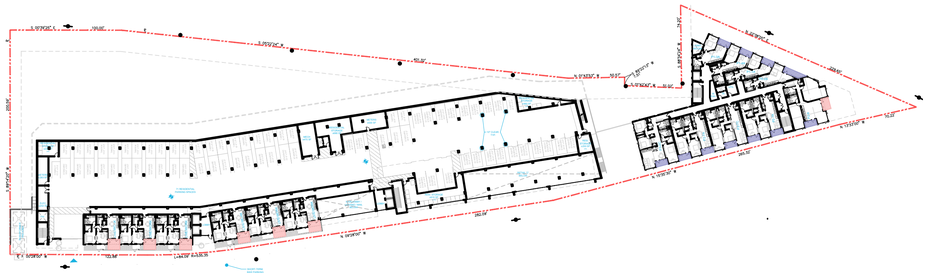
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL SITE PLAN
PROJECT SUMMARY

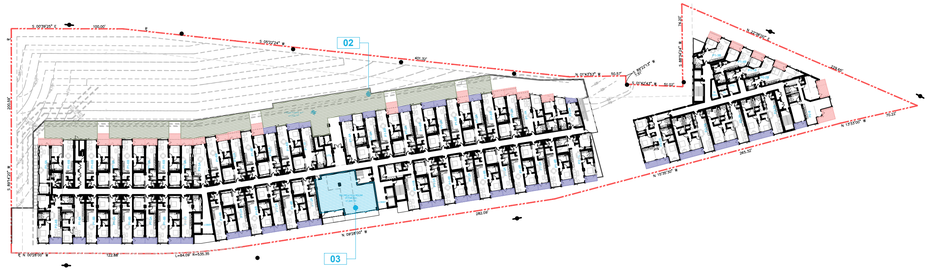
A1-0



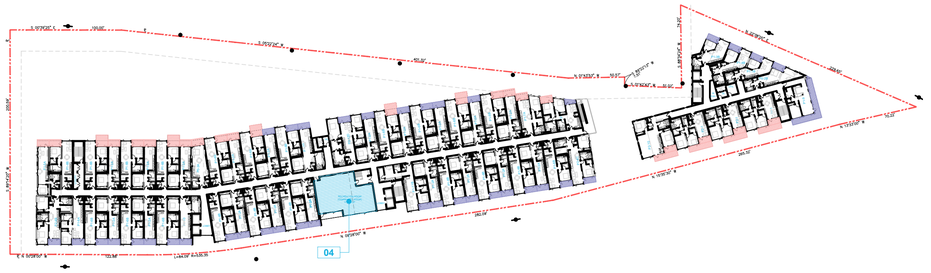
BLDG 'A' // LEVEL G2



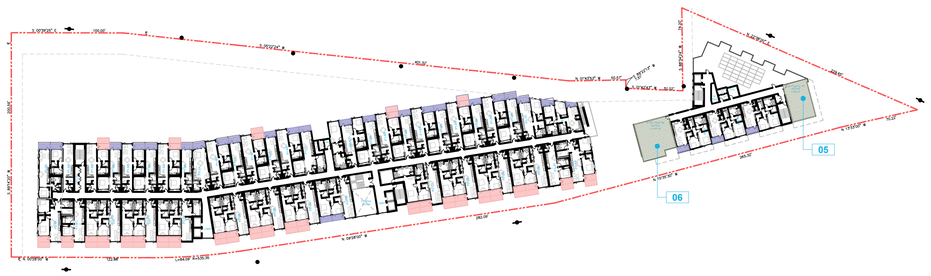
BLDG 'B' // LEVEL 02



BLDG 'A' // LEVEL 02



BLDG 'B' // LEVEL 04

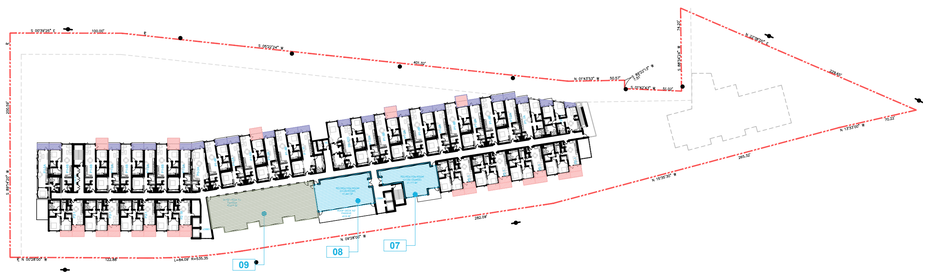


BLDG 'A' // LEVEL 05

OPEN SPACE | BUILDING 'A'			
REQUIRED		**OPEN SPACE**	
STUDIO	7	100 PER UNIT	700
1 BEDROOM	215	100 PER UNIT	21,500
2 BEDROOM	55	125 PER UNIT	6,875
3 BEDROOM	2	175 PER UNIT	350
	279 UNITS	**REQUIRED OPEN SPACE**	**29,425 SF**

OPEN SPACE | BUILDING 'B'			
REQUIRED		**OPEN SPACE**	
STUDIO	6	100 PER UNIT	600
1 BEDROOM	15	100 PER UNIT	1,500
2 BEDROOM	24	125 PER UNIT	3,000
3 BEDROOM	3	175 PER UNIT	525
	48 UNITS	**REQUIRED OPEN SPACE**	**5,625 SF**

OPEN SPACE | BUILDING 'A' + 'B'			
REQUIRED		**OPEN SPACE**	
STUDIO	13	100 PER UNIT	1,300
1 BEDROOM	230	100 PER UNIT	23,000
2 BEDROOM	79	125 PER UNIT	9,875
3 BEDROOM	5	175 PER UNIT	875
	327 UNITS	**REQUIRED OPEN SPACE**	35,050 SF
		30% REDUCTION	**10,515 SF**
		TOTAL REQUIRED:	24,535 SF



BLDG 'A' // LEVEL 07

PROVIDED	OPEN SPACE
125 PRIVATE DECKS (compliance to 50sf max.)	6,250 SF
COURTYARD 'A1' - L2	5,950 SF
COURTYARD 'A2' - G2	1,630 SF
ROOF DECK 'A1' - L7	2,975 SF
ROOF DECK 'B1' - L7	758 SF
ROOF DECK 'B2' - L7	1,064 SF
INDOOR AMENITIES *(up to max. 25% of total req.)*	5,913 SF
TOTAL	**24,540 SF**
202 PRIVATE DECKS (Noncompliance)	10,100 SF

BLDG 'B' // LEVEL 07

BUILDING 'A' // AMENITIES			
PROVIDED	**L2 FLOOR**	**L4 FLOOR**	**L7 FLOOR**
REC. RM. (FITNESS)	1,680 SF		
REC. RM. (COMMUNITY ROOM)		1,680 SF	
REC. RM. (CLUB ROOM)			1,442 SF
REC. RM. (CLUB LOUNGE)			1,111 SF
TOTAL	**1,680 SF**	**1,680 SF**	**2,553 SF**
PROVIDED	**5,913 SF**		

BUILDING 'B' // AMENITIES				
PROVIDED	**G2 FLOOR**	**L2 FLOOR**	**L4 FLOOR**	**L7 FLOOR**
NONE	0 SF	0 SF	0 SF	0 SF
TOTAL	**0 SF**	**0 SF**	**0 SF**	**0 SF**
PROVIDED	**0 SF**			

AREA LEGEND

01 COURTYARD 'A2' - G2
02 COURTYARD 'A1' - L1
03 FITNESS
04 COMMUNITY ROOM
05 ROOF DECK 'B1'
06 ROOF DECK 'B2'
07 CLUB LOUNGE
08 CLUB ROOM
09 ROOF DECK 'A1'

OPEN SPACE

OPEN SPACE		AREA
REQUIRED OPEN SPACE	327 DU	**35,050 SF**
	INCENTIVE: 30% REDUCTION	**10,515 SF**
	TOTAL REQUIRED	**24,535 SF**
PROVIDED OPEN SPACE (COMPLIANT)	BLDG 'A': 104 PVT DECKS *(compliant to 50 sf max.)*	5,200 SF
	COURTYARD 'A1' - L2	5,950 SF
	COURTYARD 'A2' - G2	1,630 SF
	ROOF DECK 'A1' - L7	2,975 SF
	BLDG 'B': 21 PVT DECKS *(compliant to 50 sf max.)*	1,050 SF
	ROOF DECK 'B1' - L7	758 SF
	ROOF DECK 'B2' - L7	1,064 SF
	INDOOR AMENITIES *(up to max. 25% of total req.)*	5,913 SF
	TOTAL PROVIDED	**24,540 SF**
PROVIDED OPEN SPACE (OTHER OPEN SPACE NOT INCLUDE IN COMMON OPEN SPACE CALCULATION)	BLDG 'A': 175 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	8,750 SF
	PLAZA 'A' - L1	965 SF
	RETAIL PATIO 'A' - L1	1,765 SF
	COURTYARD 'A1' - L2	565 SF
	ROOF DECK 'A2' - L7	515
	BLDG 'B': 27 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	1,350 SF
	PLAZA 'B' - L1 *(commercial outdoor space)*	2,365 SF
	RETAIL PATIO 'B' - L1	750 SF
	TOTAL OTHER OPEN SPACE	**17,025 SF**
TOTAL PROJECT OPEN SPACE		**41,565 SF**

COMMON OPEN SPACE REQUIREMENTS

- EACH AREA MIN 400 SF
- NO DIMENSION ON ANY SIDE LESS THAN 15'
- CONSTITUTE AT LEAST 50% OF THE REQUIRED OPEN SPACE
- RECREATION ROOMS OF AT LEAST 600 SF OR MORE MAY QUALIFY UP TO 25% OF THE REQUIRED OPEN SPACE

COLOR LEGEND

1. OUTDOOR COMMON OPEN SPACE

2. INDOOR COMMON OPEN SPACE

3. PRIVATE OPEN SPACE
– 106 COMPLIANT BALCONIES
WITH 6' MIN DIM IN LENGTH AND WIDTH
(BLDG 'A' : L1 (G3) - L7 + BLDG 'B' : L2 - L7)

4. PRIVATE OPEN SPACE
- 221 NONCOMPLIANT BALCONIES
(BLDG 'A' : L1 (G3) - L7 + BLDG 'B' : L2 - L7)

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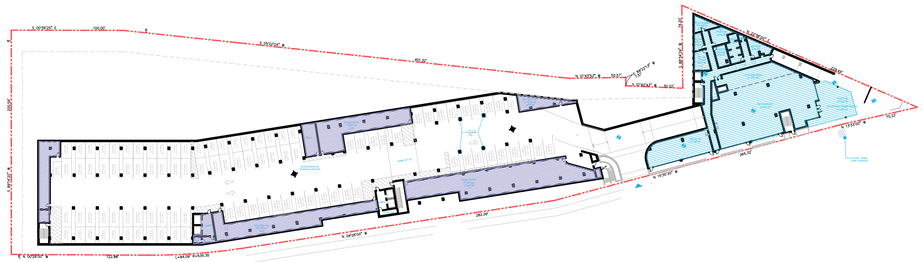
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 32 64 128
Scale: 1" = 64'-0"

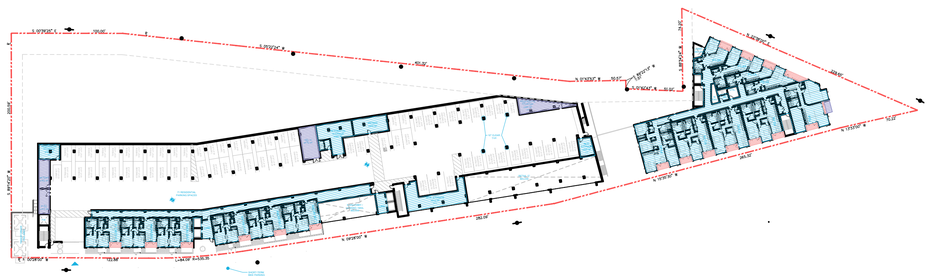
OPEN SPACE EXHIBIT

A1-2



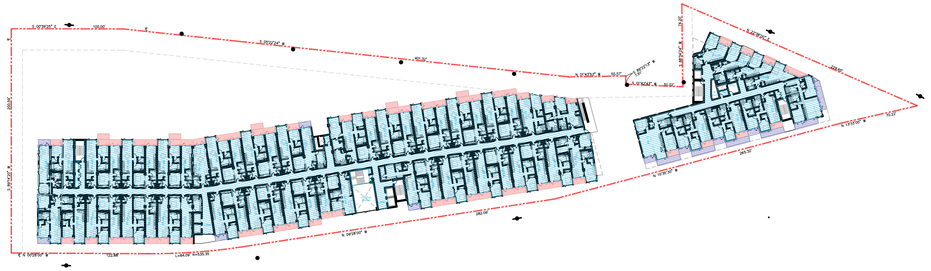
BLDG 'A' // LEVEL G1

BLDG 'A' // LEVEL G2

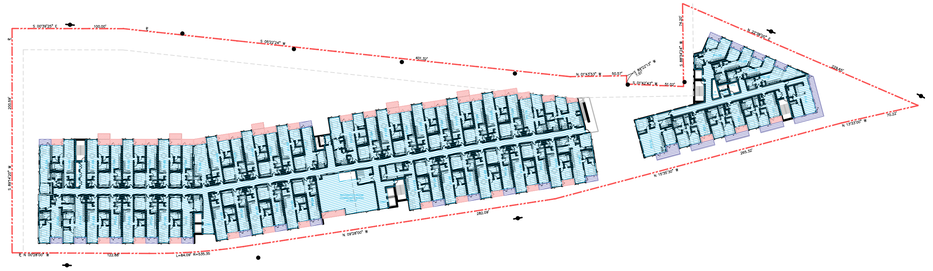


BLDG 'A' // LEVEL 01 (G3)

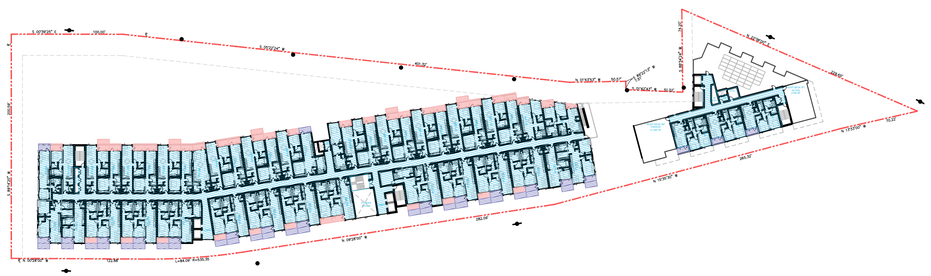
BLDG 'A' // LEVEL 02



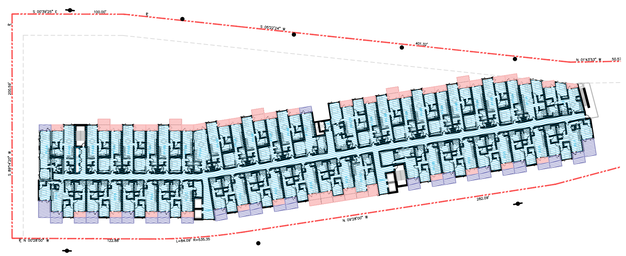
BLDG 'A' // LEVEL 03



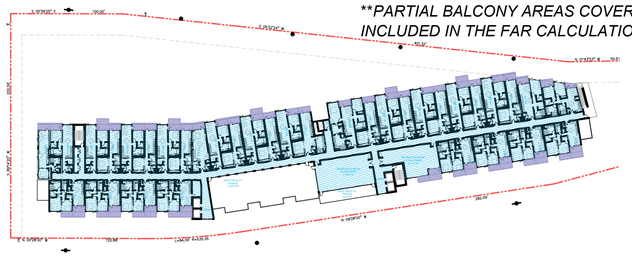
BLDG 'A' // LEVEL 04



BLDG 'A' // LEVEL 05



BLDG 'A' // LEVEL 06



BLDG 'A' // LEVEL 07

BLDG 'B' // LEVEL 01

BLDG 'B' // LEVEL 02

BLDG 'B' // LEVEL 03

BLDG 'B' // LEVEL 04

BLDG 'B' // LEVEL 05

BLDG 'B' // LEVEL 06

BLDG 'B' // LEVEL R

FLOOR AREA RATIO

REQUIRED

SITE AREA: 107,100 SF (2.459 AC)

FLOOR AREA REQUIREMENTS

(Amended by Ord. No. 182,386, Eff. 3/13/13.) The area in square feet confined within the exterior walls of a Building, but not including the area of the following: exterior walls, stairways, shafts, rooms housing Building-operating equipment or machinery, parking areas with associated driveways and ramps, space dedicated to bicycle parking, space for the landing and storage of helicopters, and Basement storage areas.

BUILDING A // FLOOR AREA RATIO			
FLOOR / LEVEL	APARTMENT UNITS	BALC. AREA Covered + 2 Sided (INCL. FAR)	TOTAL FLOOR AREA
Level G1	0 UNITS	0 SF	**0 SF**
Level G2	0 UNITS	0 SF	**6,304 SF**
Level 1 (G3)	6 UNITS	288 SF	**9,774 SF**
Level 2	51 UNITS	3,057 SF	**39,925 SF**
Level 3	53 UNITS	2,863 SF	**39,907 SF**
Level 4	51 UNITS	2,330 SF	**40,362 SF**
Level 5	42 UNITS	2,420 SF	**37,847 SF**
Level 6	41 UNITS	2,689 SF	**35,819 SF**
Level 7	35 UNITS	0 SF	**31,751 SF**
Total	**279 UNITS**	13,647 SF	**241,689 SF**

BUILDING B // FLOOR AREA RATIO			
FLOOR / LEVEL	APARTMENT UNITS	BALC. AREA Covered + 2 Sided (INCL. FAR)	TOTAL FLOOR AREA
Level G1	0 UNITS	0 SF	**0 SF**
Level 1	0 UNITS	0 SF	**10,353 SF**
Level 2	9 UNITS	700 SF	**9,936 SF**
Level 3	9 UNITS	675 SF	**9,909 SF**
Level 4	9 UNITS	428 SF	**9,738 SF**
Level 5	9 UNITS	482 SF	**9,770 SF**
Level 6	9 UNITS	160 SF	**8,088 SF**
Level 7	3 UNITS	0 SF	**5,725 SF**
Total	**48 UNITS**	2,445 SF	**63,519 SF**

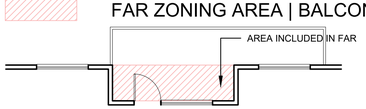
FAR TABLE		
LOT SIZE: 107,100 SQFT		
	FAR	SQFT PERMITTED
C2-1D ZONE	1.5 :1	160,650 SF
AB 2345 / LAMC	3.0:1	321,300 SF
PROPOSED	**3.0 :1**	**321,300 SF**

COLOR LEGEND

FAR ZONING AREA | INTERIOR

EXEMPT FROM FAR | BALCONIES

FAR ZONING AREA | BALCONIES



***PARTIAL BALCONY AREAS COVERED ON 3 SIDES ARE INCLUDED IN THE FAR CALCULATION*

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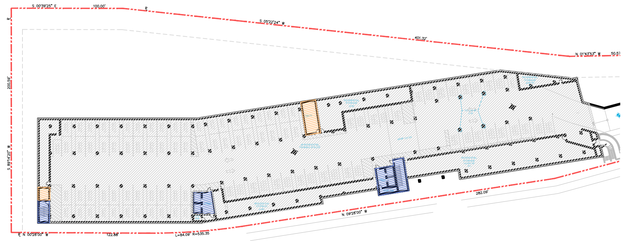
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

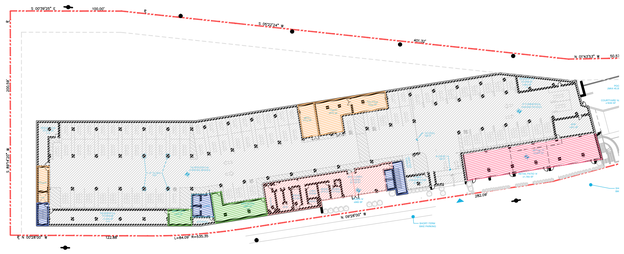
0 32 64 128
Scale: 1" = 64'-0"

FAR EXHIBIT

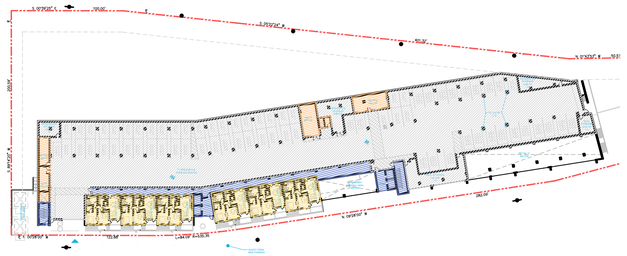
A1-3



BLDG 'A' // LEVEL G1



BLDG 'A' // LEVEL G2



BLDG 'A' // LEVEL 1 (G3)

BLDG 'A' // LEVEL 02

BLDG 'A' // LEVEL 03

BLDG 'A' // LEVEL 04

BLDG 'A' // LEVEL 05

BLDG 'A' // LEVEL 06

BLDG 'A' // LEVEL 07

COLOR LEGEND

1. RESIDENTIAL AREA
2. RETAIL AREA
3. AMENITY AREA
4. CIRCULATION & COMMON AREAS
5. PARKING AREA
6. SERVICE AREA
7. LOBBY / MAIL

BUILDING AREA

LEVEL G1

- CIRCULATION:	1314 SQ. FT.
- SERVICE:	537 SQ. FT.
- PARKING:	42786 SQ. FT.
TOTAL:	44637 SQ. FT.

LEVEL G2

- CIRCULATION:	1054 SQ. FT.
- AMENITY:	1154 SQ. FT.
- LOBBY / MAIL:	2855 SQ. FT.
- RETAIL:	2919 SQ. FT.
- SERVICE:	2092 SQ. FT.
- PARKING:	34830 SQ. FT.
TOTAL:	44905 SQ. FT.

LEVEL 1 (G3)

- RESIDENTIAL:	4860 SQ. FT.
- CIRCULATION:	2863 SQ. FT.
- SERVICE:	1665 SQ. FT.
- PARKING:	30998 SQ. FT.
TOTAL:	40387 SQ. FT.

LEVEL 02

- RESIDENTIAL:	34405 SQ. FT.
- AMENITY:	1681 SQ. FT.
- CIRCULATION:	4935 SQ. FT.
- SERVICE:	345 SQ. FT.
TOTAL:	41367 SQ. FT.

LEVEL 03

- RESIDENTIAL:	35988 SQ. FT.
- CIRCULATION:	4979 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	41172 SQ. FT.

LEVEL 04

- RESIDENTIAL:	34869 SQ. FT.
- AMENITY:	1681 SQ. FT.
- CIRCULATION:	4903 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	41658 SQ. FT.

LEVEL 05

- RESIDENTIAL:	33993 SQ. FT.
- CIRCULATION:	4946 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	39144 SQ. FT.

LEVEL 06

- RESIDENTIAL:	32099 SQ. FT.
- CIRCULATION:	4677 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	36981 SQ. FT.

LEVEL 07

- RESIDENTIAL:	25146 SQ. FT.
- AMENITY:	2553 SQ. FT.
- CIRCULATION:	4769 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	32673 SQ. FT.

BUILDING AREA TOTAL: ±362,924 SQ. FT.

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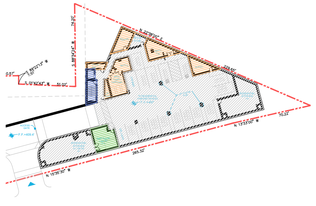
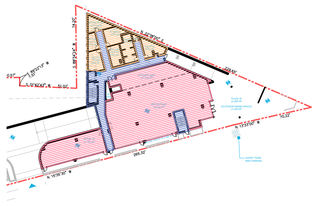
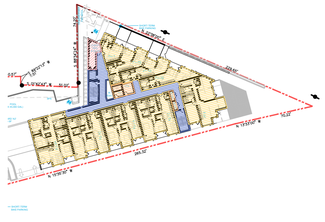
CBC BUILDING AREA EXHIBIT
BUILDING 'A'



BLDG 'B' // LEVEL G1



BLDG 'B' // LEVEL 01



BLDG 'B' // LEVEL 02

BLDG 'B' // LEVEL 03

BLDG 'B' // LEVEL 04

BLDG 'A' // LEVEL 05

BLDG 'B' // LEVEL 06

BLDG 'B' // LEVEL 07

COLOR LEGEND

1. RESIDENTIAL AREA
2. RETAIL AREA
3. AMENITY AREA
4. CIRCULATION & COMMON AREAS
5. PARKING AREA
6. SERVICE AREA
7. LOBBY / MAIL

BUILDING AREA

LEVEL G1

- CIRCULATION:	299 SQ. FT.
- SERVICE:	1637 SQ. FT.
- AMENITY:	460 SQ. FT.
- PARKING:	9154 SQ. FT.
TOTAL:	11551 SQ. FT.

LEVEL 01

- CIRCULATION:	1661 SQ. FT.
- COMMERCIAL:	6542 SQ. FT.
- SERVICE:	1840 SQ. FT.
TOTAL:	10043 SQ. FT.

LEVEL 02

- RESIDENTIAL:	8153 SQ. FT.
- LOBBY / MAIL:	235 SQ. FT.
- CIRCULATION:	1650 SQ. FT.
- SERVICE:	293 SQ. FT.
TOTAL:	10330 SQ. FT.

LEVEL 03

- RESIDENTIAL:	8428 SQ. FT.
- CIRCULATION:	1578 SQ. FT.
- SERVICE:	293 SQ. FT.
TOTAL:	10299 SQ. FT.

LEVEL 04

- RESIDENTIAL:	8246 SQ. FT.
- CIRCULATION:	1578 SQ. FT.
- SERVICE:	293 SQ. FT.
TOTAL:	10116 SQ. FT.

LEVEL 05

- RESIDENTIAL:	7366 SQ. FT.
- CIRCULATION:	1518 SQ. FT.
- SERVICE:	253 SQ. FT.
TOTAL:	9137 SQ. FT.

LEVEL 06

- RESIDENTIAL:	6675 SQ. FT.
- CIRCULATION:	1518 SQ. FT.
- SERVICE:	253 SQ. FT.
TOTAL:	8446 SQ. FT.

LEVEL 07

- RESIDENTIAL:	2568 SQ. FT.
- CIRCULATION:	1425 SQ. FT.
- SERVICE:	253 SQ. FT.
TOTAL:	4246 SQ. FT.

BUILDING AREA TOTAL: ±74,168 SQ. FT.

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FEBRUARY 6, 2024

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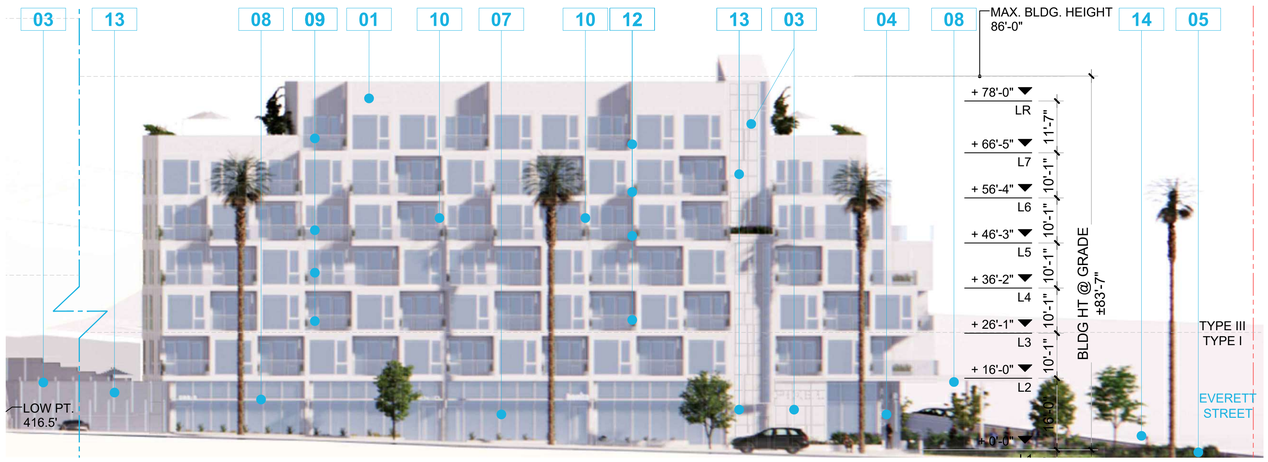
Scale: 1" = 64'-0"

CBC BUILDING AREA EXHIBIT
BUILDING 'B'

BUILDING A + B | COMPOSITE ELEVATION 'A' // WEST
SCALE: 1/32" = 1'-0"

BUILDING A | ELEVATION 'A' // WEST



BUILDING B | ELEVATION 'A' // WEST

CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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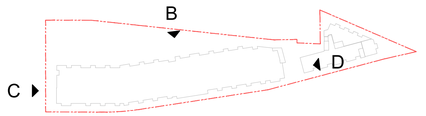
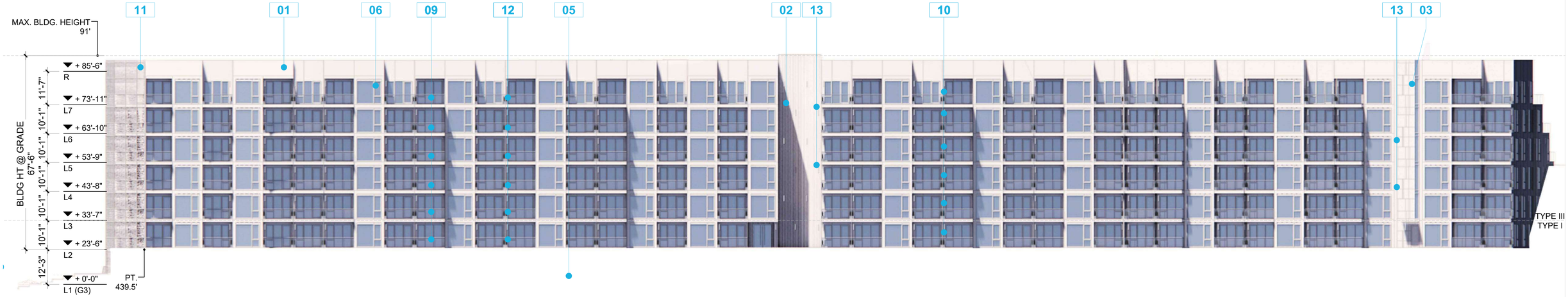
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

BUILDING ELEVATIONS
BUILDINGS 'A' + 'B' // WEST

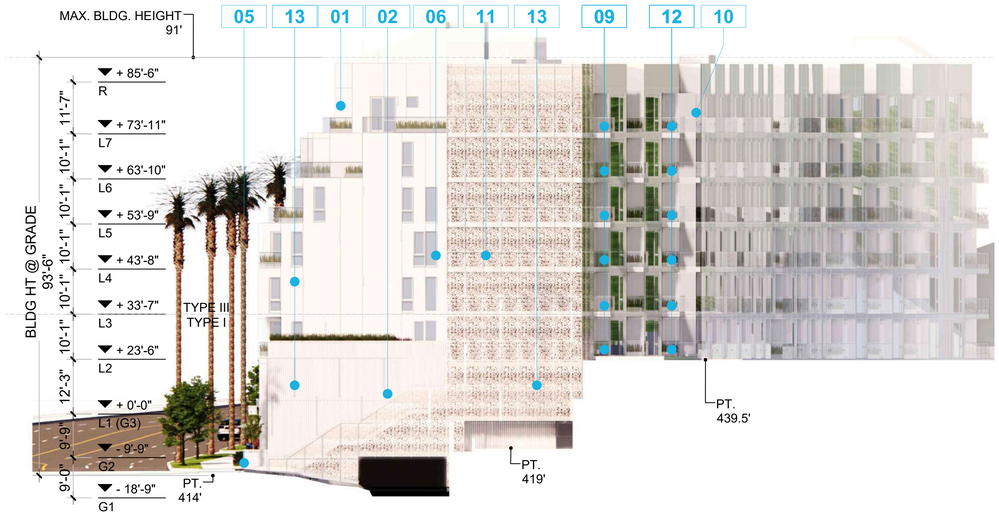
A2-0





BUILDING A | ELEVATION 'B' // EAST

BUILDING A | ELEVATION 'C' // NORTH



BUILDING A | ELEVATION 'D' // SOUTH

CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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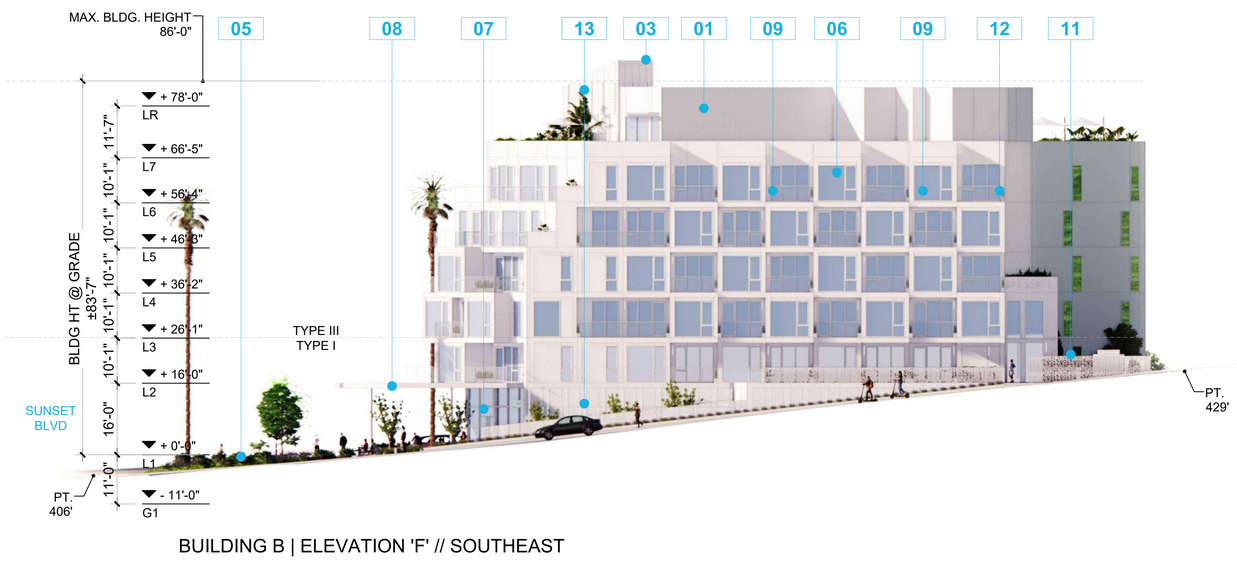
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

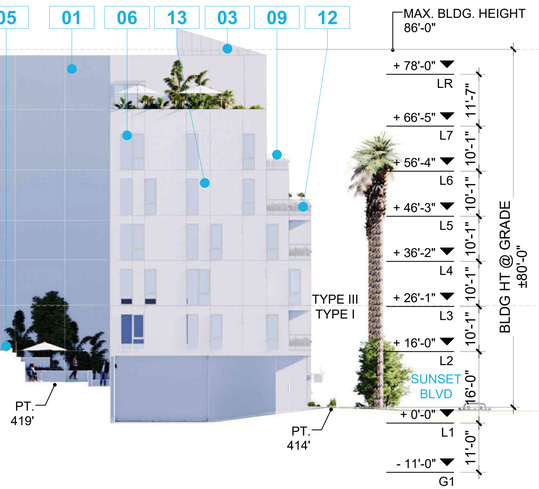
BUILDING ELEVATIONS
BUILDING 'A' // NORTH + EAST + SOUTH

A2-1

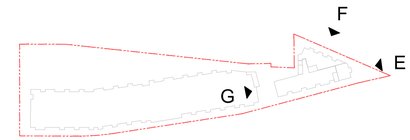
BUILDING B | ELEVATION 'E' // SOUTH



BUILDING B | ELEVATION 'F' // SOUTHEAST



BUILDING B | ELEVATION 'G' // NORTH



CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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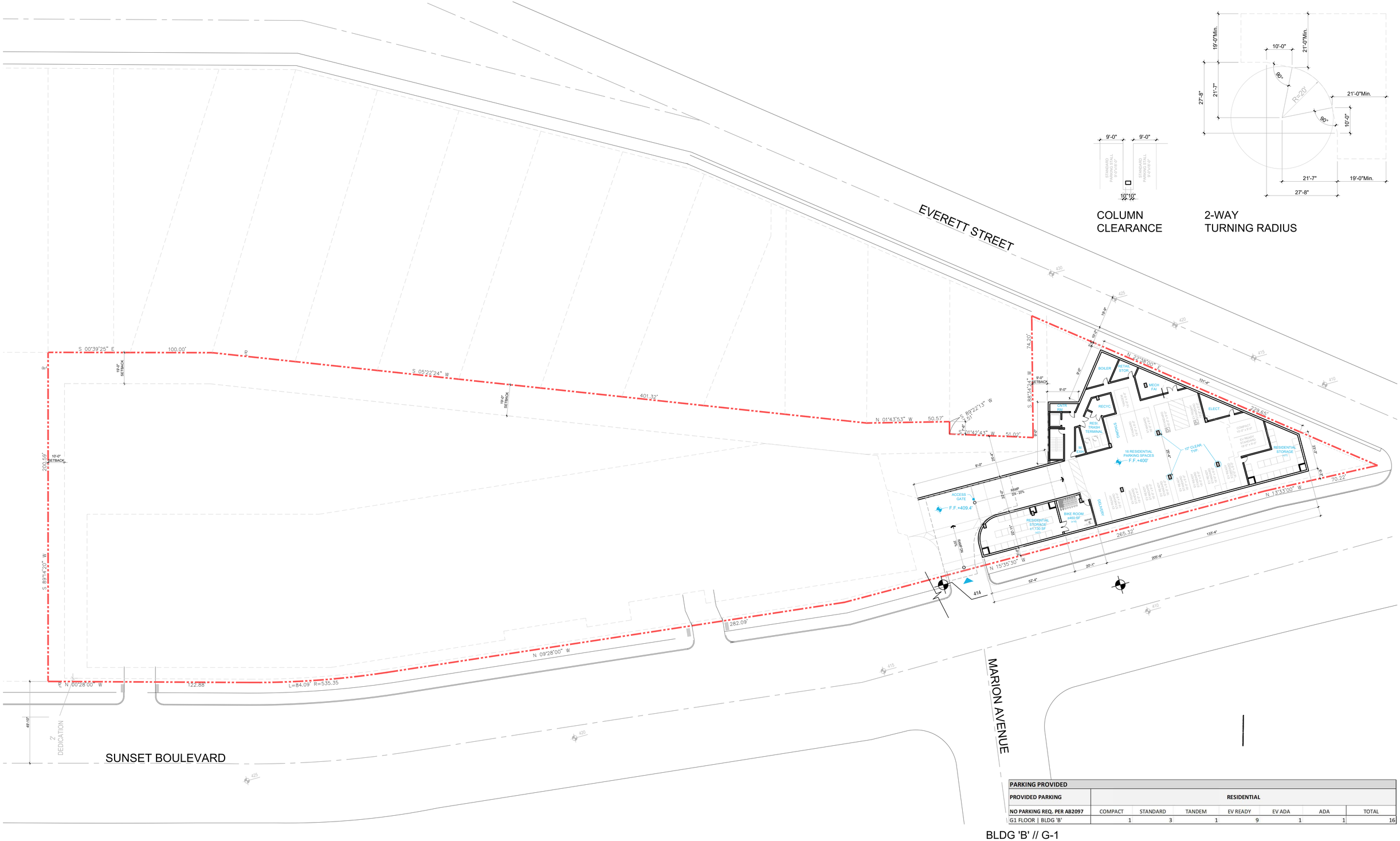
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

BUILDING ELEVATIONS
BUILDING 'B' // NORTH + EAST + SOUTH

A2-2



COLUMN CLEARANCE

2-WAY TURNING RADIUS

PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G1 FLOOR | BLDG 'B'	1	3	1	9	1	1	16

BLDG 'B' // G-1

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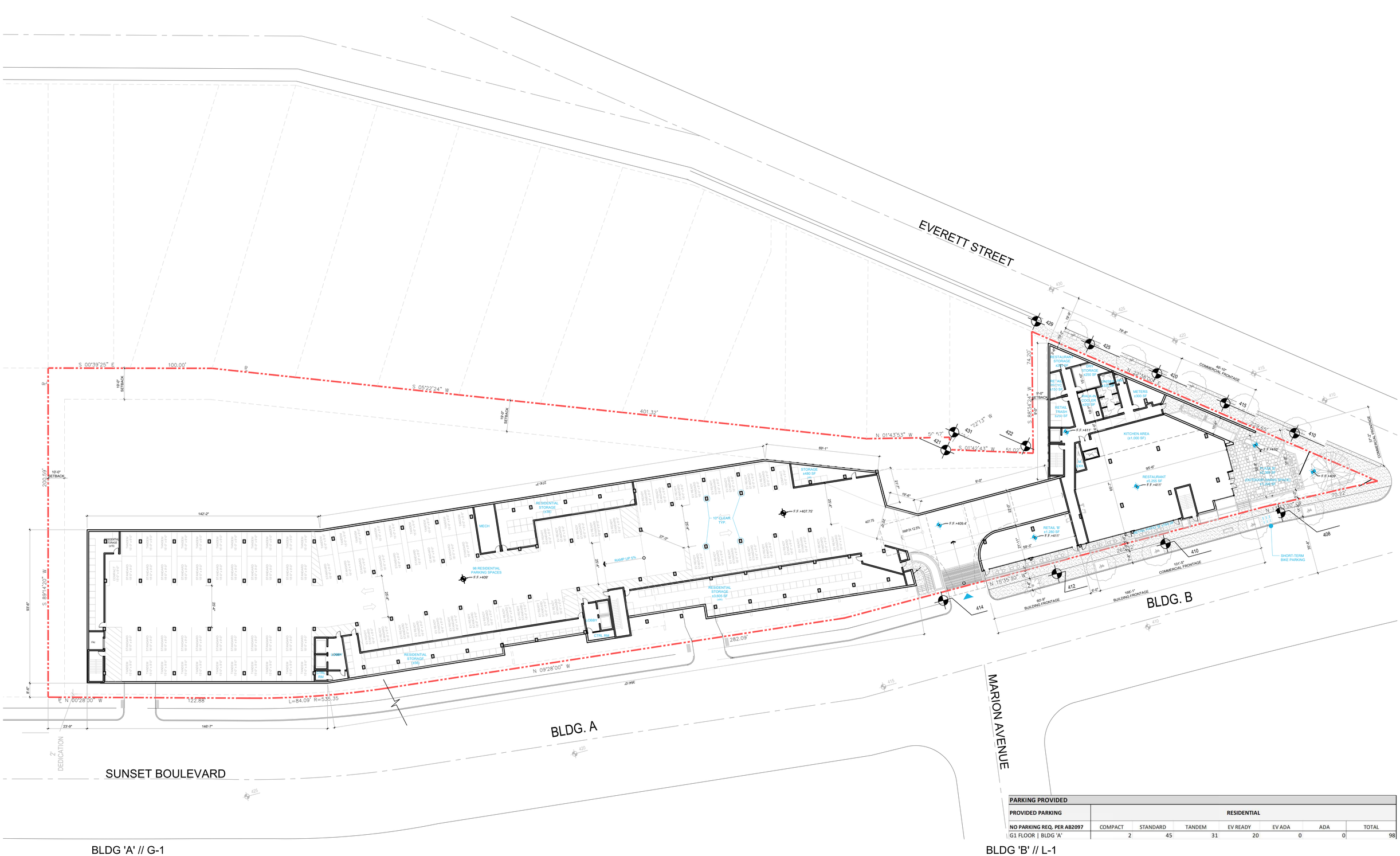
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'B' // G-1

A3-0



PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G1 FLOOR | BLDG 'A'	2	45	31	20	0	0	98

BLDG 'A' // G-1

BLDG 'B' // L-1

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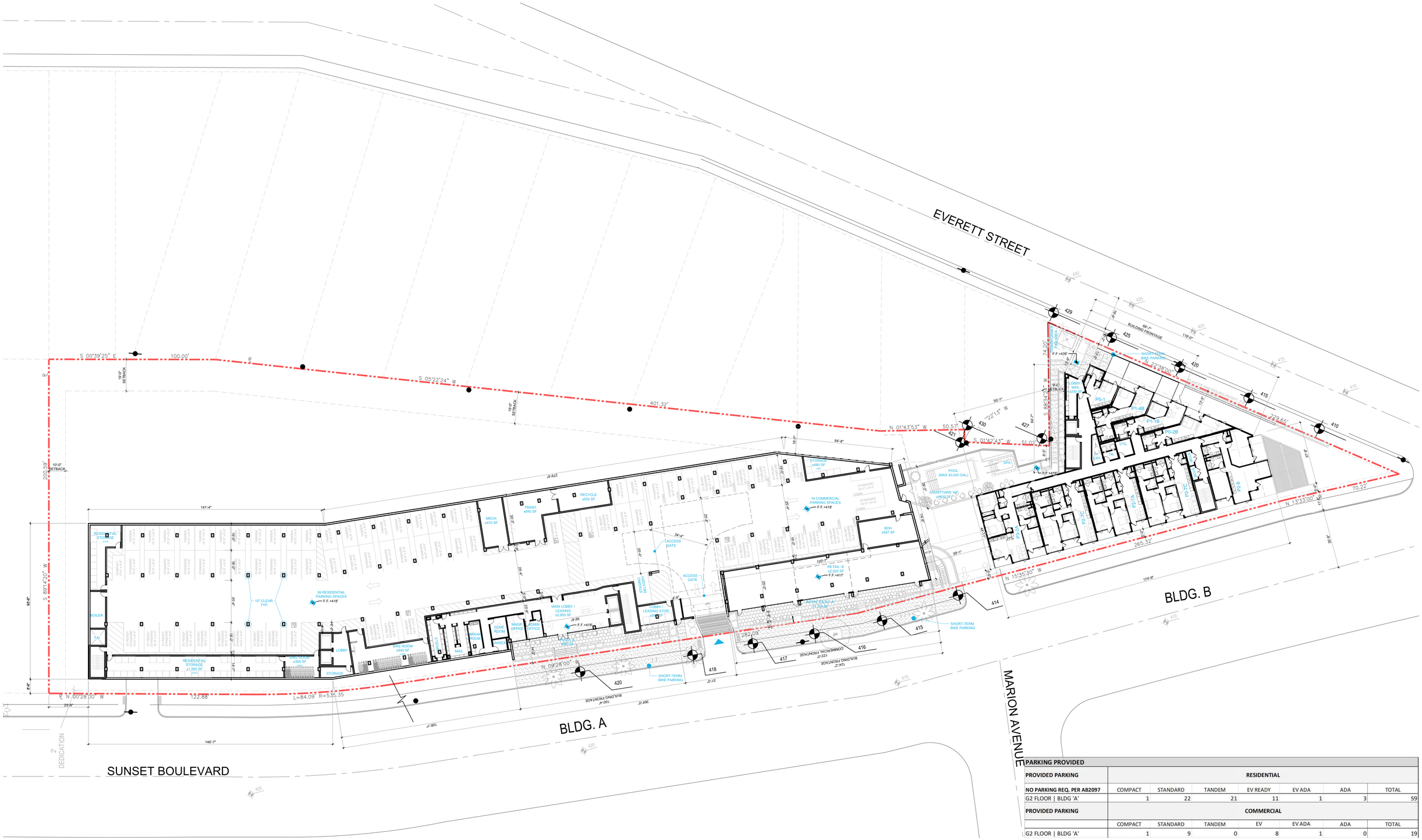
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : G-1 // BLDG 'B' : L-1

A3-1



PARKING PROVIDED							
PROVIDED PARKING	**RESIDENTIAL**						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	22	21	11	1	3	59
PROVIDED PARKING	**COMMERCIAL**						
	COMPACT	STANDARD	TANDEM	EV	EV ADA	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	9	0	8	1	0	19

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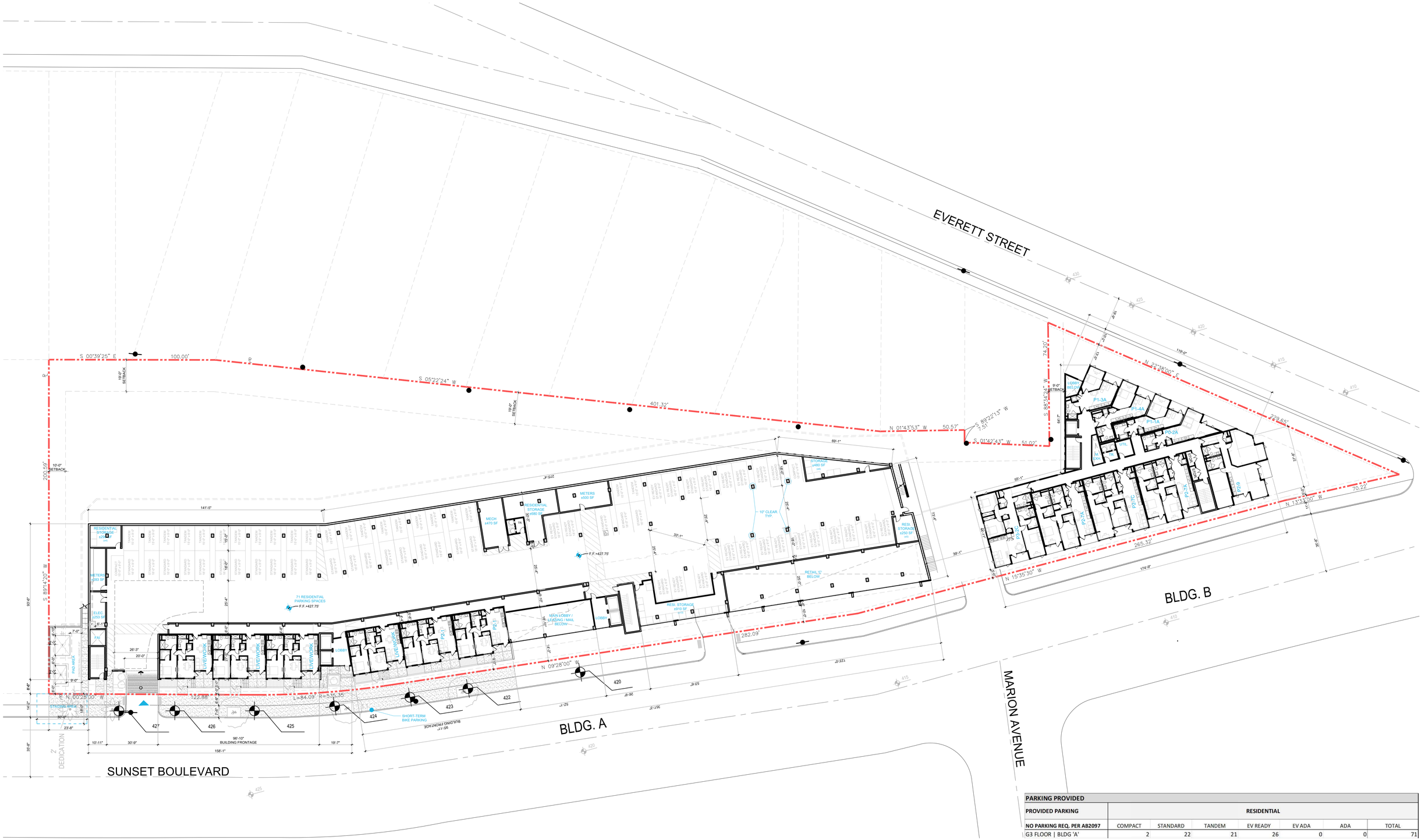
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : G-2 // BLDG 'B' : L-2

A3-2



PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G3 FLOOR | BLDG 'A'	2	22	21	26	0	0	71

BLDG 'A' // L-1 (G-3)

BLDG 'B' // L-3

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FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : G-3 // BLDG 'B' : L-3

A3-3

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FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-1 // BLDG 'B' : L-4

A3-4

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FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-2 // BLDG 'B' : L-5

A3-5

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CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-3 // BLDG 'B' : L-6

A3-6

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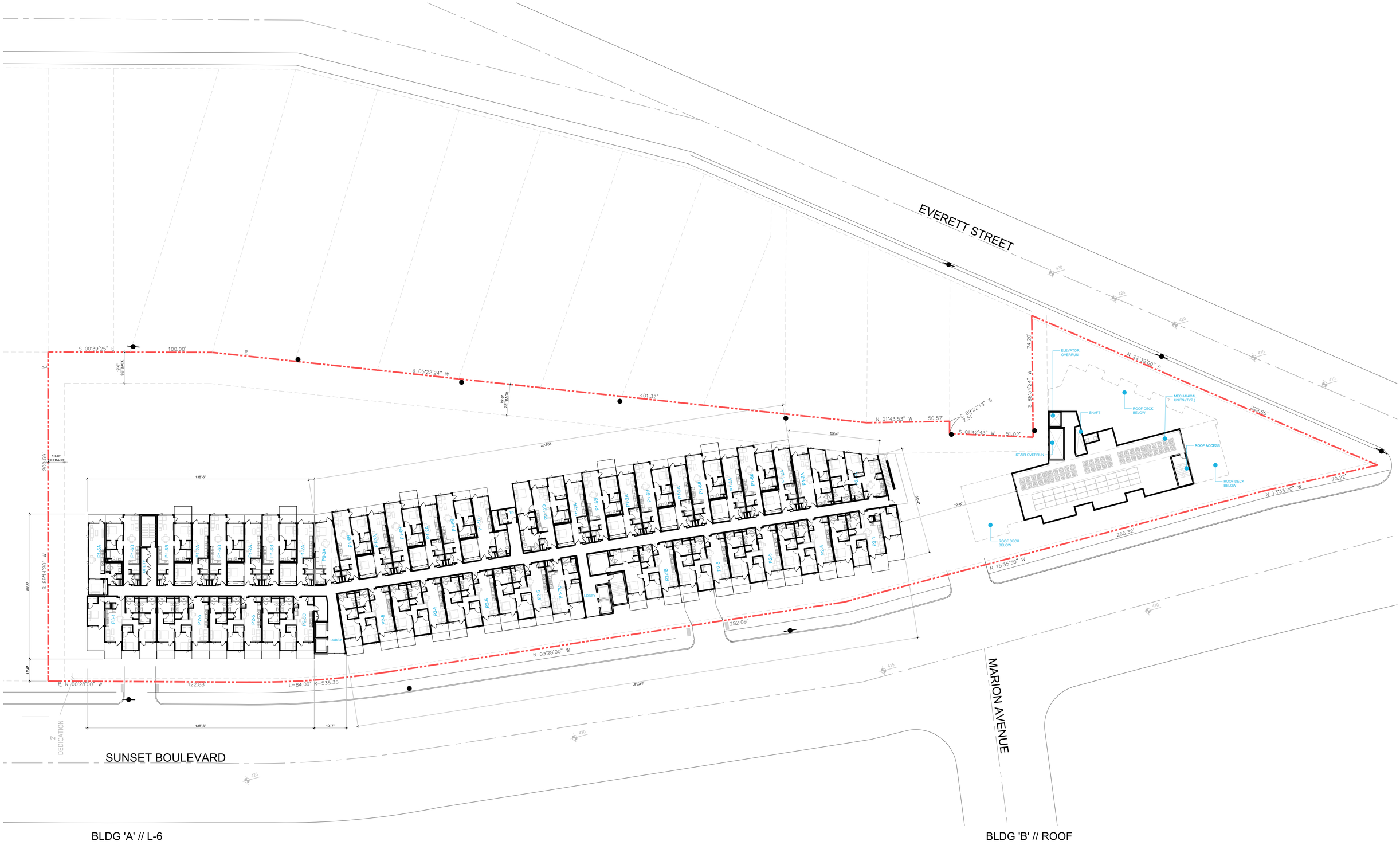
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-4 // BLDG 'B' : ROOF

A3-7



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CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-5

A3-8

EVERETT STREET

SUNSET BOULEVARD

MARION AVENUE

BLDG 'A' // L-7

S 00°39'25" E	100.00'	
S 05°22'24" W	401.32'	
N 01°43'53" W	50.57'	
S 89°22'13" W	1.51'	
S 01°42'43" W	51.02'	
S 89°14'20" W	74.00'	
N 22°36'00" E	229.65'	
N 13°33'00" W	70.22'	
N 15°35'30" W	265.32'	
N 09°28'00" W	282.09'	
N 00°28'00" W	122.88'	
L=84.09' R=535.35'		
S 89°14'20" W	200.59'	

10'-0" SETBACK

19'-6" SETBACK

19'-6" SETBACK

2' DEDICATION

RECREATION ROOM (CLUB ROOM) ±1,442 SF

ROOF DECK 'A' PASSIVE ±2,975 SF

ROOF DECK 'B' PASSIVE ±511 SF

RECREATION ROOM (CLUB LOUNGE) ±1,111 SF

LOBBY

LOBBY

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CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-6

A3-9

EVERETT STREET

SUNSET BOULEVARD

MARION AVENUE

S 00°39'25" E 100.00'

10'-0" SETBACK

S 05°22'24" W 401.32'

10'-0" SETBACK

N 01°43'53" W 50.57'

S 89°22'13" W 1.51'

S 01°42'43" W 51.02'

S 89°14'20" W 74.00'

N 22°36'00" E 229.65'

N 13°33'00" W 70.22'

N 15°35'30" W 265.32'

N 09°28'00" W 282.09'

N 80°26'00" W 122.88'

L=84.09' R=535.35'

10'-0" SETBACK

200'-5"

S 89°14'20" W 78'-5"

23'-6"

138'-6"

138'-0"

19'-7"

2' DEDICATION

ROOF ACCESS

SLOPE

SHAFT

SLOPE

SLOPE

SLOPE

SLOPE

MECHANICAL UNITS (TYP.)

GROSS ROOF AREA
32734 SQ. FT.

TYP. HVAC ±4' TALL

ROOF DECK BELOW

ELEVATOR OVERRUN

ROOF ACCESS

ELEVATOR OVERRUN

BLDG 'A' // ROOF

BLDG 'B' // G-1

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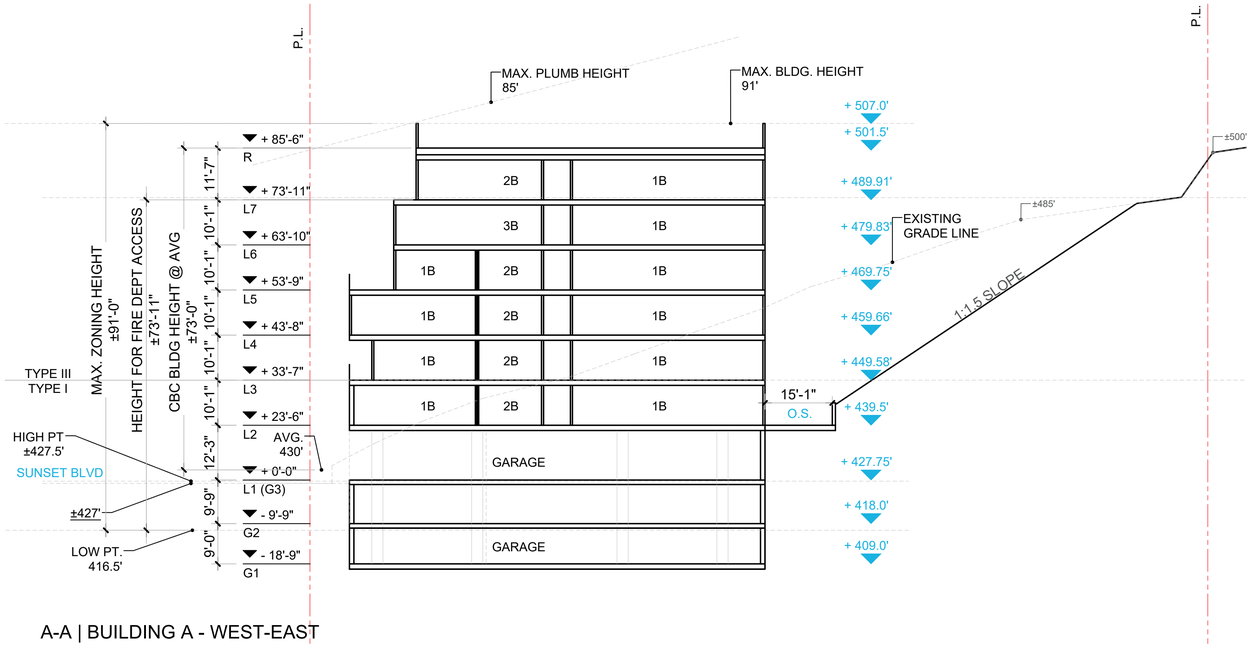
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

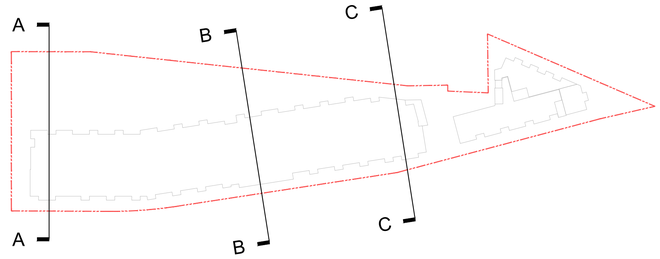
0 12 1/2 25 50
Scale: 1" = 25'-0"

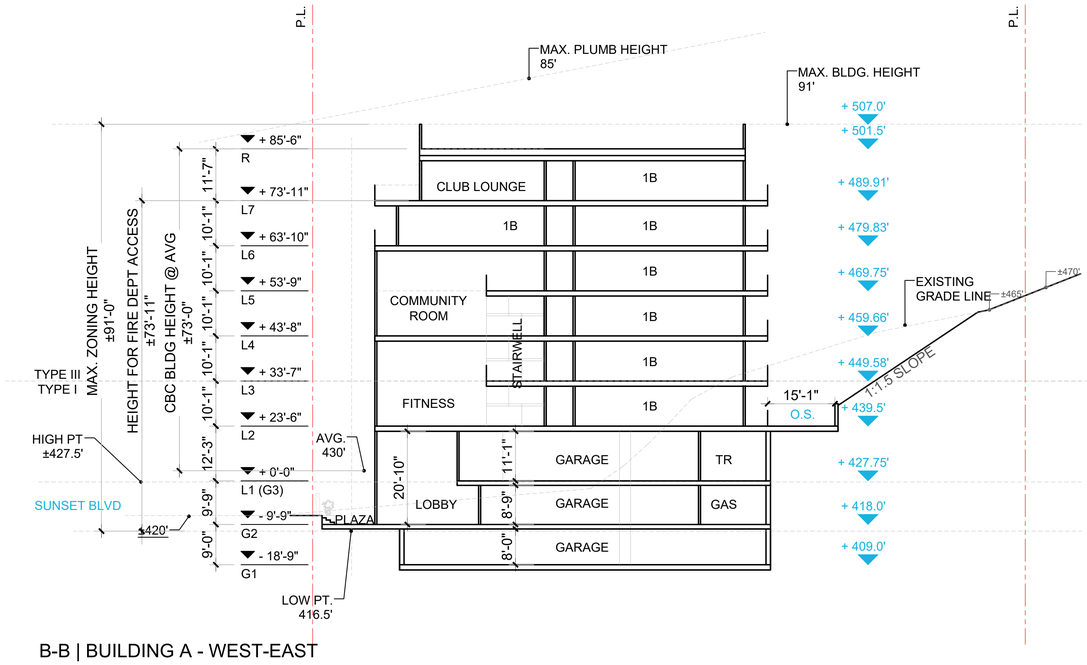
CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-R

A3-10

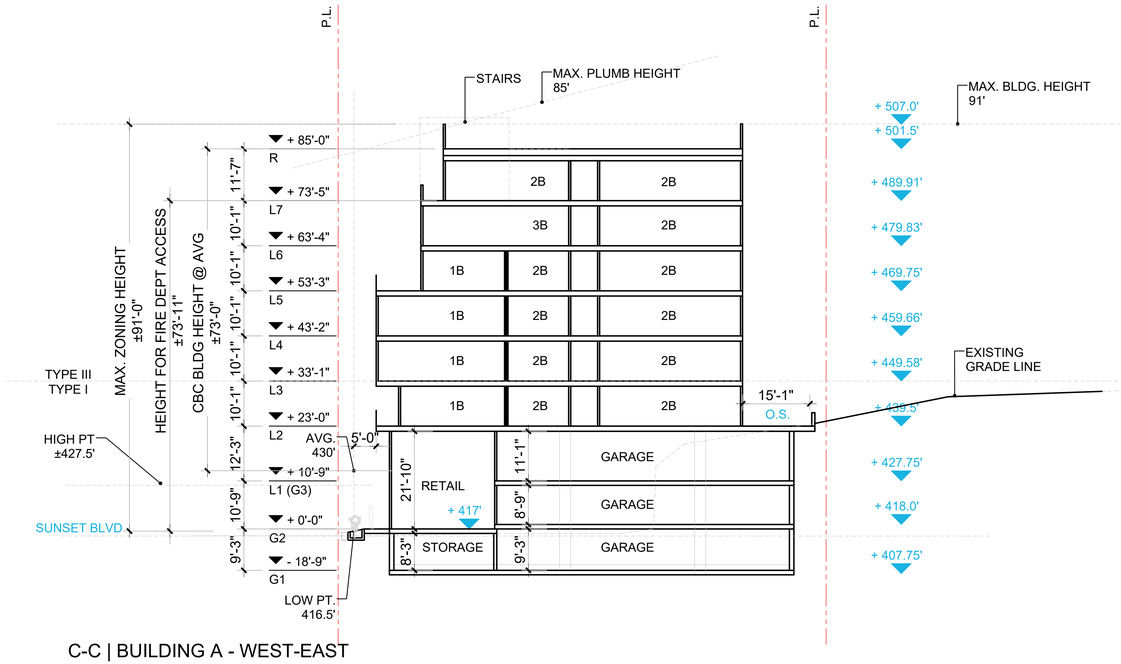


A-A | BUILDING A - WEST-EAST





B-B | BUILDING A - WEST-EAST



C-C | BUILDING A - WEST-EAST

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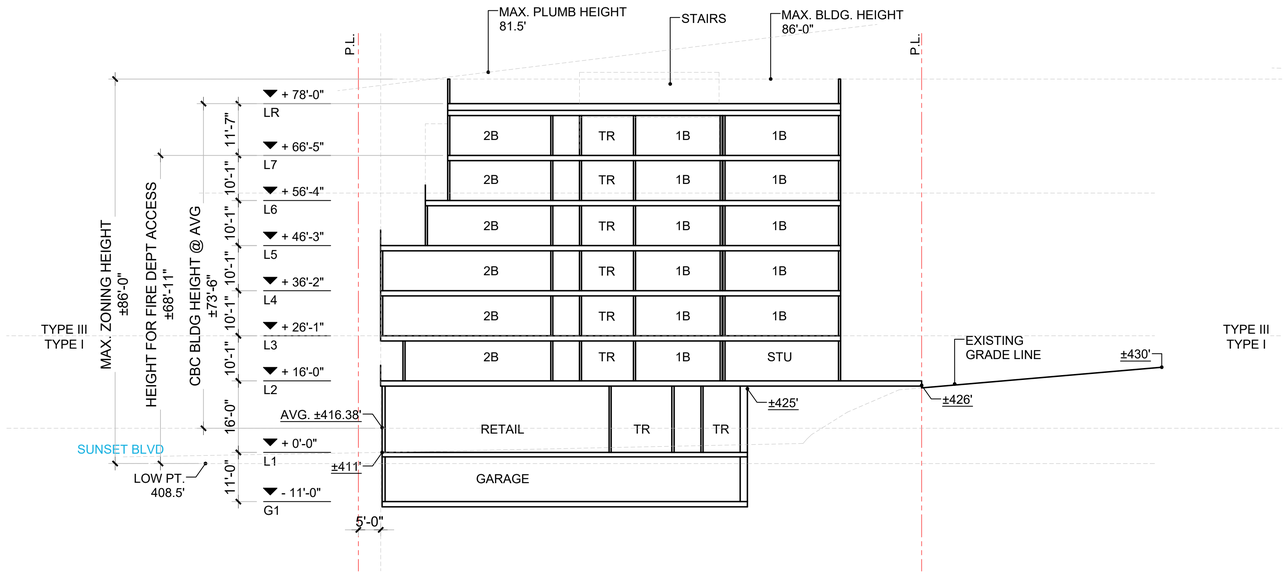
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

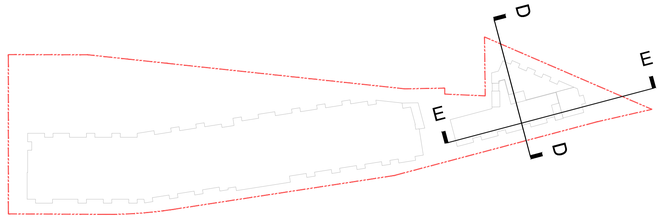
0 8 16 32

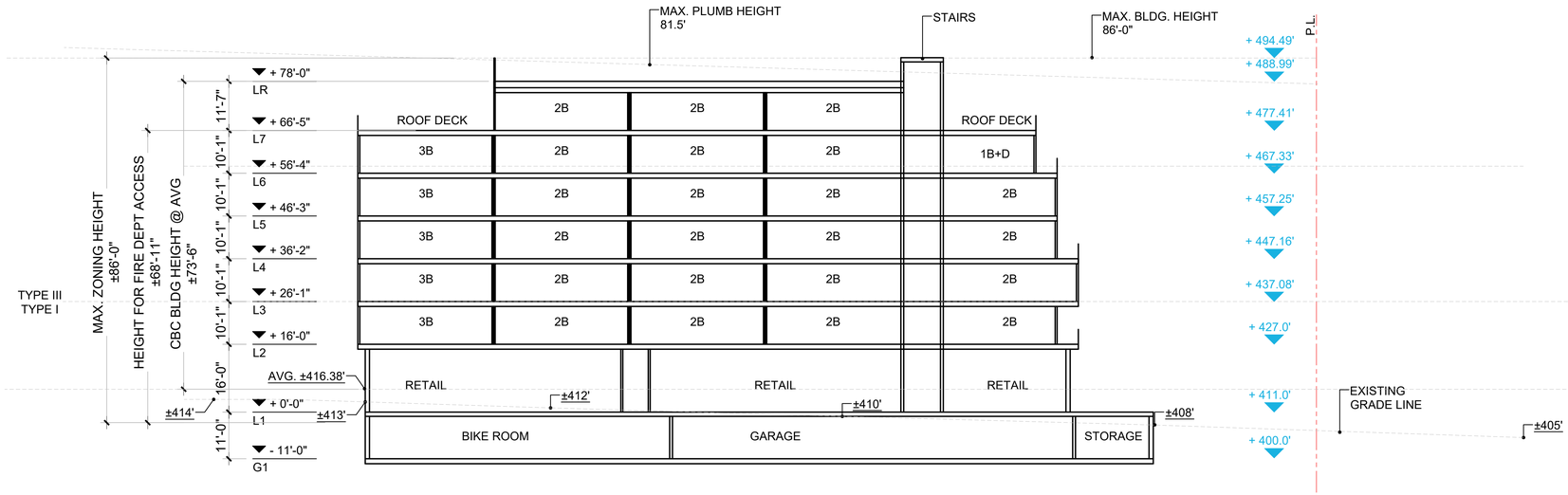
BUILDING SECTIONS
BUILDING A

A4-0



D-D | BUILDING B - WEST-EAST





E-E | BUILDING B - NORTH-SOUTH

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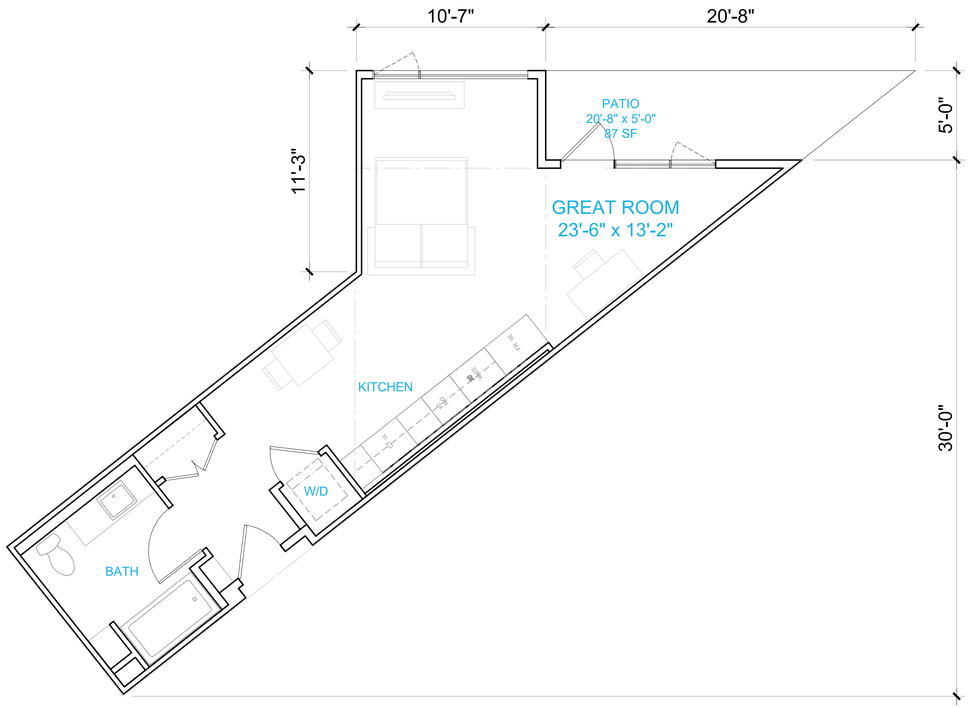
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

BUILDING SECTIONS
BUILDING 'B'

A4-1

PLAN 0-1
STUDIO
1 BATH
368 SF



PLAN 0-2A
STUDIO
1 BATH
519 SF

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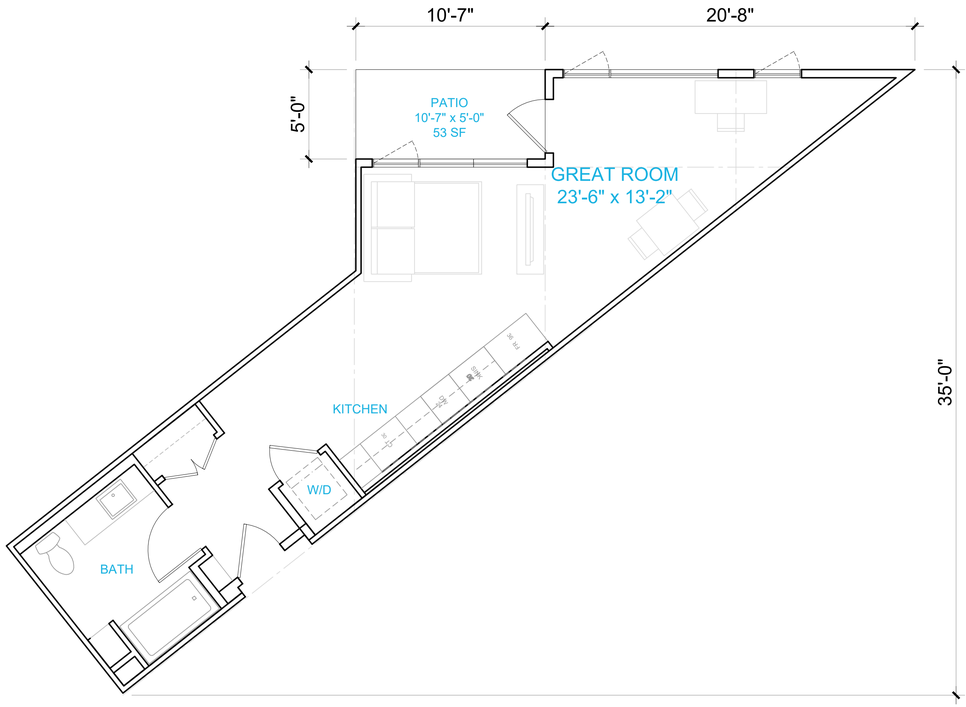
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

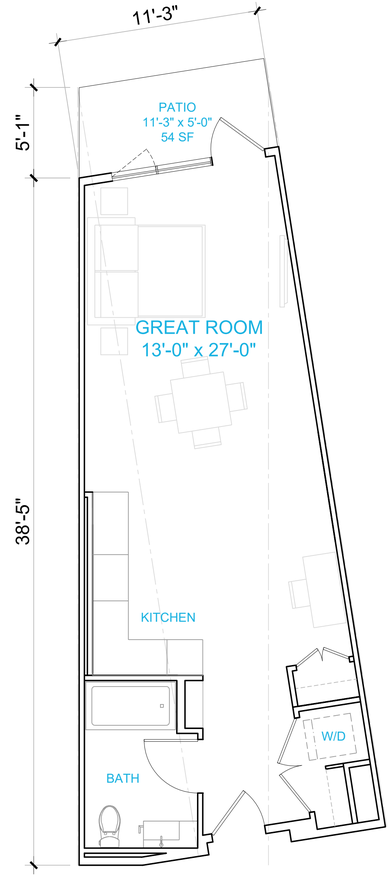
0 2 4 8

UNIT PLANS
STUDIO

A5-0



PLAN 0-2B
STUDIO
1 BATH
554 SF



PLAN 0-3A
STUDIO
1 BATH
552 SF

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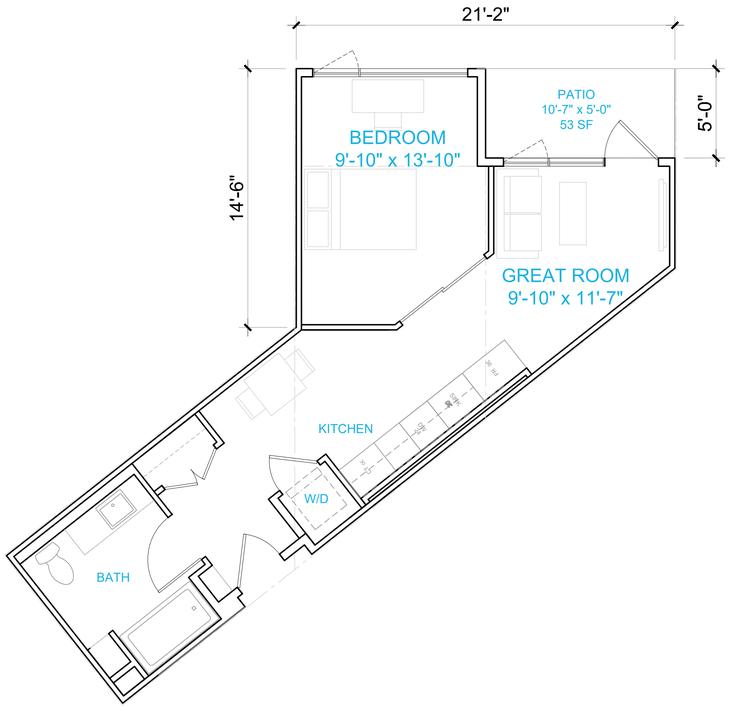
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

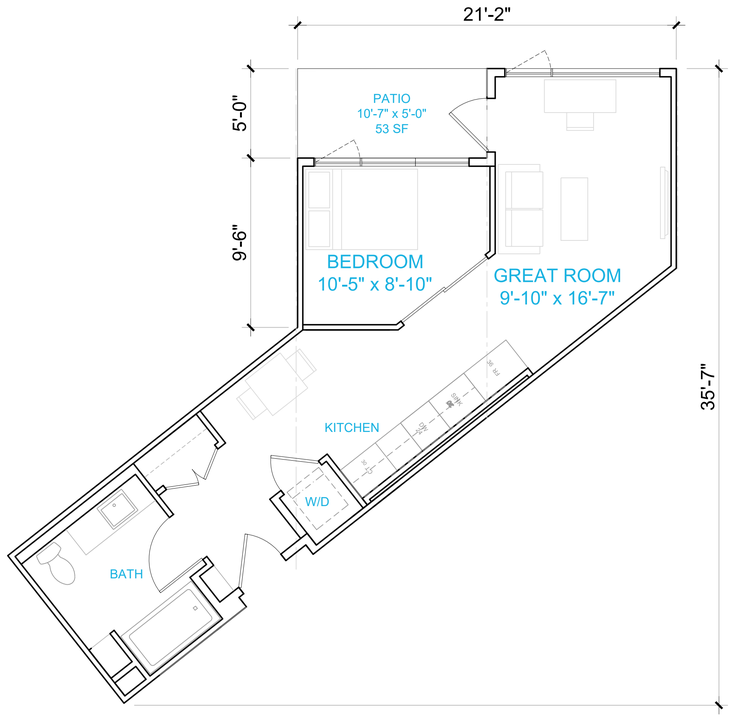
0 2 4 8

UNIT PLANS
STUDIO

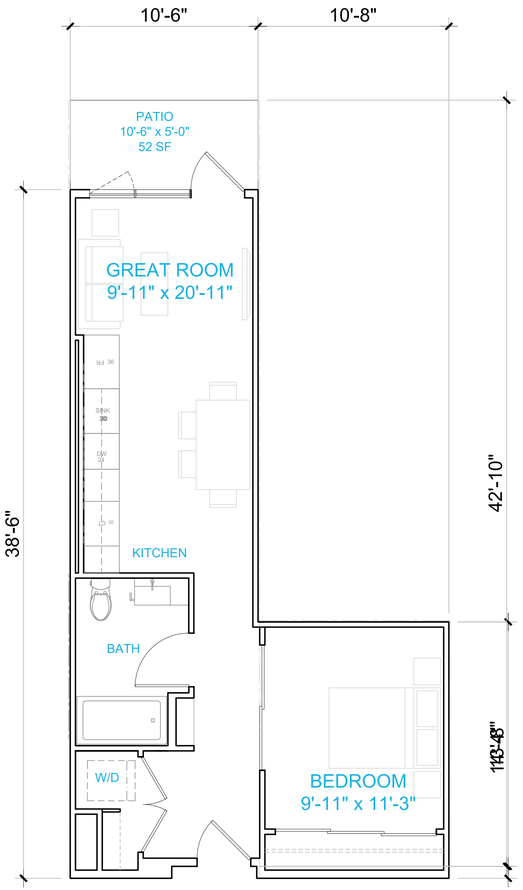
A5-1



PLAN 1-1A
1 BED
1 BATH
537 SF



PLAN 1-1B
1 BED
1 BATH
537 SF



PLAN 1-2A
1 BED
1 BATH
561 SF

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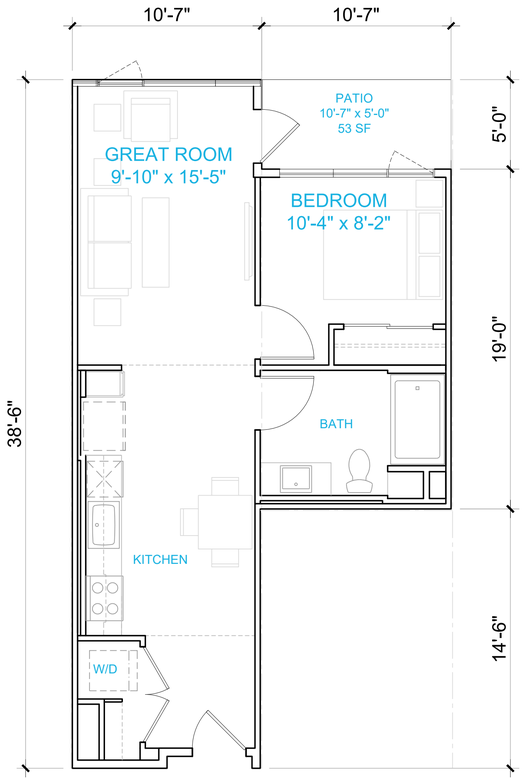
FEBRUARY 6, 2024

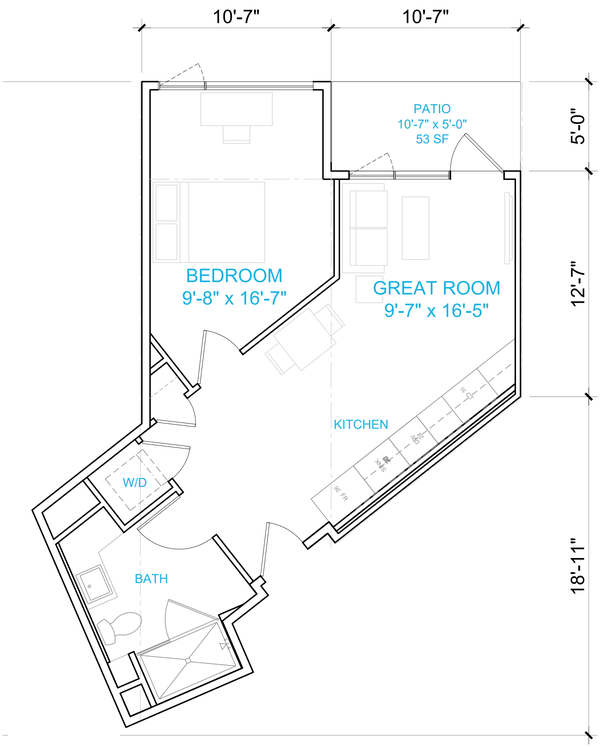
0 2 4 8

UNIT PLANS
1-BEDROOM

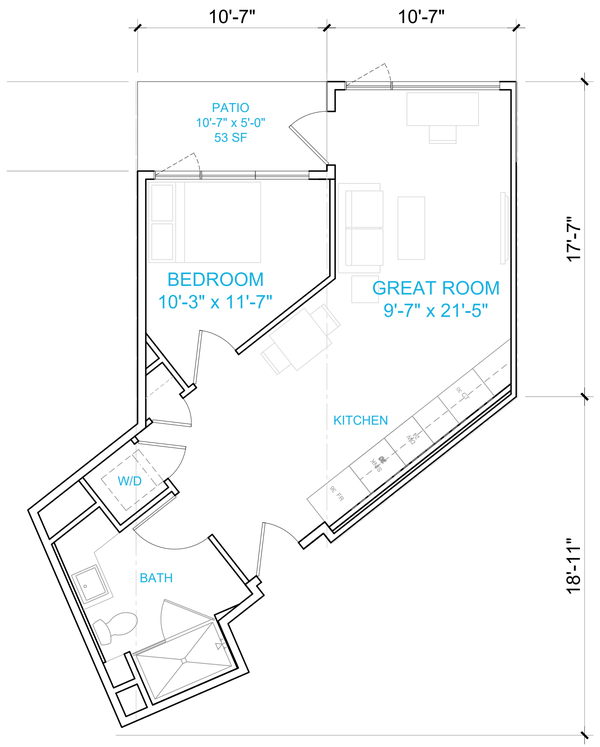
A5-2



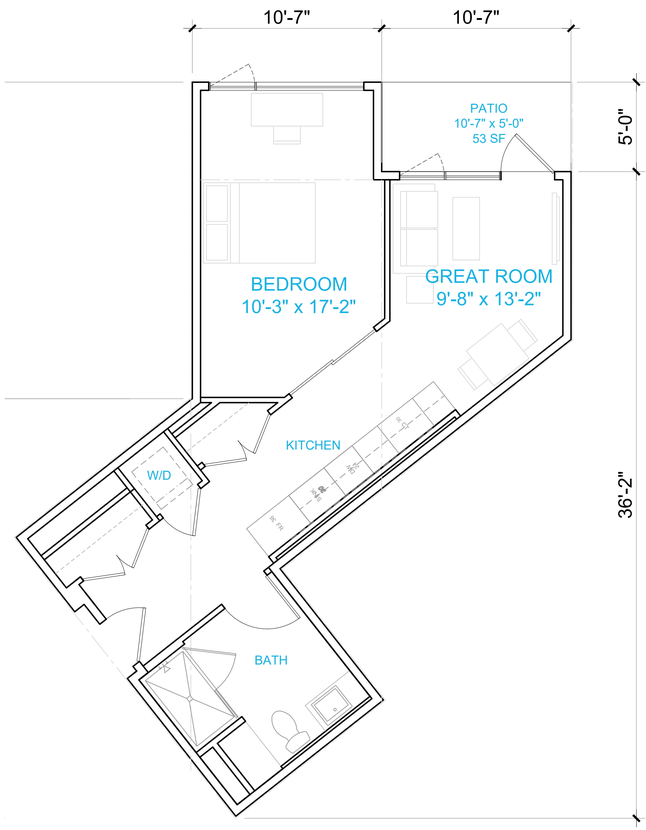
PLAN 1-2C
1 BED
1 BATH
611 SF



PLAN 1-3A
1 BED
1 BATH
579 SF



PLAN 1-3B
1 BED
1 BATH
578 SF



PLAN 1-4A
1 BED
1 BATH
619 SF

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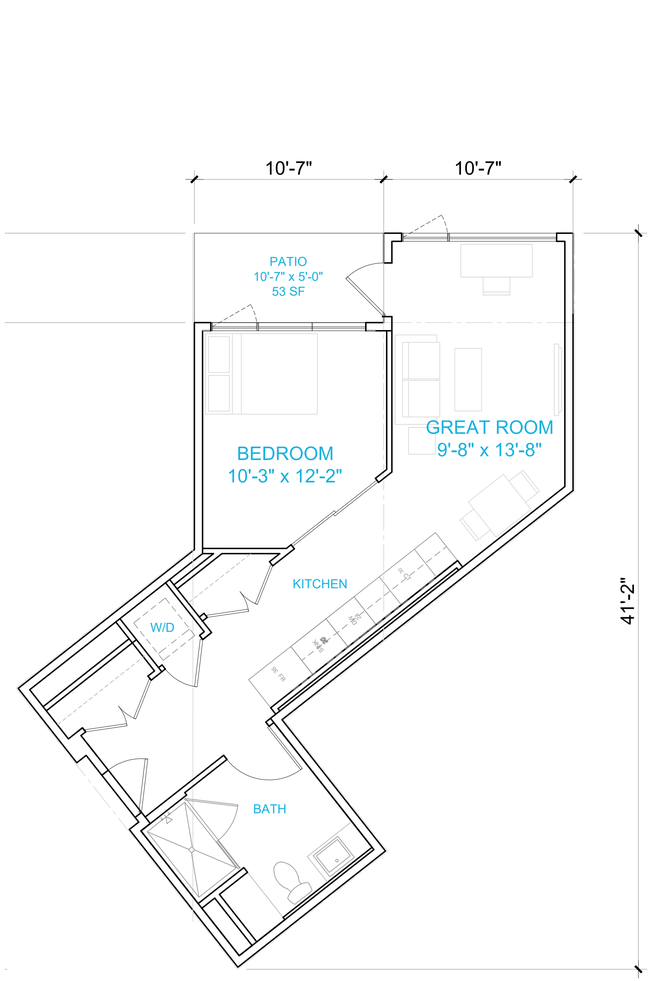
FEBRUARY 6, 2024

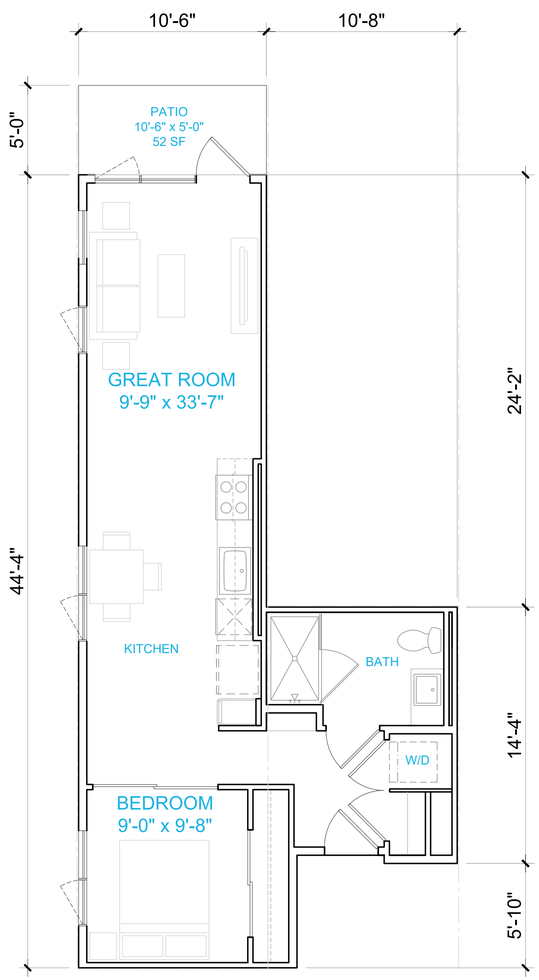
0 2 4 8

UNIT PLANS
1-BEDROOM

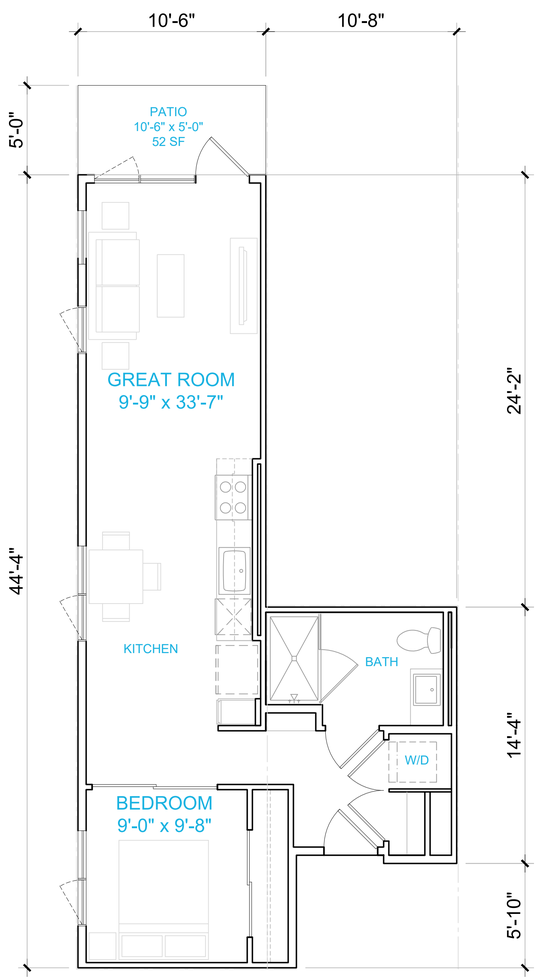
A5-3



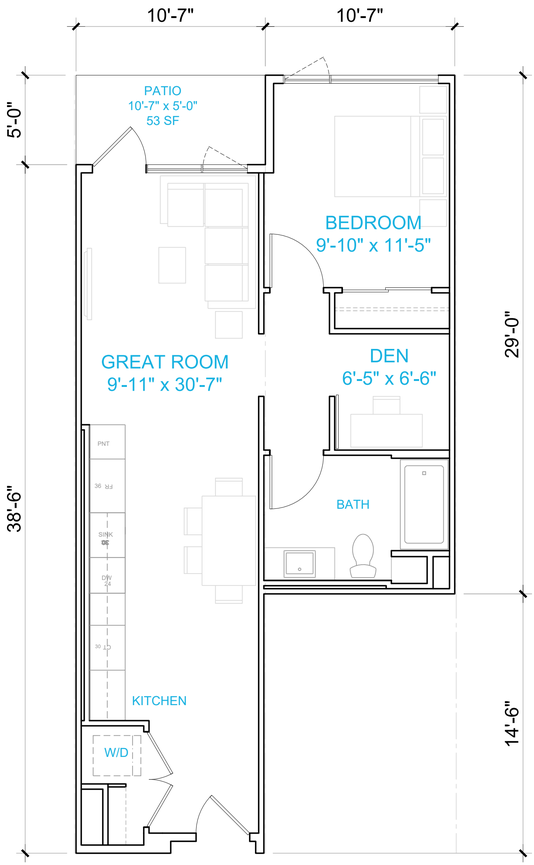
PLAN 1-4B
1 BED
1 BATH
619 SF



PLAN 1-5A
1 BED
1 BATH
635 SF



PLAN 1-5A
1 BED
1 BATH
635 SF



PLAN 1-6A
1 BED +DEN
1 BATH
718 SF

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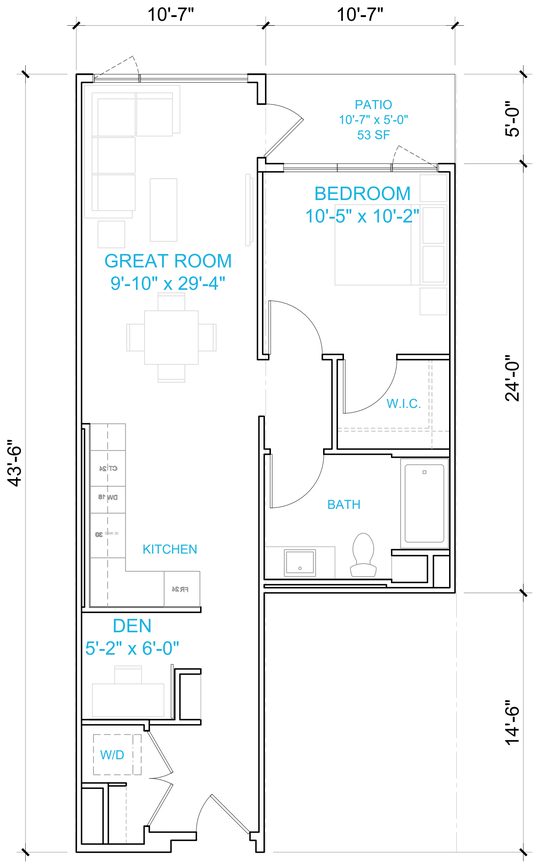
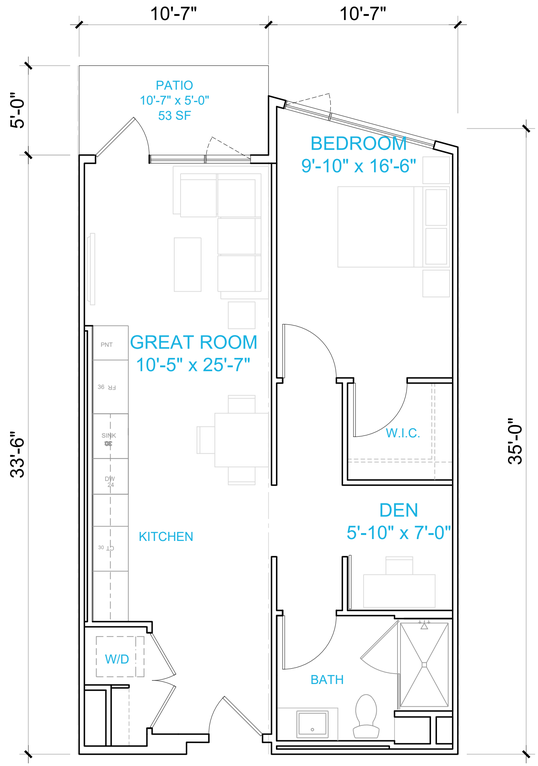
0 2 4 8

UNIT PLANS
1-BEDROOM

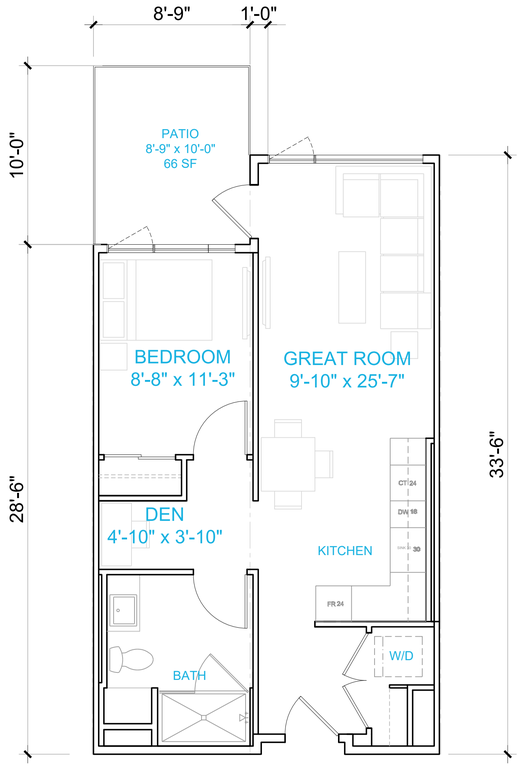
A5-4



PLAN 1-6B
1 BED +DEN
1 BATH
718 SF



PLAN 1-7A
1 BED +DEN
1 BATH
742 SF



PLAN 1-7C
1 BED +DEN
1 BATH
606 SF

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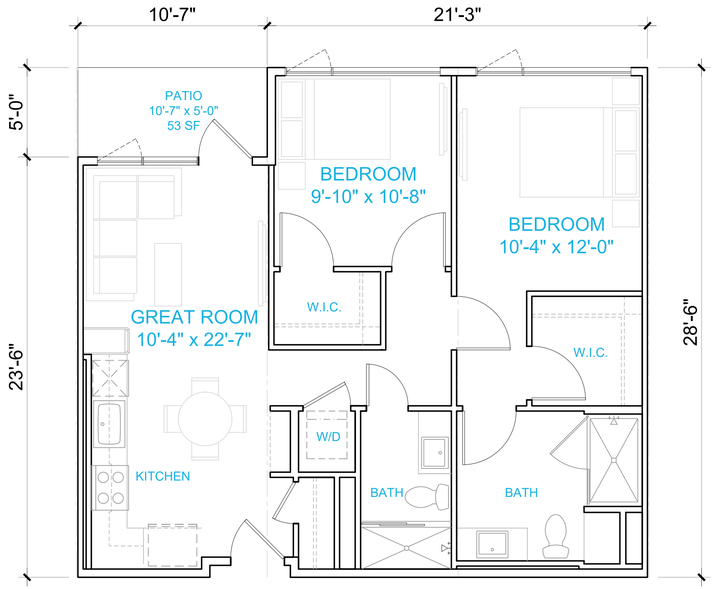
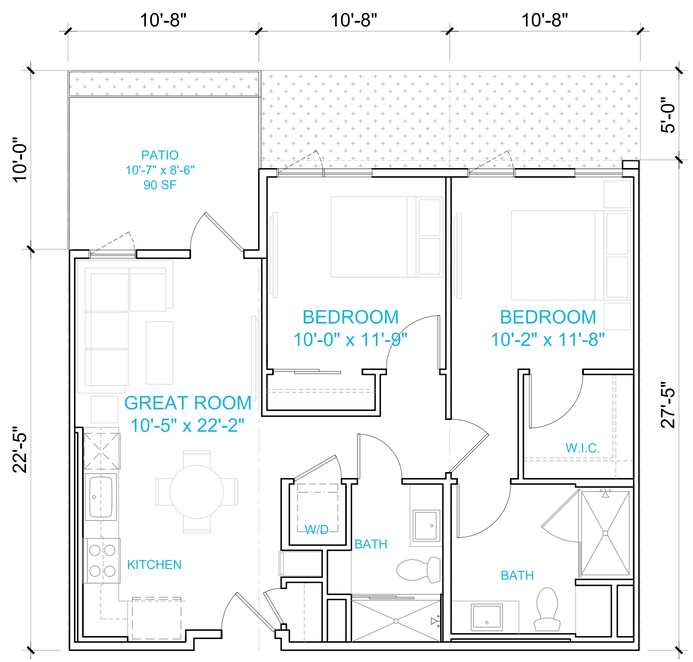
0 2 4 8

UNIT PLANS
1-BEDROOM

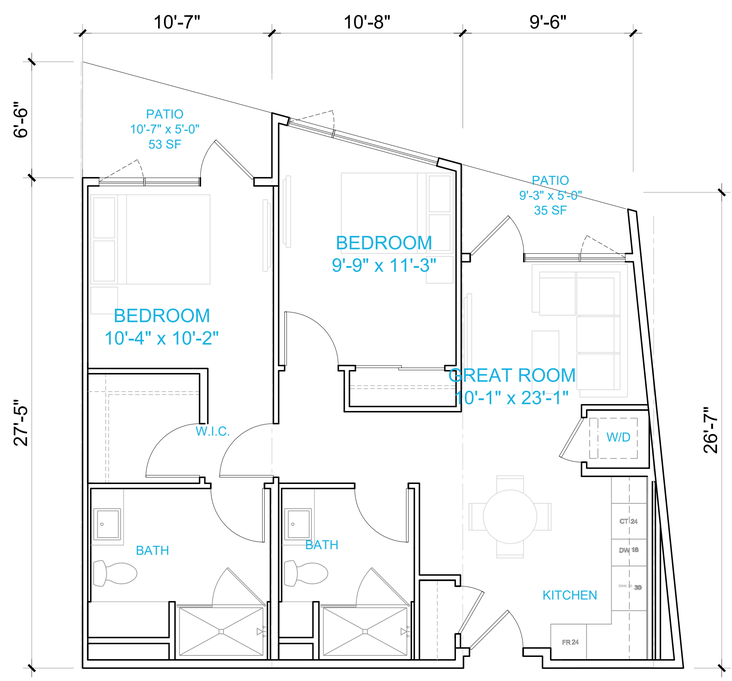
A5-5



PLAN 2-1
2 BED
2 BATH
856 SF



PLAN L/W 2-2
2 BED
2 BATH
842 SF



PLAN 2-3A
2 BED
2 BATH
891 SF

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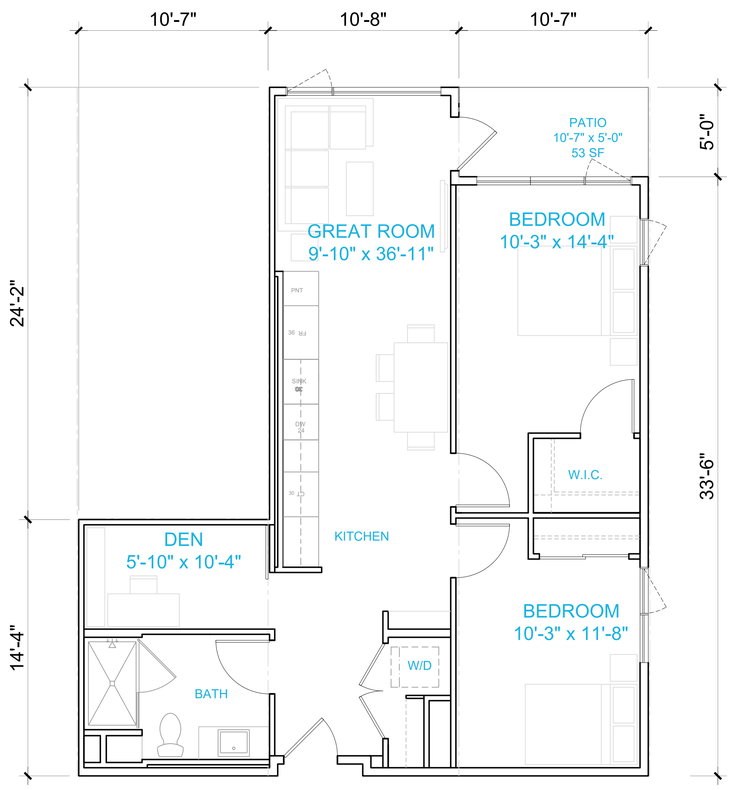
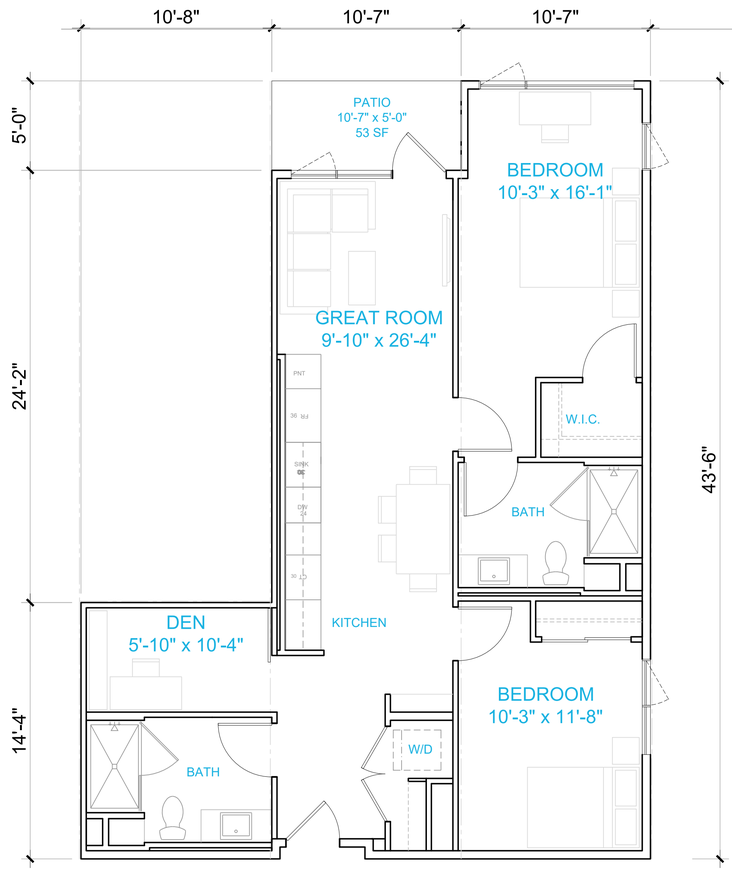
0 2 4 8

UNIT PLANS
2-BEDROOM

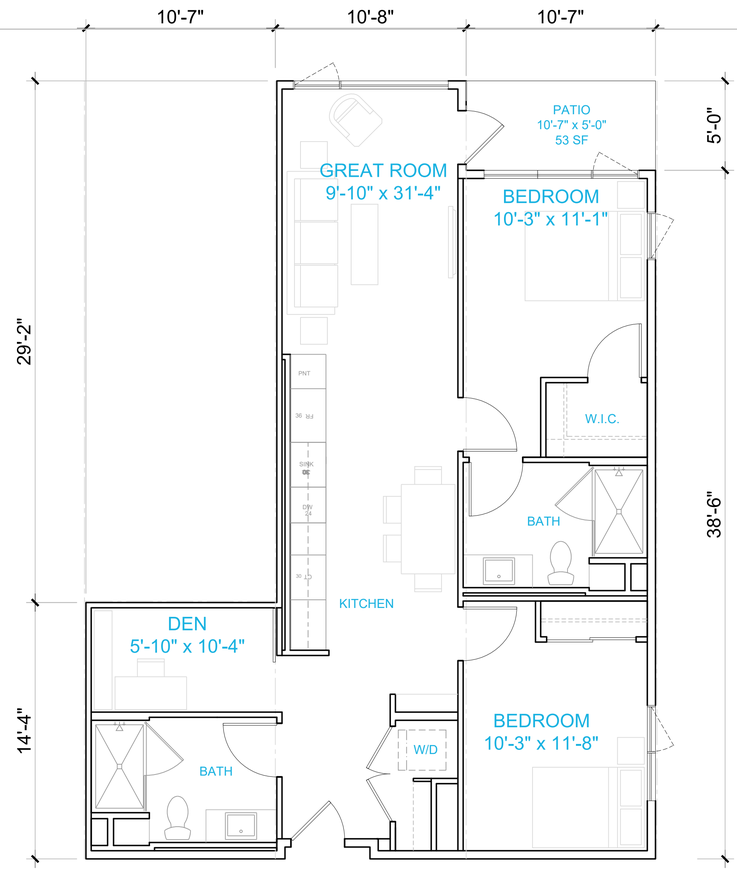
A5-6



PLAN 2-4A
2 BED +DEN
1 BATH
919 SF



PLAN 2-4B
2 BED +DEN
1 BATH
1025 SF



PLAN 2-4C
2 BED +DEN
1 BATH
1025 SF

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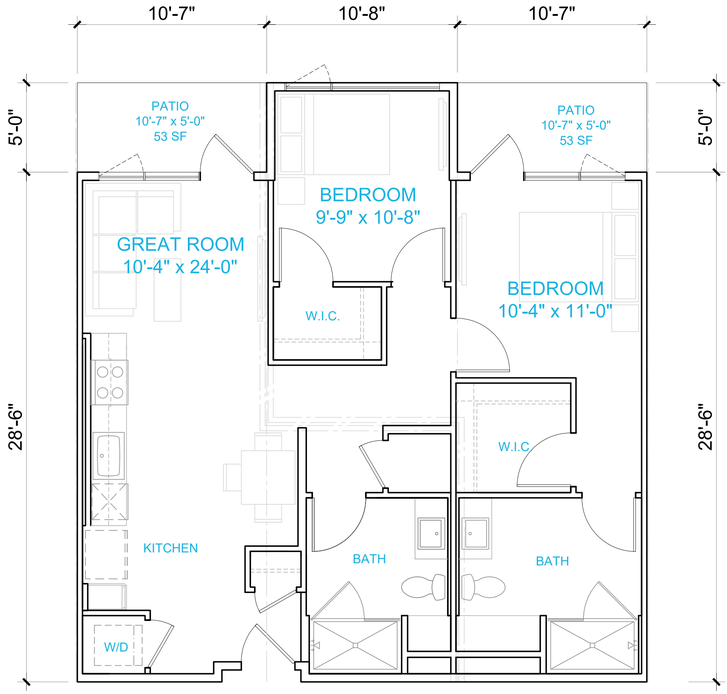
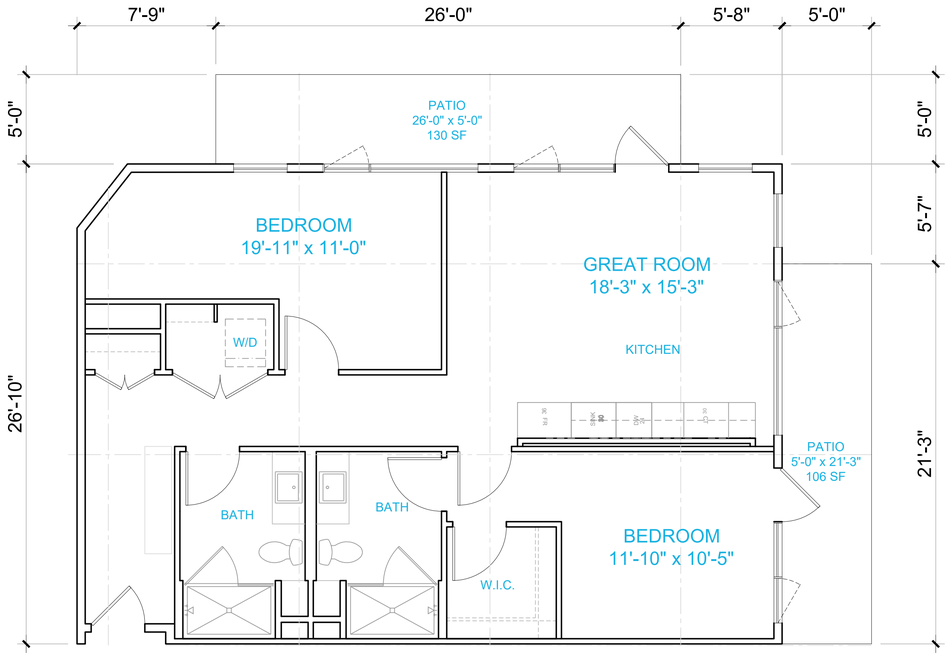
0 2 4 8

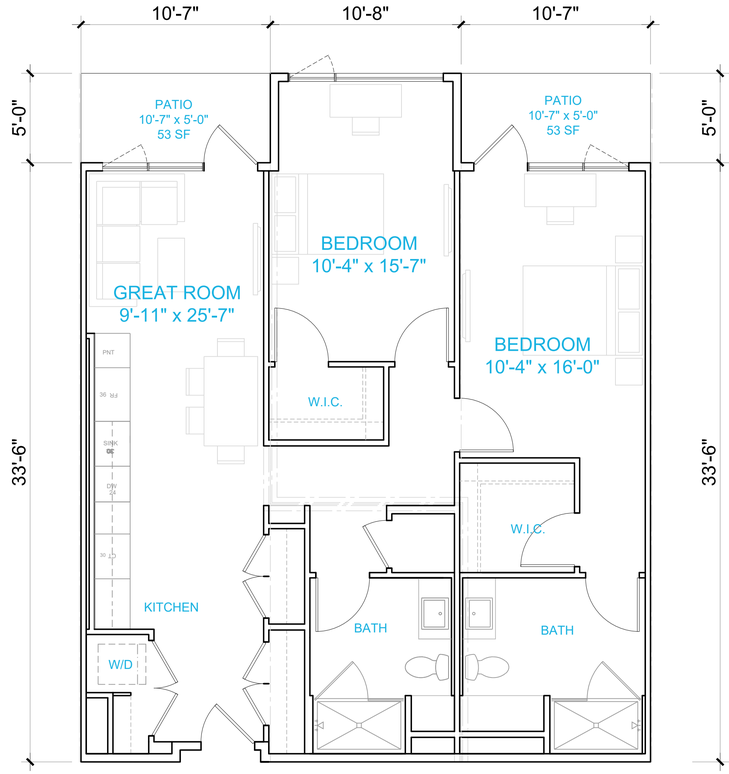
UNIT PLANS
2-BEDROOM & +DEN



PLAN 2-5
2 BED
2 BATH
962 SF



PLAN 2-6
2 BED
2 BATH
1054 SF



PLAN 2-7A
2 BED
2 BATH
1122 SF

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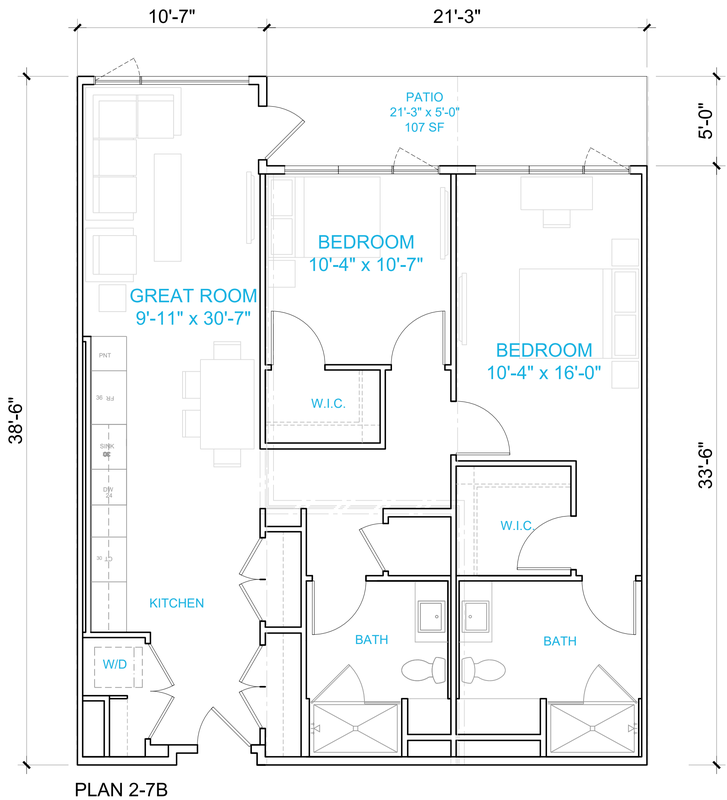
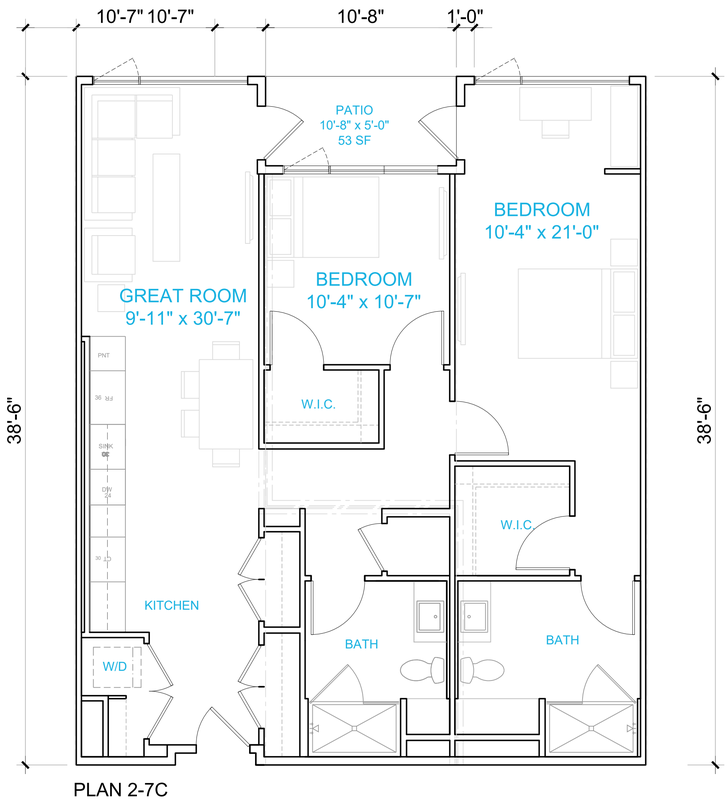
0 2 4 8

UNIT PLANS
2-BEDROOM & +DEN

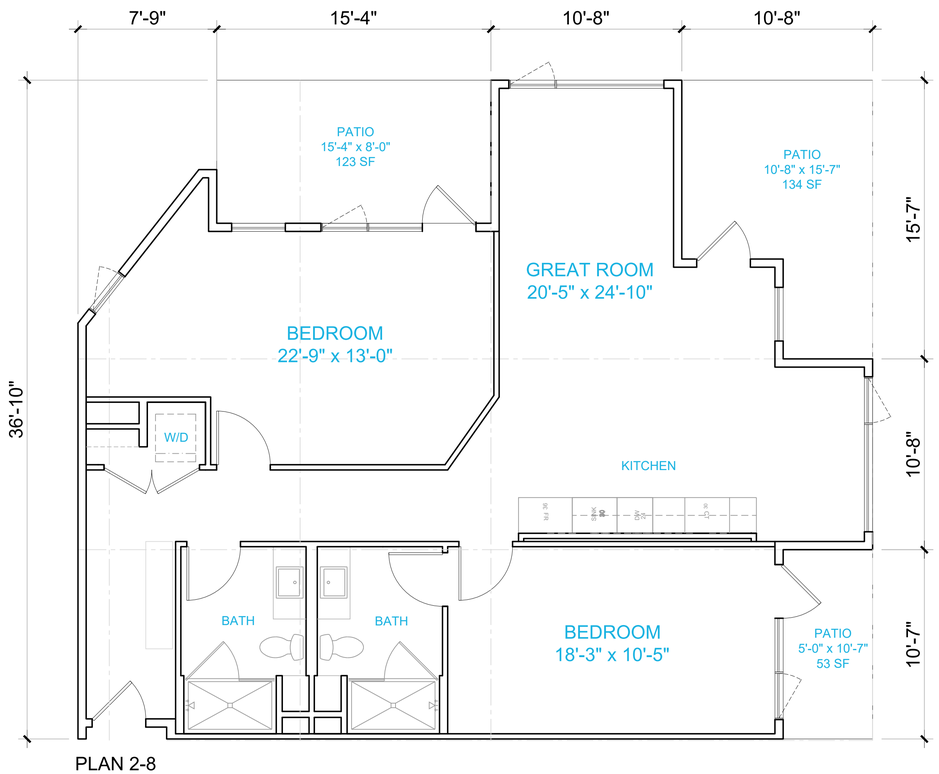
A5-8



PLAN 2-7B
2 BED
2 BATH
1122 SF



PLAN 2-7C
2 BED
2 BATH
1176 SF



PLAN 2-8
2 BED
2 BATH
1176 SF

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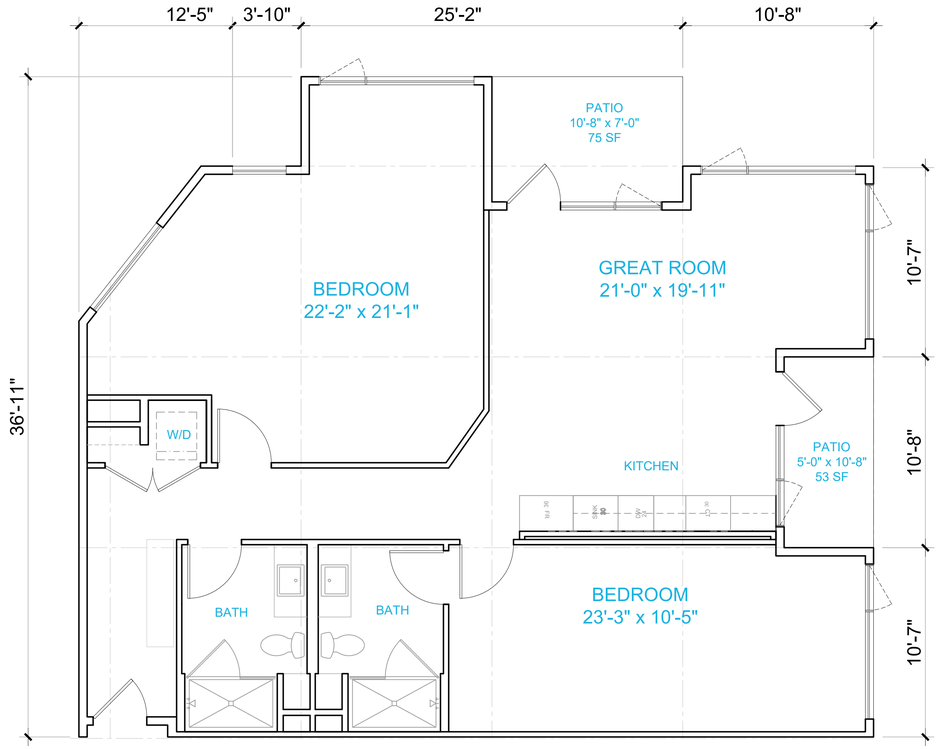
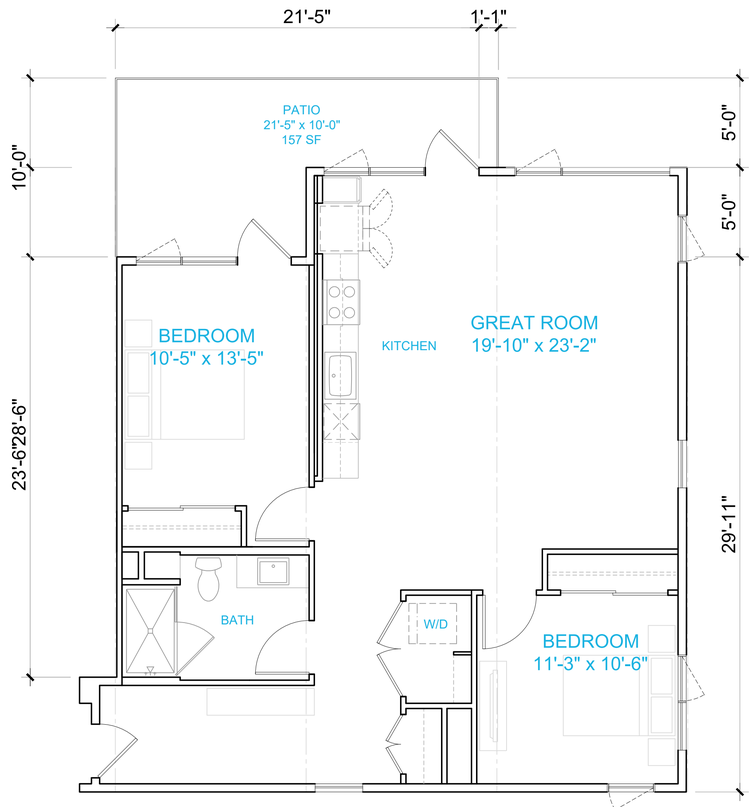
0 2 4 8

UNIT PLANS
2-BEDROOM

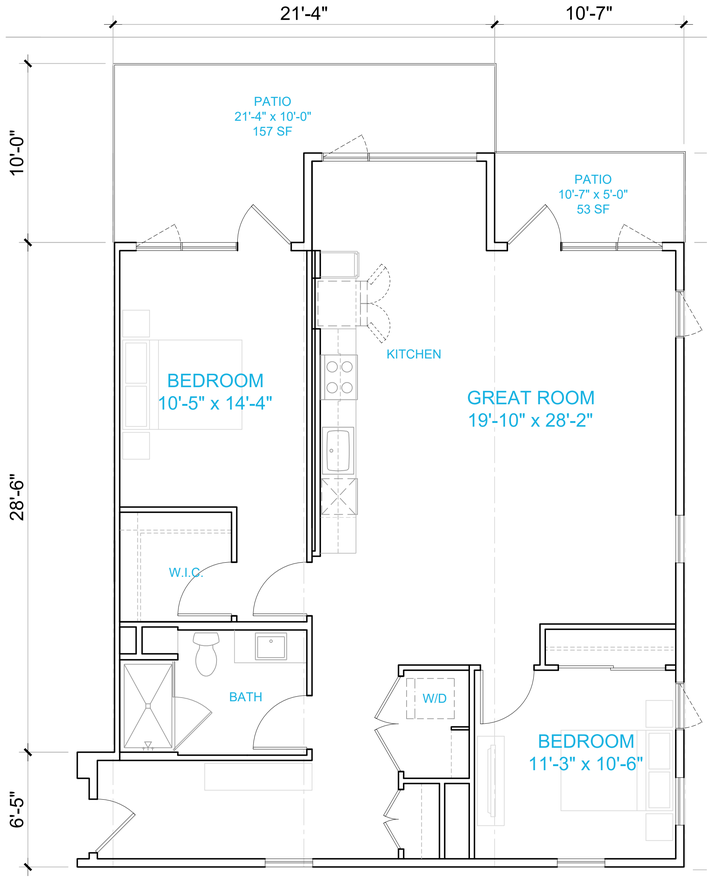
A5-9



PLAN 2-9
2 BED
2 BATH
1280 SF



PLAN 2-10
2 BED
2 BATH
1021 SF



PLAN 2-11
2 BED
2 BATH
1181 SF

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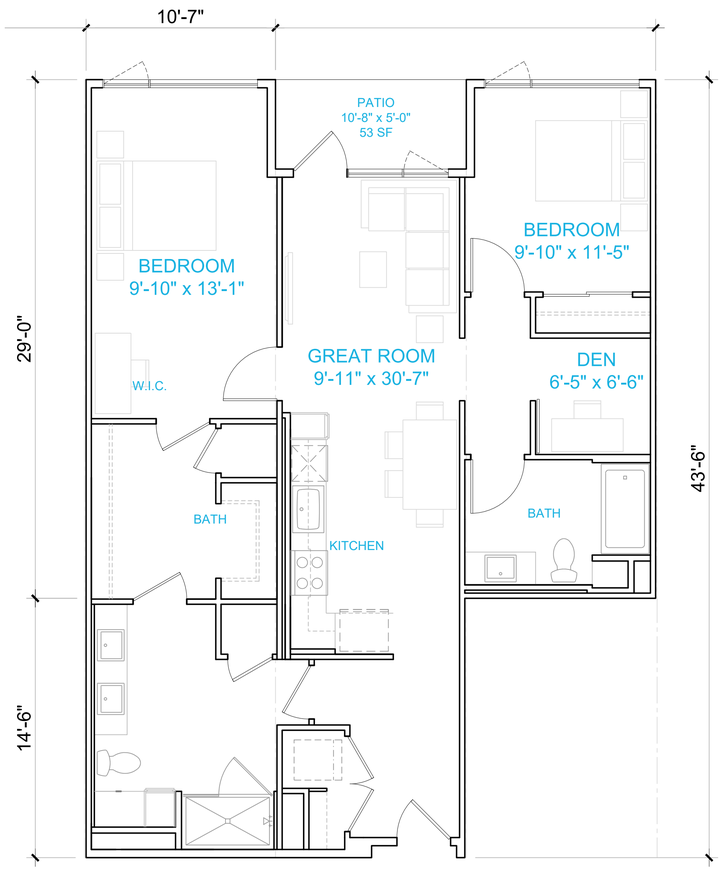
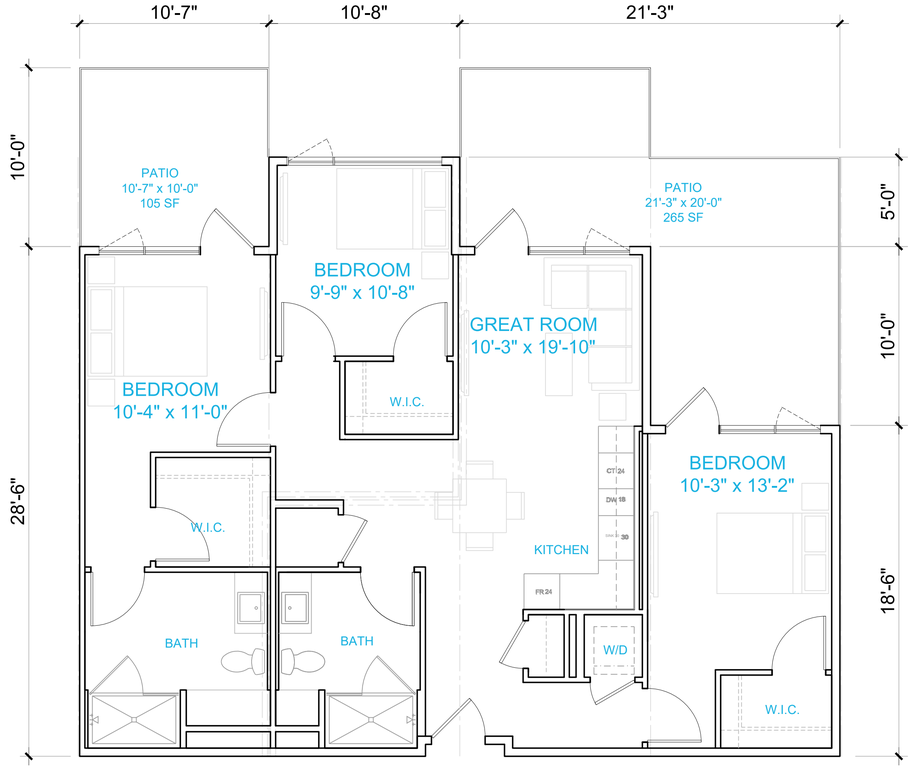
0 2 4 8

UNIT PLANS
2-BEDROOM

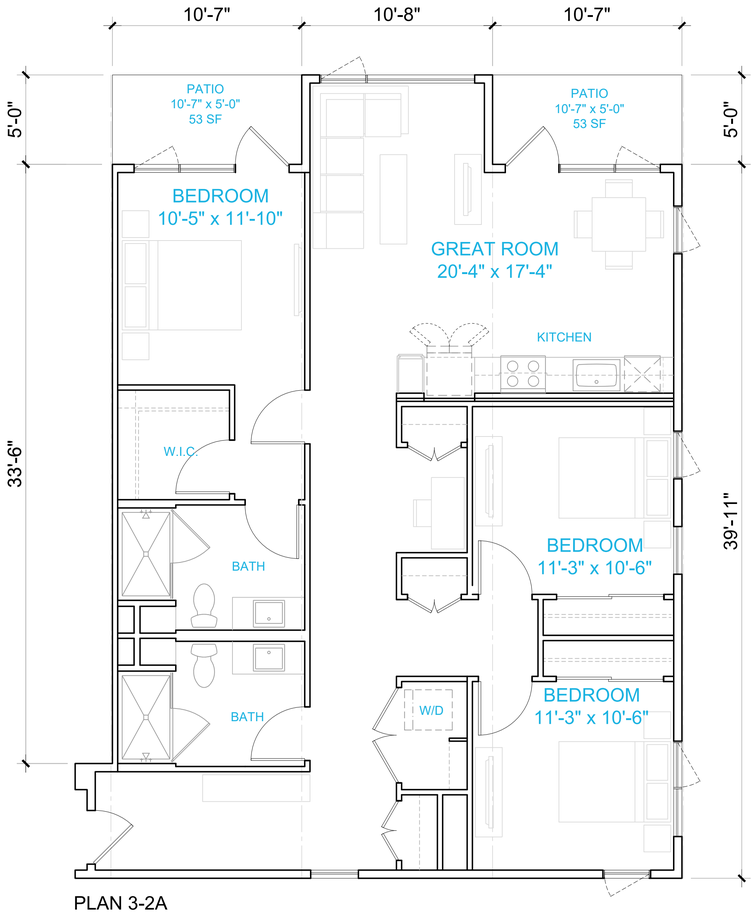
A5-10



PLAN 2-12
2 BED +DEN
2 BATH
1028 SF



PLAN 3-1
3 BED
2 BATH
1160 SF



PLAN 3-2A
3 BED
2 BATH
1341 SF

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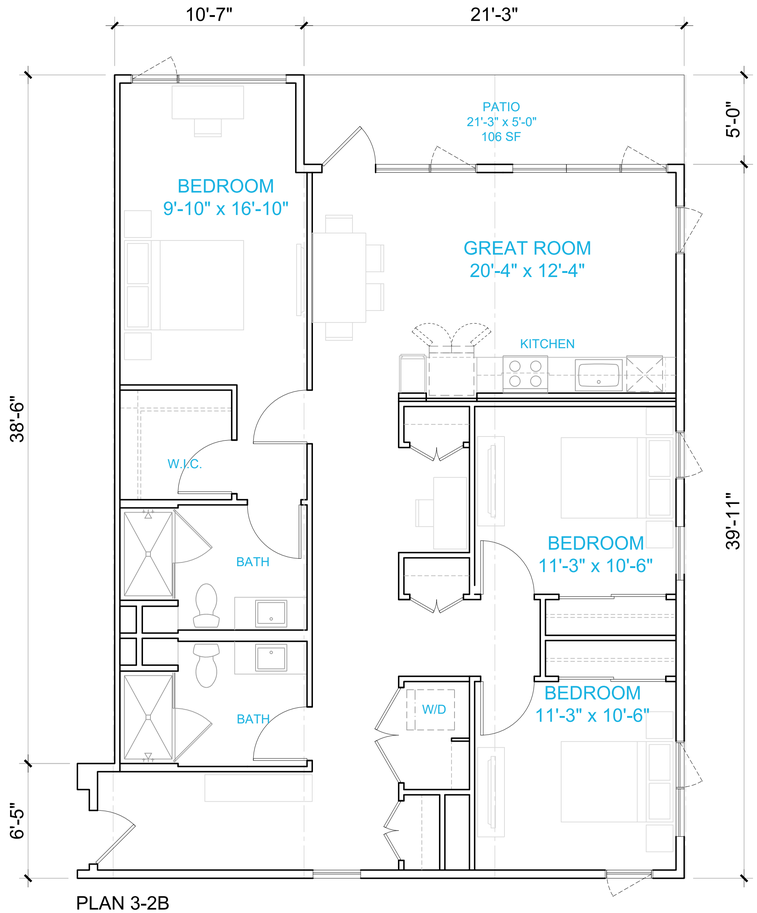
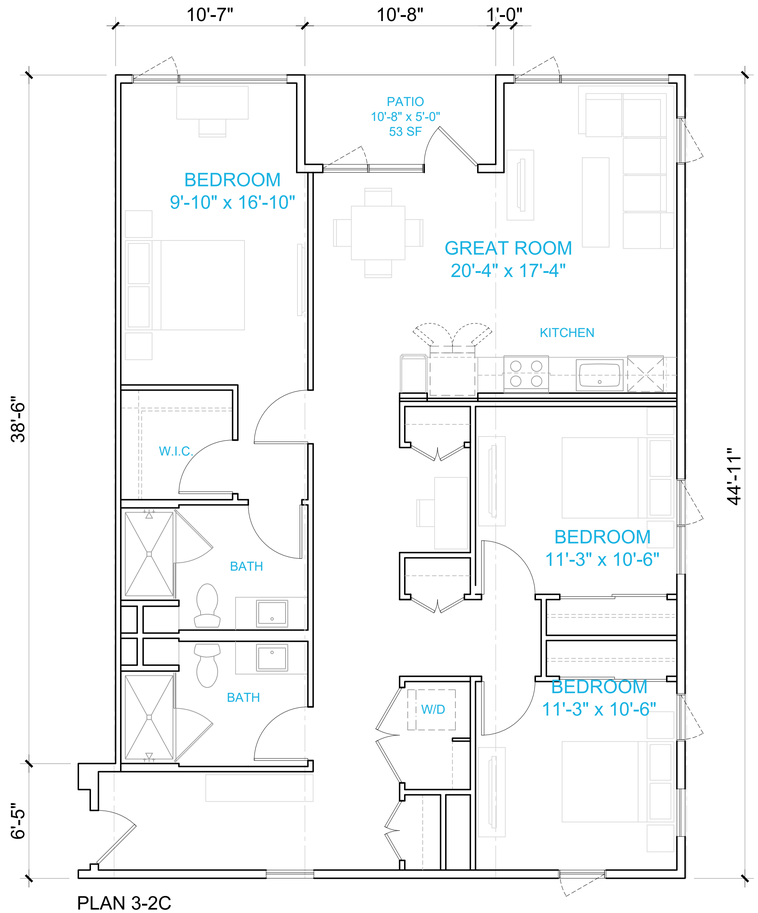
0 2 4 8

UNIT PLANS
2-BEDROOM & 3-BEDROOM

A5-11



PLAN 3-2B
3 BED
2 BATH
1341 SF



PLAN 3-2C
3 BED
2 BATH
1394 SF

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0 2 4 8

UNIT PLANS
3-BEDROOM

A5-12

CORNER OF SUNSET BOULEVARD AND EVERETT STREET | BUILDING B

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CONCEPTUAL PERSPECTIVES

A6-0

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CONCEPTUAL PERSPECTIVES

A6-1

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CONCEPTUAL PERSPECTIVES

A6-2

NORTH DAY VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

NORTH DUSK VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

WEST VIEW FROM SUNSET BLVD | BUILDING B

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CONCEPTUAL PERSPECTIVES

NORTH VIEW FROM SUNSET BLVD | BUILDINGS A + B

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CONCEPTUAL PERSPECTIVES

NORTH DUSK VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

SOUTH DUSK VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

SOUTH DUSK VIEW FROM EVERETT ST | BUILDING B

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CONCEPTUAL PERSPECTIVES

A6-9

SOUTH EVERETT PARK | GOOGLE EARTH COMPOSITE - BUILDING B IN VIEW

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CONCEPTUAL PERSPECTIVES

A6-10

A TROWEL STUCCO FINISH //

- SMOOTH

2 SHERWIN-WILLIAMS FINISH //

- LIGHT SOFT COLOR

B FIBER CEMENT FINISH //

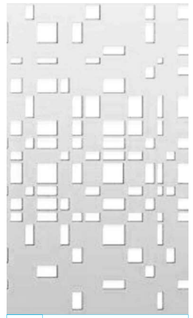
- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- OCCURS:
  - •• GROUND LEVEL UNITS
  - •• UPPER LEVEL AMENITY SPACES

C FIBER CEMENT FINISH //

- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- STAIRS & ELEVATORS

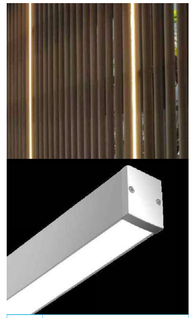
D WHITE METAL FINISH //

- LIGHT COLOR
- OCCURS:
  - •• STAIRWELL



E PERFORATED METAL FINISH //

- LIGHT COLOR
  - •• BOK MODERN
- OCCURS:
  - •• EXTERIOR SIDE STAIRWELL



F LED LINEAR WET RATED LIGHTING //

- 5000K - 7000K
- INTEGRATED
  - •• STUCCO
  - •• FIBER CEMENT

G CONCRETE FINISH //

- LIGHT COLOR
  - •• MATCH SW PAINT #
- OCCURS:
  - •• STOOPS

H OPAQUE GLASS FINISH //

- LIGHT COLOR
  - •• MATCH WINDOW COLOR
- OCCURS:
  - •• BALCONY PRIVACY SCREEN

I METAL PLANTER FINISH //

- LIGHT COLOR
  - •• POWDER COATED
  - •• MATCH SW PAINT #
- OCCURS:
  - •• AMENITIES
  - •• BALCONIES

FRONT PERSPECTIVE ON SUNSET BLVD | BUILDING A (MATERIALS ARE SIMILAR TO BUILDING B)

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COLOR & MATERIAL BOARD
BUILDING 'A'

A8-0

A TROWEL STUCCO FINISH //

- SMOOTH

2 SHERWIN-WILLIAMS FINISH //

- LIGHT SOFT COLOR

B FIBER CEMENT FINISH //

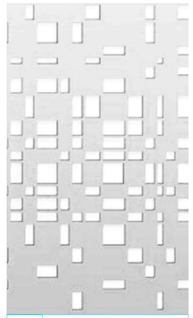
- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- OCCURS:
  - •• GROUND LEVEL UNITS
  - •• UPPER LEVEL AMENITY SPACES

C FIBER CEMENT FINISH //

- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- STAIRS & ELEVATORS

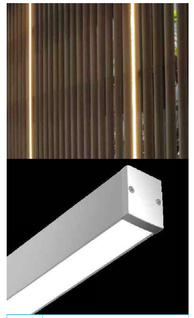
D WHITE METAL FINISH //

- LIGHT COLOR
- OCCURS:
  - •• STAIRWELL



E PERFORATED METAL FINISH //

- LIGHT COLOR
  - •• BOK MODERN
- OCCURS:
  - •• EXTERIOR SIDE STAIRWELL



F LED LINEAR WET RATED LIGHTING //

- 5000K - 7000K
- INTEGRATED
  - •• STUCCO
  - •• FIBER CEMENT

G CONCRETE FINISH //

- LIGHT COLOR
  - •• MATCH SW PAINT #
- OCCURS:
  - •• STOOPS

H OPAQUE GLASS FINISH //

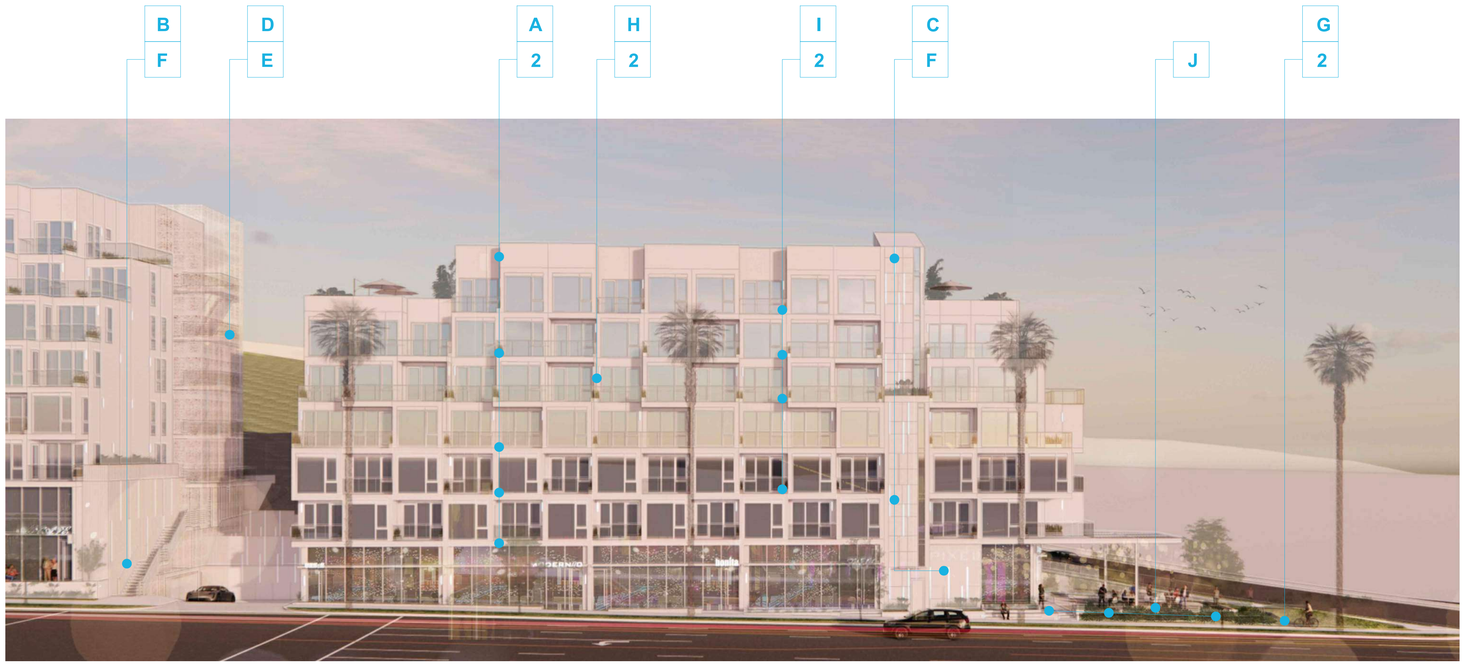
- LIGHT COLOR
  - •• MATCH WINDOW COLOR
- OCCURS:
  - •• BALCONY PRIVACY SCREEN

I METAL PLANTER FINISH //

- LIGHT COLOR
  - •• POWDER COATED
  - •• MATCH SW PAINT #
- OCCURS:
  - •• AMENITIES
  - •• BALCONIES

J COMPOSITE SEATING & DECKING FINISH //

- WARM COLOR
- OCCURS:
  - •• AMENITIES
  - •• PLAZA
  - •• OPEN SPACE



FRONT PERSPECTIVE ON SUNSET BLVD | BUILDING B (MATERIALS ARE SIMILAR TO BUILDING A)

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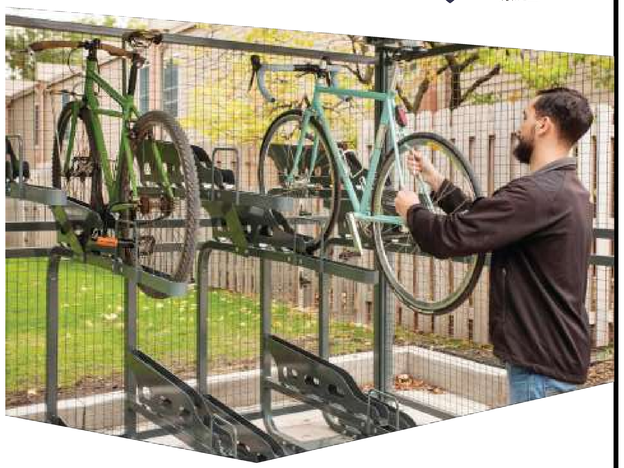
FEBRUARY 6, 2024

NTS

COLOR & MATERIAL BOARD
BUILDING 'B'

A8-1



Dero **Duplex**

The Dero Duplex doubles the capacity of your bike parking area with secure, efficient, and orderly storage. Its staggered design means that bikes enter and exit easily without entanglement. Sturdy trays with high sides keep bikes from slipping off while loading or unloading and also make the Duplex compatible with most standard u-locks.

Patent D768,545

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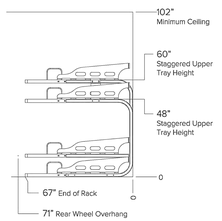
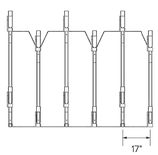
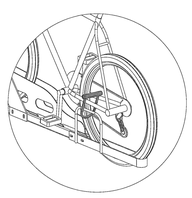
Dero **Duplex** **Submittal Sheet**





CAPACITY	Varies per configuration Minimum 6 bike system required for stability
MATERIALS	**Main frame tube:** 2" 11g square tube **Connector plates:** 1/4" plate **Bike trays:** 11g plate
FINISHES	☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option. ☐ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat ☐ **Stainless** 304 grade stainless steel material with external surfaces polished to a satin finish. All surfaces passivated.
MOUNT OPTIONS	**Surface only** Each connector plate accepts 3/8" wedge anchors.



U-lock compatible

GUIDE SPECIFICATIONS FOR THE DUPLEX BIKE RACK
SECTION 129313
BIKE RACKS

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.

PART 1 GENERAL

1.1 Summary

This section includes specifications for the Duplex Bike Rack.

Modular system.

1.2 Quality Assurance

Installer Qualifications: An experienced installer who has completed installation of bicycle racks similar in material, design, and extent to that indicated for this project and whose work has resulted in construction with a record of successful in-service performance.

Manufacturer Qualifications: A firm experienced in manufacturing bicycle racks similar to those required for this project and with a record of successful in-service performance.

Source Limitations: Obtain each color, finish, shape and type of bicycle rack from a single source with resources to provide components of consistent quality in appearance and physical properties.

Product Options: Drawings indicate size, shape and dimensional requirements of bicycle racks and are based on the specific system indicated.

1.3 Submittals

Product Data: Include physical characteristics such as shape, dimensions, bicycle, material parking capacity and finish for each bicycle rack.

Shop Drawings: Show installation details for each bicycle rack.

Samples for Verification: Submit finish samples for review and verification.

Maintenance Data: For each bicycle rack.

Include recommended methods for repairing damage to the finish.

1.4 Delivery, Storage and Handling

A. Upon delivery, before signing for shipment, inspect for any damages and notate on the B.O.L.

B. Store bicycle racks in original undamaged packages and containers until ready for installation. Handle bicycle racks with sufficient care to prevent any scratches or damage to the finish.

1.5 Warranty

A. Bicycle racks carry a one-year manufacturer's limited warranty against defects in materials and workmanship. The one-year warranty period begins the date the product is shipped from the manufacturer.

PART 2 PRODUCTS

2.1 Acceptable Manufacturers

Provide bicycle racks manufactured by DERO BIKE RACK CO., 5522 Lakeland Avenue N., Minneapolis, MN 55429, 1-888-337-6729. Fax: 612-331-2731 Website: www.dero.com

2.2 Materials

Main frame tube: 2" 11g square tube

Connecter plates: 1/4" plate

Bike trays: 11g plate

Installation Method. Each connecter plate accepts 3/8" wedge anchors.

2.3 Finishes

A. Finish: A hot-dipped galvanized finish is standard. Over 250 high quality TGIC powder-coated colors are available from Dero Bike Rack Co.

2.4 Duplex Bike Rack

A. Setbacks

Please see setback diagrams.

PART 3 EXECUTION

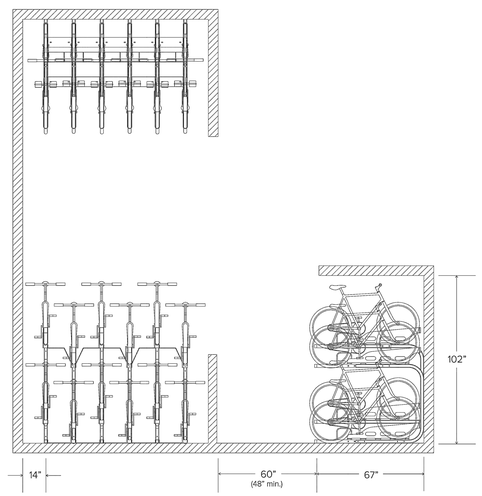
3.1 Ordering Information

A. When ordering or specifying this rack, make sure the product type, finish and fastener type (if applicable) are included. Contact your Dero representative for a current price list or to place an order.

3.2 Freight

Call 1-888-337-6729 for freight quotes.

Dero **Duplex** **Setbacks** Single Sided



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BICYCLE PARKING SPECS

A9-0

Flo Bike Rack
Installation Guide

Date: September 9, 2016
www.landscapeforms.com Ph: 800.521.2546

Surface mount

Embedded

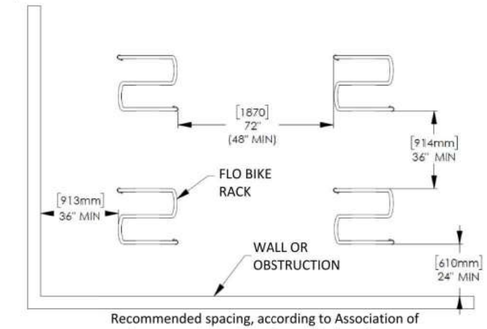
2X - Threaded rods
Embedded only

Included components:

- (2) 5/8-11 x 4" threaded rods with Loctite for embedded unit

Tools required:

- Surface mount unit ships fully assembled
- Surface mount option: (2) non-corrosive anchor bolts required per unit, maximum size Ø3/8" x 2-1/2" to 3" length
- Hammer drill with masonry bits
- For embedded mount option: chemical anchoring adhesive (Hilti HIT RE 500 or equivalent)



Recommended spacing, according to Association of Pedestrian and Bicycle Professionals (APBP)

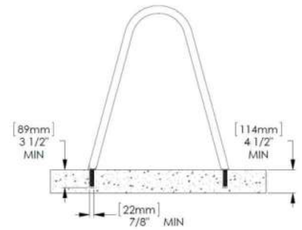
HANDLE WITH CARE! Flo's finish can be scuffed by contact with tools, concrete, or other abrasive surfaces. Protect the finish from damage during installation. Use touch-up paint to repair any powder coat finish abrasions.

EMBEDDED INSTALLATION:

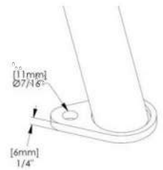
1. Install thread patch ends of threaded rods into the bike rack legs.
2. Set unit in position and mark hole locations.
3. Move unit and drill 7/8" diameter (minimum) holes 3-1/2" deep.
4. Set unit in position to make sure that Nylon glides make contact with the surface. Threaded rods should not be resting on the bottom of the drilled hole.
5. Move unit. Clear holes of debris.
6. Fill holes with chemical anchoring adhesive.
7. Set unit in position.
8. Wipe away excess adhesive.

SURFACE MOUNT INSTALLATION:

1. Set unit in place and mark holes.
2. Move the unit and drill the holes.
3. Install the anchors and bike rack according to the anchor manufacturer's instructions. Be sure that both anchor plates make solid contact with the surface.



Embedded detail



Surface mount detail

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BICYCLE PARKING SPECS

A9-1

MJS LANDSCAPE ARCHITECTURE

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SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

COMPOSITE LANDSCAPE PLAN

L.1

HILLSIDE PLANTING
- erosion control planting
- accent trees maintained to preserve views of neighbours

DOG PARK +439.5
- synthetic turf
- low fence
- accent trees
- movable furniture

SUNSET STREETSCAPE
- protect existing palms (7)
- proposed street trees

POOL DECK +419
- see sheet L.3

EVERETT STREETSCAPE
- proposed street trees
- city standard sidewalk

PLAZA +411
- see sheet L.3

COMMERCIAL SHORT TERM BIKE PARKING
- (6) short term commercial bike parking spaces (2' w. x 6' l.)- bike rack to be per city standard detail s-671-2 - located adjacent to commercial entry

RESIDENTIAL SHORT TERM BIKE PARKING
- (14) short term residential bike parking spaces (2' w. x 6' l.)- bike rack to be per city standard detail s-671-2 - located adjacent to building entry

MJS LANDSCAPE ARCHITECTURE

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Vancouver, BC, Canada

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

GROUND COMPOSITE

L.2

MJS LANDSCAPE ARCHITECTURE

Aragon Properties LTD.
1628 W. 1st Ave.
Vancouver, BC, Canada

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

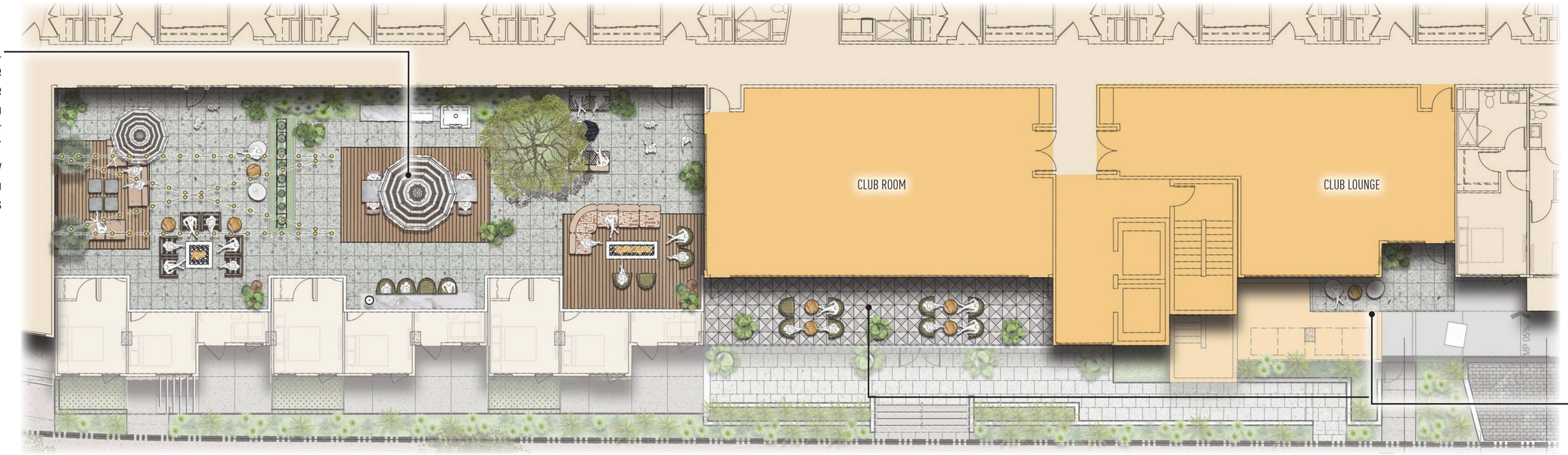
SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 5' 10' 20'

PLAZA AND POOL DECK ENLARGEMENT

L.3

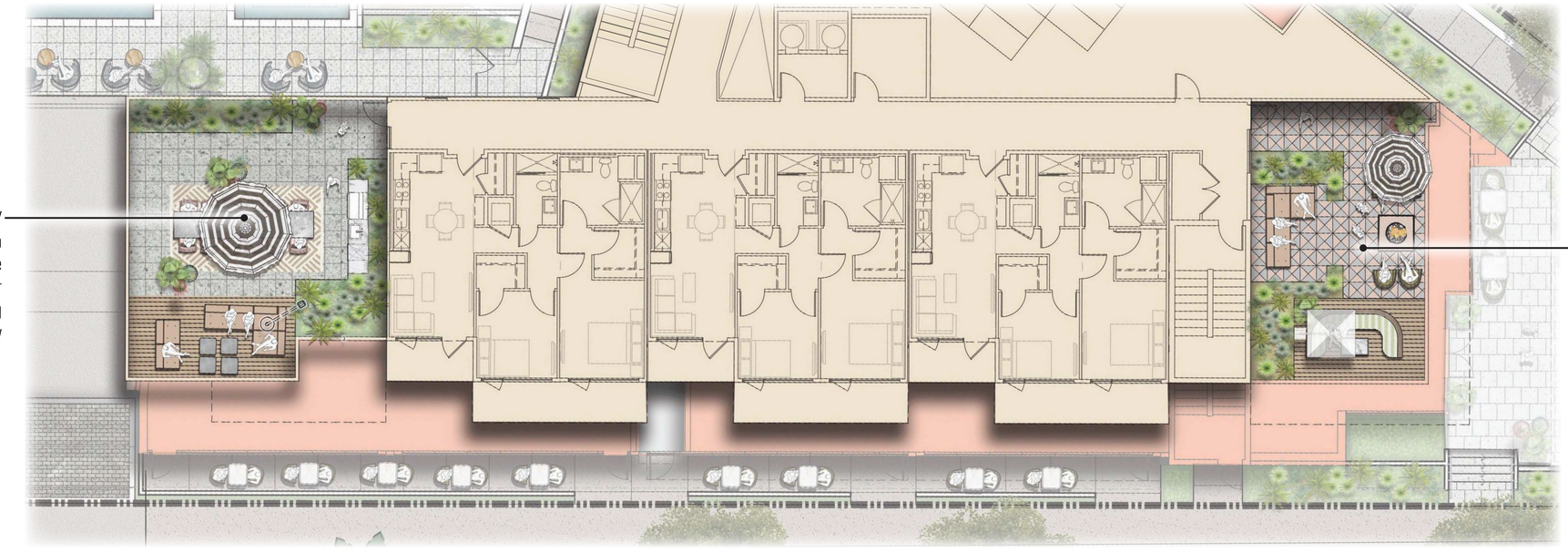
THE SOCIAL
- fireside lounge
- accent tree
- dining pavilion
- sit-up bar
- tv "room"
- pottery
- umbrella
- festival lights



VIEW DECKS
- lounge seating
- pottery

BUILDING A - ROOFDECK + 489.9

DINNER PARTY
- umbrella
- dining table
- bbq counter
- lounge seating
- pottery



THE LOUNGE
- lounge seating
- umbrella
- firepit

BUILDING B - ROOFDECK + 479

MJS LANDSCAPE ARCHITECTURE

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LOS ANGELES, CALIFORNIA # 2012-0710

SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 4' 8' 16'

BUILDING A + B ROOFDECKS

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE	WUCOLS	QTY
	ACACIA SALIGNA ORANGE WATTLE	24"BOX	LOW	8
	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE STANDARD	36"BOX	MODERATE	14
	CERCIS C. TEXENSIS 'OKLAHOMA' OKLAHOMA TEXAS REDBUD	24"BOX	MODERATE	15
	GEIJERA PARVIFLORA AUSTRALIAN WILLOW	24"BOX	MODERATE	13
	LAURUS X `SARATOGA` SARATOGA HYBRID LAUREL - COLUMN	24"BOX	LOW	10
	LAURUS X `SARATOGA` SARATOGA HYBRID LAUREL	36"BOX	LOW	5
	OLEA EUROPAEA `SWAN HILL` TM SWAN HILL OLIVE - STANDARD FORM	36"BOX	LOW	1
	OLEA EUROPAEA `WILSONI' FRUITLESS OLIVE	48"BOX	LOW	2
	PRUNUS ILICIFOLIA LYONII CATALINA CHERRY	24"BOX	MODERATE	12
	QUERCUS AGRIFOLIA COAST LIVE OAK	60"BOX	LOW	1

MJS LANDSCAPE ARCHITECTURE

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SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

CONCEPTUAL TREE PLAN

L.5

PRELIMINARY PLANT PALETTE

SHRUBS - COURTYARD / ROOFTOP - 3' O.C. SPACING

BOTANICAL NAME	COMMON NAME	CONT	WUCOLS
LARGE SHRUBS			
ARCTOSTAPHYLOS MANZANITA `DR. HURD`	DR. HURD MANZANITA	5 GAL	LOW
FREMONTODENDRON X `KEN TAYLOR`	FLANNEL BUSH	15 GAL	VERY LOW
MEDIUM SHRUBS			
CEANOTHUS SP.	CALIFORNIA LILAC	5 GAL	LOW
GREVILLEA X `PEACHES AND CREAM`	GREVILLEA	5 GAL	LOW
LEUCADENDRON DISCOLOR `POM POM`	POM POM LEUCADENDRON	15 GAL	LOW
LEUCOSPERMUM CORDIFOLIUM `FLAME GIANT`	GIANT ORANGE NODDING PINCUSHION	15 GAL	LOW
PITTOSPORUM CRASSIFOLIUM `NANA`	KARO PITTOSPORUM	5 GAL	MODERATE
ROSMARINUS OFFICINALIS `TUSCAN BLUE`	TUSCAN BLUE ROSEMARY	5 GAL	VERY LOW
WESTRINGIA FRUTICOSA	COAST ROSEMARY	5 GAL	LOW
SMALL SHRUBS AND GROUNDCOVERS			
AJUGA REPTANS	CARPET BUGLE	1 GAL	MODERATE
ASPARAGUS DENSIFLORUS `MYERS`	MYERS ASPARAGUS	5 GAL	MODERATE
ASTER LAEVIS	SMOOTH BLUE ASTER	1 GAL	LOW
ERIGERON GLAUCUS `WAYNE RODERICK`	SEASIDE DAISY	1 GAL	LOW
IRIS DOUGLASIANA	DOUGLAS IRIS	5 GAL	LOW
PENSTEMON HETEROPHYLLUS `MARGARITA BOP`	BEARD TONGUE	1 GAL	LOW
PITTOSPORUM TENUIFOLIUM `GOLF BALL`	GOLF BALL TAWHIWHI	5 GAL	MODERATE
ROSMARINUS OFFICINALIS `PROSTRATUS`	ROSEMARY	5 GAL	VERY LOW
SALVIA X `MRS. BEARD`	SAGE	5 GAL	LOW
TEUCRIUM CHAMAEDRYS	GERMANDER	5 GAL	LOW
ZEPHYRANTHES CANDIDA	ZEPHYRLILY	1 GAL	MODERATE
ACCENT/COLOR SHRUBS			
AEONIUM X `MINT SAUCER`	MINT SAUCER AEONIUM	5 GAL	LOW
AGAVE ATTENUATA	FOXTAIL AGAVE	5 GAL	LOW
ALOE PLICATILIS	FAN ALOE	5 GAL	LOW
ALOE X SPINOSISSIMA	ALOE	5 GAL	LOW
GRASSES			
CAREX DIVULSA	BERKELEY SEDGE	1 GAL	MODERATE
FESTUCA GLAUCA	BLUE FESCUE	1 GAL	LOW
LOMANDRA LONGIFOLIA	MAT RUSH	5 GAL	LOW
MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	5 GAL	MODERATE
PENNISETUM SPATHIOLATUM	RYE PUFFS	5 GAL	MODERATE
SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL	MODERATE
SISYRINCHIUM BELLUM	BLUE EYED GRASS	1 GAL	LOW
VINES/CLIMBING SHRUBS			
CLEMATIS LASIANTHA	PIPESTEM CLEMATIS	5 GAL	VERY LOW
CLEMATIS LIGUSTICIFOLIA	WESTERN WHITE CLEMATIS	5 GAL	LOW
CLEMATIS MACROPETALA	CLEMATIS	5 GAL	MODERATE
LONICERA HISPIDULA	HONEYSUCKLE	5 GAL	LOW
ROSA DAVID AUSTIN `CLAIRE AUSTIN`	ENGLISH ROSE	15 GAL	MODERATE
ROSA X `CECILE BRUNNER`	CECILE BRUNNER CLIMBING ROSE	15 GAL	MODERATE
WISTERIA SINENSIS	CHINESE WISTERIA	15 GAL	MODERATE
TURF			
TURF AT ROOFTOP: SYNTHETIC IMPERIAL RYE FESCUE 90 OZ. TURF			

SHRUBS - GROUND LEVEL - 3' O.C. SPACING

BOTANICAL NAME	COMMON NAME	CONT	WUCOLS
LARGE SHRUBS			
ARCTOSTAPHYLOS DENSIFLORA `HOWARD MCMINN`	HOWARD MCMINN MANZANITA	5 GAL	LOW
HETEROMELES ARBUTIFOLIA	TOYON	15 GAL	VERY LOW
PRUNUS ILICIFOLIA LYONII	CATALINA CHERRY	15 GAL	LOW
RHAMNUS CALIFORNICA `EVE CASE`	CALIFORNIA COFFEEBERRY	15 GAL	LOW
RHUS INTEGRIFOLIA	LEMONADE BERRY	15 GAL	VERY LOW
MEDIUM SHRUBS			
ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	5 GAL	LOW
CEANOTHUS SP	CALIFORNIA LILAC	5 GAL	LOW
LEUCOPHYLLUM FRUTESCENS `LOS ALAMITOS`	TEXAS SAGE	5 GAL	LOW
SALVIA CLEVELANDII `ALLEN CHICKERING`	CLEVELAND SAGE	5 GAL	LOW
TEUCRIUM FRUTICANS `AZUREUM`	AZURE BUSH GERMANDER	5 GAL	LOW
VERBENA LILACINA `DE LA MINA`	LILAC VERBENA	5 GAL	LOW
SMALL SHRUBS AND GROUNDCOVERS			
AGAPANTHUS X `STORM CLOUD`	DARK BLUE LILY OF THE NILE	5 GAL	MODERATE
ARCTOSTAPHYLOS X `PACIFIC MIST`	PACIFIC MIST MANZANITA	5 GAL	LOW
ASTER CHILENSIS	PACIFIC ASTER	1 GAL	LOW
DUDLEYA BRITTONII	GIANT CHALK DUDLEYA	1 GAL	VERY LOW
KNIPHOFIA UVARIA `SHINING SCEPTRE`	POKER PLANT	5 GAL	LOW
LUPINUS EXCUBITUS	GRAPE SODA LUPINE	1 GAL	LOW
SALVIA LEUCOPHYLLA `POINT SAL SPREADER`	PURPLE LEAF SAGE	5 GAL	LOW
SENECIO MANDRALISCAE	BLUE FINGER	1 GAL	LOW
ACCENT/COLOR SHRUBS			
AGAVE ATTENUATA	FOXTAIL AGAVE	5 GAL	LOW
AGAVE VILMORINIANA	OCTOPUS AGAVE	5 GAL	VERY LOW
FURCRAEA MACDOUGALII	FALSE AGAVE	5 GAL	LOW
GRASSES			
FESTUCA MAIREI	ATLAS FESCUE	5 GAL	LOW
LYGEUM SPARTUM	FALSE ESPARTO GRASS	5 GAL	LOW
MUHLENBERGIA LINDHEIMERI	LINDHEIMER`S MUHLY	5 GAL	LOW
MUHLENBERGIA RIGENS	DEER GRASS	5 GAL	LOW
PENNISETUM X `FAIRY TAILS`	EVERGREEN FOUNTAIN GRASS	5 GAL	MODERATE
VINES/CLIMBING SHRUBS			
CLEMATIS LASIANTHA	PIPESTEM CLEMATIS	5 GAL	VERY LOW
CLEMATIS LIGUSTICIFOLIA	WESTERN WHITE CLEMATIS	5 GAL	LOW
CLEMATIS MACROPETALA	CLEMATIS	5 GAL	MODERATE
LONICERA HISPIDULA	HONEYSUCKLE	5 GAL	LOW
WISTERIA SINENSIS	CHINESE WISTERIA	15 GAL	MODERATE

PRELIMINARY PLANT PALETTE NOTES:

1. THE OBJECTIVE OF THE OVERALL LANDSCAPING CONCEPT IS TO PROVIDE A DISTINCT VISUAL IMPRESSION AND COMMUNITY IDENTITY, SOFTEN THE URBAN EXPERIENCE, PROVIDE THE HIGHEST LEVEL OF AESTHETIC STANDARDS COMPLIMENTED BY THE QUALITY OF THE BUILDING MATERIALS THAT WILL ASSURE AN ATTRACTIVE ENVIRONMENT ENHANCING THE QUALITY OF LIFE AMONG ITS RESIDENTS AND VISITORS.
2. THE LANDSCAPE IRRIGATION CONCEPT FOR THE SITE WILL BE DESIGNED TO PROVIDE THE MOST EFFICIENT AND CONSERVING MEANS TO DISTRIBUTE IRRIGATION WATER AND PROVIDE THE PROPERTY MANAGER WITH THE LATEST TECHNOLOGY FOR WATER CONSERVATION.
3. THE FOLLOWING PLANT MATERIAL AS SELECTED IS COMPLIANT WITH CITY OF LOS ANGELES GREEN INITIATIVES OR CAL GREEN EQUIVALENT INCLUDING CONSIDERATION FOR WATER CONSERVATION AND NON-INVASIVE SPECIES AND PROMOTES THE OBJECTIVES OF THE S.N.A.P SPECIFIC PLAN.

IRRIGATION CONCEPT NOTES:

THE FOLLOWING IS A SUMMARY OF THE PROPOSED IRRIGATION CONCEPT FOR THE LANDSCAPED AREAS:

PURPOSE: TO PROVIDE THE LANDSCAPE MAINTENANCE COMPANY A MECHANICAL DEVICE TO DISTRIBUTE WATER AND ENSURE PLANT SURVIVAL IN THE MOST EFFICIENT MANNER AND WITHIN A TIME FRAME THAT LEAST INTERFERES WITH THE ACTIVITIES OF THE RESIDENTS.

CONCEPT: THE SYSTEM WILL DERIVE ITS WATER FROM THE CITY OF LOS ANGELES DEPARMENT of WATER AND POWER. ALL POINTS OF CONNECTIONS WILL BE PROTECTED BY A BACKFLOW PREVENTION UNIT IN ACCORDANCE WITH CITY OF LOS ANGELES DEPARMENT of WATER AND POWER STANDARDS. THE SYSTEM WILL UTILIZE VARIOUS TYPES OF IRRIGATION HEADS COMPATIBLE WITH THE AREA BEING WATERED AND INFILTRATION RATES OF THE SOIL WITH MATCHED PRECIPITATION RATES. THE SYSTEM WILL BE CONTROLLED BY A "SMART CONTROLLER" AND MOISTURE SENSING EQUIPMENT. VALVES PROGRAMMED FROM AUTOMATIC CONTROLLERS WILL MAXIMIZE EFFICIENT WATER APPLICATION.

TO AVOID WASTED WATER, THE CONTROLS WILL BE OVERSEEN BY A FLOW MONITOR THAT WILL DETECT ANY BROKEN SPRINKLER HEADS TO STOP THAT STATION'S OPERATION, ADVANCING TO THE NEXT WORKABLE STATION. IN THE EVENT OF PRESSURE SUPPLY LINE BREAKAGE, IT WILL COMPLETELY STOP THE OPERATION OF THE SYSTEM. ALL MATERIAL WILL BE NONFERROUS, WITH THE EXCEPTION OF THE BRASS PIPING INTO AND OUT OF THE BACKFLOW UNITS. ALL WORK WILL BE IN THE BEST ACCEPTABLE MANNER IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS PREVAILING IN THE INDUSTRY. WATERING WILL COMFORM WITH CITY OF LOS ANGELES WATER CONSERVATION REQUIREMENTS.

CITY of L.A. LANDSCAPE NOTES

1. THE PLANTING AND IRRIGATION SYSTEM SHALL BE COMPLETED BY THE DEVELOPER/BUILDER PRIOR TO THE CLOSE OF ESCROW OF FIFTY (50) PERCENT OF THE UNITS OF THE PROJECT OR PHASE
2. SIXTY (60) DAYS AFTER THE LANDSCAPE AND IRRIGATION INSTALLATION, THE LANDSCAPE PROFESSIONAL SHALL SUBMIT TO THE HOMEOWNERS/PROPERTY OWNERS ASSOCIATION A CERTIFICATE OF SUBSTANTIAL COMPLETION.
3. THE DEVELOPER/BUILDER SHALL MAINTAIN THE LANDSCAPING AND IRRIGATION FOR SIXTY (60) DAYS AFTER COMPLETION OF THE LANDSCAPE AND IRRIGATION INSTALLATION.
4. THE DEVELOPER/BUILDER SHALL GUARANTEE ALL TREES AND IRRIGATION FOR A PERIOD OF SIX (6) MONTHS AND ALL OTHER PLANTS FOR A PERIOD OF SIXTY (60) DAYS AFTER THE LANDSCAPE AND IRRIGATION INSTALLATION.

BICYCLE PARKING

USES	SITE LOCATION	REQUIRED	PROVIDED
RESIDENTIAL (SHORT TERM)	ALONG SUNSET BLVD	13 SPACES	14 SPACES
COMMERICAL (SHORT TERM)	ALONG SUNSET BLVD	5 SPACES	6 SPACES
TOTAL		18 SPACES	20 SPACES

EXISTING TREE NOTE

- NO PROTECTED TREES ON SITE.
- NO PROTECTED TREES OFF SITE - STREET TREES TO BE MAINTAINED AS SHOWN.

OPEN SPACE REQUIREMENTS

PER LA CITY ZONING CODE, SECTION 12.21G

OPEN SPACE REQUIREMENTS:	UNITS	OPEN SPACE REQUIRED
100 S.F. FOR UNITS < 3 HABITABLE ROOMS	243	= 24,300 S.F.
125 S.F. FOR UNITS = 3 HABITABLE ROOMS	79	= 9,875 S.F.
175 S.F. FOR UNITS > 3 HABITABLE ROOMS	5	= 875 S.F.
TOTAL REQUIRED		= 35,050 S.F.
	INCENTIVE: 30% REDUCTION	= 24,535 S.F.

PROVIDED OPEN SPACE :

PRIVATE DECKS - BLDG 'A' 5,200 SF + BLDG 'B' 1,050 SF	=	6,250 S.F.
PLAZA (NON-COMPLIANT - AREA BELONGS TO COMM. NOT RESIDENCES)	=	0 S.F.
COURTYARDS (COMPLIANT)	=	7,580 S.F.
ROOF DECK (COMPLIANT - BLDG 'A' + BLDG 'B')	=	4,797 S.F.
INDOOR AMENITIES (COMPLIANT - BLDG 'A' + BLDG 'B')	=	5,913 S.F.
TOTAL PROVIDED (COMPLIANT)		24,540 S.F.

LANDSCAPE AREA REQUIRED (25% OF 12,268 S.F. - 50% OF COMMON OPEN SPACE) 3,067 S.F.

LANDSCAPE AREA PROVIDED:

LEVEL 1 THROUGH 7 (SLOPE PLANTING OMITTED) 12,881 S.F.

9,814 S.F. EXCESS

TREE REQUIREMENTS:

PRIVATE TREES - PER LA CITY ZONING CODE, SECTION 12.21G

1 TREE PER 4 UNITS — 327 UNITS - UNITS/4 = — TREES REQUIRED: 82

TREES PROVIDED - 24" BOX OR GREATER — TREES PROVIDED: 83

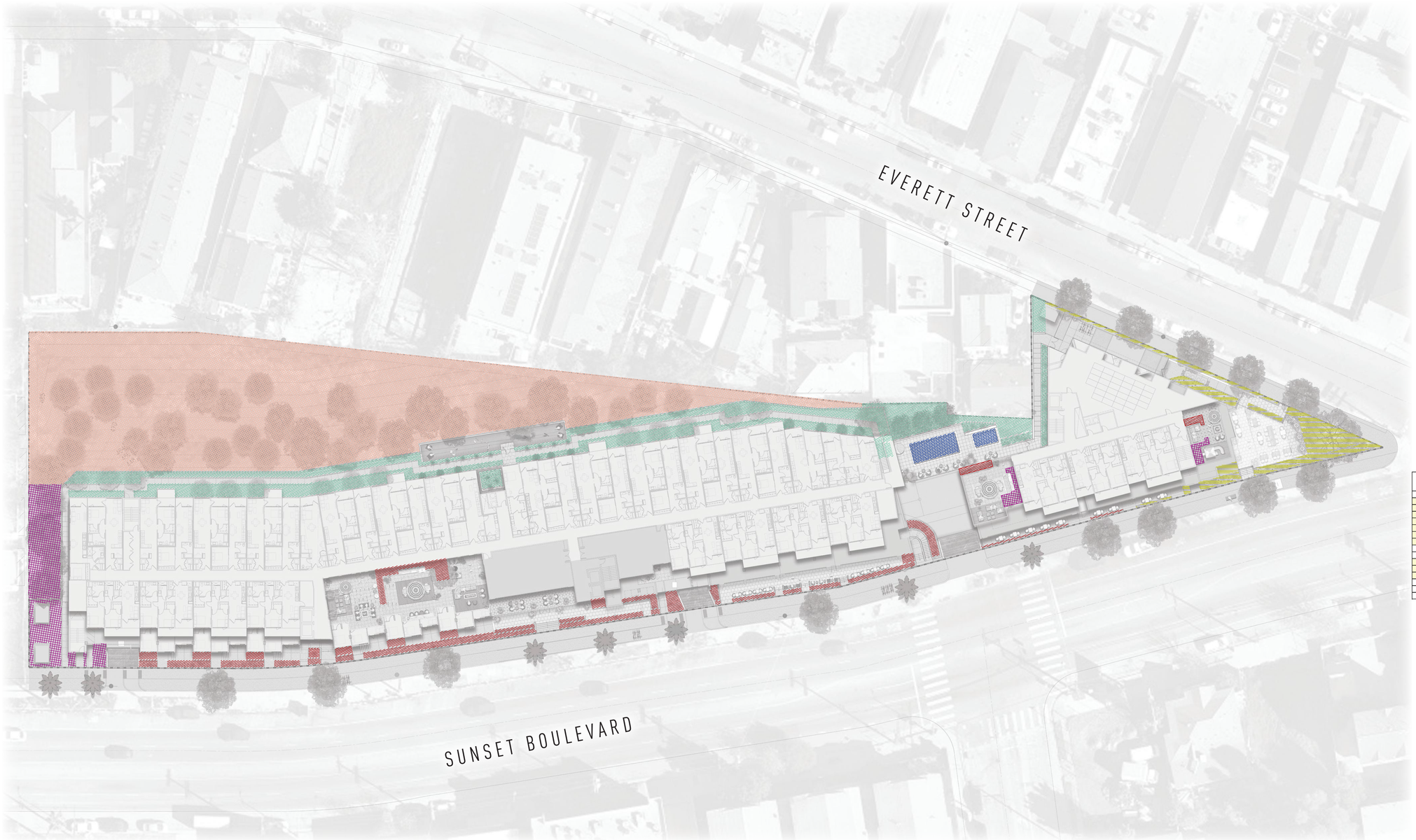
GROUND LEVELS - 82 TREES (14 OF 82 TREES IN R.O.W.)
ROOF DECKS - 1 TREE

GENERAL PLANTING NOTES:

1. MAINTAIN SHRUBS AT 24" HIGH INSIDE OF STREET AND DRIVEWAY LINE OF SIGHT.
2. SECURITY PLANTING MATERIALS WILL BE UTILIZED ALONG WALL AND PROPERTY LINES AND UNDER VULNERABLE WINDOWS AND BALCONIES.
3. ROOT BARRIERS ARE REQUIRED FOR ALL TREES WITHIN 5' OF ANY HARDSCAPE SURFACE.
4. PLANT MATURITY - SHRUBS WILL REACH MATURITY IN 3 YEAR / TREES WILL REACH MATURITY IN 5 YEARS

POTENTIAL LANDSCAPE AREA

POTENTIAL LANDSCAPE AREA = (SITE) 107,100 S.F. - (BUILDING) 57,076 S.F. = 50,024 S.F.



IRRIGATION HYDROZONES:

SYMBOL	HYDROZONE	AREA	WATER USAGE	PLANT FACTOR (Kc)
	HYDRO-ZONE - 1 WESTERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	2063 S.F.	LOW	0.30
	HYDRO-ZONE - 2 NORTHERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	5969 S.F.	LOW	0.30
	HYDRO-ZONE - 3 SOUTHERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	2636 S.F.	MODERATE	0.40
	HYDRO-ZONE -4 EASTERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	1765 S.F.	MODERATE	0.40
	HYDRO-ZONE - 5 POOL AND SPA	448 S.F.	HIGH	1.0
	HYDRO-ZONE - 6 SLOPE PLANTING	24545 S.F.	LOW	0.30
TOTAL HYDROZONE AREA:	37,426 S.F.			

WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo) 45.40 **ETAF for MAWA** 0.55 (Residential)

Hydrozone # /Planting Description[a]	Plant Factor (PF)	Irrigation Method[c]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
Hydrozone 1 - Western Sun Exposure	0.30	drip	0.81	0.37	2,063	764	21,507
Hydrozone 2 - Northern Sun Exposure	0.40	drip	0.81	0.49	5,969	2,948	82,971
Hydrozone 3 - Southern Sun Exposure	0.40	drip	0.81	0.49	2,636	1,302	36,641
Hydrozone 4 - Eastern Sun Exposure	0.40	drip	1	0.40	1,765	706	19,872
Hydrozone 5 - Pool and Spa	1.00	SLA	1	1.00	448	448	12,610
Hydrozone 6 - Slope Planting	0.40	drip	1	0.40	24,545	9,818	276,357
				Totals	37,426	15,985	449,959
Special Landscape Areas							
				Totals			
						ETWU Total	**449,959**
						Maximum Allowed Water Allowance (MAWA)[e]	**579,407**

MJS LANDSCAPE ARCHITECTURE

Aragon Properties LTD.
1628 W. 1st Ave.
Vancouver, BC, Canada

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

IRRIGATION HYDROZONE PLAN

L.7

EXHIBIT B

Maps

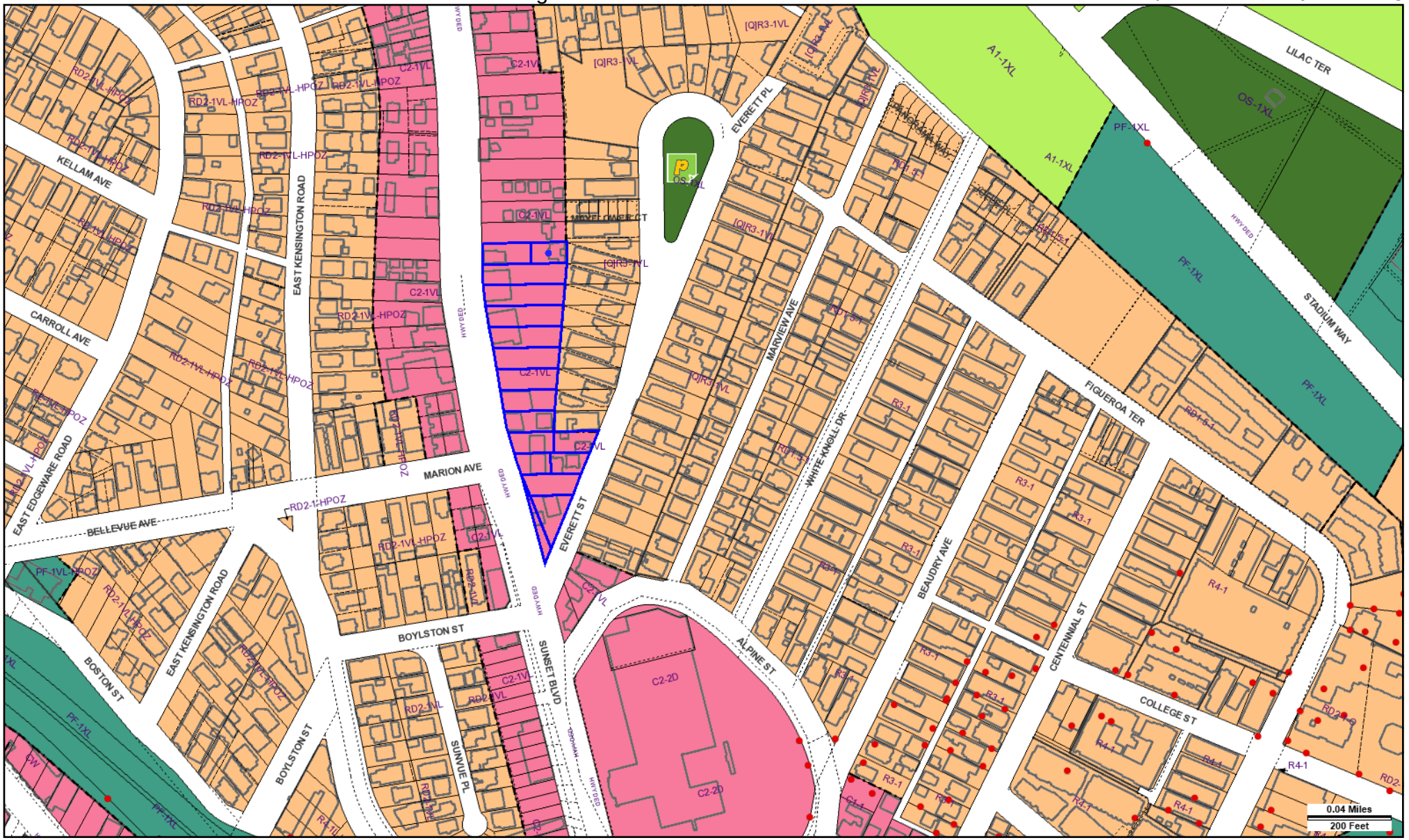
Vicinity Map
Radius Map
Zoning Map

ZIMAS PUBLIC

Generalized Zoning

02/15/2023

City of Los Angeles
Department of City Planning



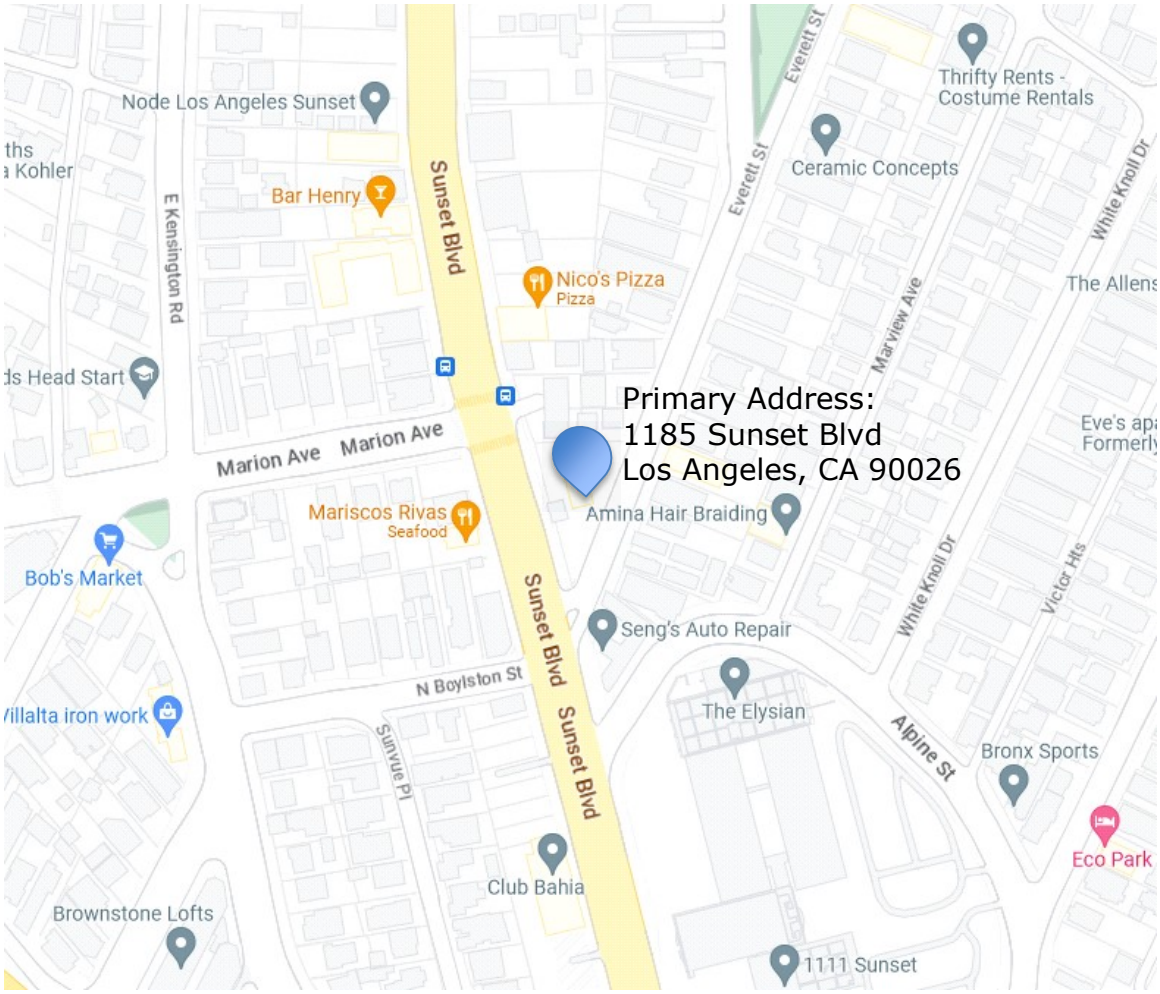
Address: undefined
APN: 5406016023
PIN #: 136-5A211 89

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 21
Arb: 2

Zoning: C2-1VL
General Plan: General Commercial

N
W
E
S

VICINITY MAP



Address: 1185-1247 Sunset Boulevard; 917-927 Everett Street
Los Angeles, CA 90026

EXHIBIT C

Environmental Documents

(ENV-2023-5529-SCEA), Appendices, Responses to Comments

LOS ANGELES
DEPARTMENT OF CITY
PLANNING
221 North Figueroa St., Suite 1350
Los Angeles, CA 90012

SUSTAINABLE COMMUNITIES ENVIRONMENTAL ASSESSMENT

Sunset and Everett Project

Environmental Case Number: ENV-2023-5529-SCEA
Related Case Number: CPC-2023-5528-DB-SPR-HCA-MCUB

Project Location: 1185, 1187, 1193, 1195, 1197, 1201, 1205, 1207, 1211, 1215, 1221, 1225, 1229, 1233, 1239, 1243, 1245, 1247 W. Sunset Boulevard and 917 N. Everett Street, Los Angeles, CA 90026

Community Plan Area: Silver Lake-Echo Park-Elysian Valley

Council District: 1 - Hernandez

Project Description: The Project Site is located on the east side of Sunset Boulevard, north of Everett Street, in the Silver Lake-Echo Park-Elysian Valley Community Plan area of the City of Los Angeles. The Site is currently vacant. The Applicant proposes the development of a mixed-use project comprised of two buildings with 327 residential units that include 41 Very Low Income affordable units and approximately 9,462 square feet of ground-floor commercial space for a total floor area of 321,300 square feet. Discretionary entitlements, reviews, permits and approvals required to implement the Project will include, but are not necessarily limited to, the following: 1) **Density Bonus Compliance Review (DB)**, pursuant to LAMC Section 12.22 A.25(g)(3), for a Project having 327 residential dwelling units, including 41 units reserved for Very Low Income households, with the following On and Off-Menu Incentives: a) **On-Menu Incentive**, for an increase in the Floor Area Ratio (FAR) to 3.0:1 in lieu of the otherwise allowable maximum of 1.5:1 in the C2-1 Zone. b) **Off-Menu Incentive**, for a 30% reduction in open space to allow 24,540 in lieu of the otherwise required 35,050 square feet; c) **Off-Menu Incentive**, for additional height and stories: for Building A, for a 34-foot height increase for a height of 91 feet as measured from grade, (57 feet plus 34 feet) and an 85-foot height as measured from Plumb Height (45 feet plus 40 feet) and seven stories in lieu of the otherwise allowed three stories; and for Building B, for a 29-foot height increase for a height of 86 feet as measured from grade (57 feet plus 29 feet) and an 81.5-foot height as measured from Plumb Height (45 feet plus 36.5 feet) and seven stories in lieu of the otherwise allowed three stories. 2) **Site Plan Review (SPR)** pursuant to LAMC Section 16.05, for a development project that results in an increase of 50 or more dwelling units and/or guest rooms. 3) **Main Conditional Use Permit (MCUB)**, pursuant to LAMC Section 12.24.W.1 of Chapter 1 and LAMC Section 13.B.2.2 of Chapter 1A, to allow the sale and dispensing of a full line of alcoholic beverages for on-site and off-site consumption, in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five establishments with up to 300 indoor seats, and 75 outdoor seats, for a total of up to 375 patrons. 4) Approval of a **Haul Route** for a project located within a Special Grading Area with greater than 1,000 cubic yards of export.

PREPARED FOR:
The City of Los Angeles
Los Angeles City Planning

PREPARED BY:
CAJA Environmental Services, LLC
9410 Topanga Canyon Blvd.,
Suite 101, Chatsworth, CA 91311

APPLICANT:
Aragon (Sunset/Everett)
Properties Corporation
1750 Glendale Boulevard, Unit
102, Los Angeles, CA 90026

March 2024

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Appendices

A Plans, KTGY Architecture and Planning, February 6, 2024
B Air Quality Technical Report and Technical Appendix, DKA Planning, October 2023
C Protected Tree Report, JTL Consultants, August 31, 2023
D-1 Historical Resources Technical Report, GPA, June 2023
D-2 CHRIS Records Search, South Central Coastal Information Center, July 27, 2015
E Energy Calculations, CAJA Environmental Services, October 2023
F-1 Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023

F-2 Soils Review Letter, Los Angeles Department of Building and Safety, October 17, 2023

F-3 Response Letter, Geotechnologies, December 6, 2023

F-4 Supplemental Geotechnical Engineering Investigation, Geotechnologies, December 7, 2023

F-5 Soils Review Letter, Los Angeles Department of Building and Safety, January 16, 2024

F-6 Response Letter, Geotechnologies, January 26, 2024

F-7 Soils Approval Letter, Los Angeles Department of Building and Safety, February 12, 2024

F-8 Paleontological Resources, Natural History Museum, October 22, 2023

G Greenhouse Gas Technical Report and Technical Appendix, DKA Planning, October 2023

H-1 Phase I Environmental Site Assessment, AEI, October 26, 2023

H-2 Methane Investigation Report, Methane Specialists, May 11, 2023

I-1 Noise Technical Report and Technical Appendix, DKA Planning, October 2023

I-2 Vibration Technical Report and Technical Appendix, DKA Planning, October 2023

J-1 Police Response, Los Angeles Police Department, December 7, 2023

J-2 School Response, Los Angeles Unified School District, January 11, 2024

J-3 Park Response, Los Angeles Department of Recreation and Parks, October 30, 2023

J-4 Library Response, Los Angeles Public Library, October 12, 2023

K-1 Transportation Assessment, Fehr & Peers, October 2023

K-2 Approval Letter, Los Angeles Department of Transportation, December 7, 2023

L-1 Wastewater Response, Los Angeles Bureau of Sanitation, October 17, 2023

L-2 Water Response, Los Angeles Department of Water and Power, December 1, 2023

Section 1
Introduction

An application for the proposed Sunset and Everett Project (Project) has been submitted to the City of Los Angeles Department of City Planning (Department of City Planning) for discretionary review. The Department of City Planning, as Lead Agency, has determined that the Project is subject to the California Environmental Quality Act (CEQA).

This Sustainable Communities Environmental Assessment (SCEA) evaluates the potential environmental effects that could result from the construction, implementation, and operation of the Project. As part of this SCEA, an Initial Study has been prepared (refer to Section 5, Environmental Impact Analysis, of this SCEA) in accordance with CEQA (Public Resources Code Section 21000 et seq.), the State CEQA Guidelines (Title 14, California Code of Regulations, Section 15000 et seq.), and the City of Los Angeles CEQA Guidelines (1981, amended 2006). For preparation of the Initial Study, the City uses Appendix G of the State CEQA Guidelines as the thresholds of significance unless another threshold of significance is expressly identified in the document. Based on the analysis provided within this SCEA, the City has concluded that the Project qualifies as a Transit Priority Project (TPP), is consistent with an adopted Sustainable Communities Strategy (SCS) that has been accepted by the California Air Resources Board (CARB) as meeting the State's greenhouse gas (GHG) reduction targets, and that the Project would not result in significant impacts on the environment. This SCEA is intended as an informational document, which is ultimately required to be considered and adopted by the decision-making body of the City in conjunction with approval of the Project.

1 Purpose

The California Environmental Quality Act (CEQA) was enacted in 1970 with several basic purposes, including: (1) to inform governmental decision makers and the public about the potential significant environmental effects of proposed projects; (2) to identify ways that environmental damage can be avoided or significantly reduced; (3) to prevent significant, avoidable damage to the environment by requiring changes in projects through the use of feasible alternatives or mitigation measures; and (4) to disclose to the public the reasons behind a project's approval even if significant environmental effects are anticipated.

Public Resources Code Section 21155.2(b)(1) requires that an Initial Study be prepared for each SCEA. An Initial Study is a preliminary analysis conducted by the lead agency, in consultation with other agencies (responsible or trustee agencies, as applicable), to determine whether there is substantial evidence that a project may have a significant effect on the environment. If a qualifying project meets certain criteria described below and the Initial Study shows that any potential significant effects would be avoided or mitigated to a point where clearly no significant effects would occur through project mitigation measures, a SCEA may be prepared. If it is determined in the Initial Study that there is substantial evidence, in light of the whole record before

the agency, that the project may have a significant effect on the environment, an Environmental Impact Report (EIR) is normally required.[1]

1.1 Senate Bill 375

The State of California adopted Senate Bill (SB) 375, also known as the "Sustainable Communities and Climate Protection Act of 2008," which outlines growth strategies that better integrate regional land use and transportation planning and that help meet the State of California's GHG emissions reduction mandates. SB 375 requires the State's 18 metropolitan planning organizations to incorporate an SCS into the regional transportation plans to achieve their respective region's GHG emission reduction targets set by the CARB. Correspondingly, SB 375 provides various CEQA streamlining provisions for projects that are consistent with an adopted applicable SCS and meet certain objective criteria. The SCEA is one of these streamlining tools.

The Southern California Association of Governments (SCAG) is the metropolitan planning organization for the County of Los Angeles (along with the Counties of Imperial, San Bernardino, Riverside, Orange, and Ventura). On September 3, 2020, SCAG's Regional Council adopted Resolution 20-624-1, which approved the 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS, also known as Connect SoCal) in its entirety. For the SCAG region, CARB has set GHG emissions reduction targets at 19 percent below 2005 per capita emissions levels by 2035. SCAG's resolution adopting the 2020–2045 RTP/SCS also determined that the SCS includes strategies to meet the requirements of SB 375 to achieve these GHG emission reduction goals and directed SCAG staff to submit the 2020–2045 RTP/SCS to CARB for review and certification in this regard. On October 30, 2020, pursuant to Executive Order No. G-20-239, CARB "accept[ed] the SCAG determination that its 2020 SCS would, when implemented, meet the emissions reduction target for automobiles and light trucks as established by CARB in 2018, specifically, a 19 percent per capita reduction by 2035 relative to 2005 levels."

SB 375 allows the City, acting as Lead Agency, to prepare a SCEA as the environmental CEQA clearance for Transit Priority Projects (TPPs), as described below, that are consistent with the 2020–2045 RTP/SCS.

1.2 Purpose and Content of a SCEA

The purpose of a SCEA is to evaluate the environmental effects of a project in accordance with CEQA and PRC Sections 21155 and 21155.2. In addition, a SCEA must evaluate a project's consistency with SCAG's RTP/SCS and incorporate feasible mitigation measures, performance standards, and/or criteria from prior applicable EIRs into the proposed project.

The SCEA form of CEQA documentation was established by SB 375 to provide streamlined environmental review for certain TPPs. TPPs are residential or mixed-use residential projects that provide a minimum net density of 20 dwelling units per acre and are located within one-half mile

[1] State CEQA Guidelines Section 15063(b)(1) identifies the following three options for the lead agency when there is substantial evidence that the project may cause a significant effect on the environment: (A) Prepare an EIR, or (B) Use a previously prepared EIR which the Lead Agency determines would adequately analyze the project at hand, or (C) Determine, pursuant to a program EIR, tiering, or another appropriate process, which of a project's effects were adequately examined by an earlier EIR or negative declaration.

of a major transit stop or high-quality transit corridor (Public Resources Code Section 21155(b)). The intent of the CEQA streamlining provisions is to reduce documentation and redundancy and to provide an incentive for TPPs that are consistent with a larger effort to reduce GHG emissions by integrating transportation and land use planning.

A SCEA is comparable to a Mitigated Negative Declaration (MND) in that the lead agency must find that all potentially significant impacts of a project have been identified, adequately analyzed, and mitigated to a less than significant level. A SCEA must also identify any cumulative impacts that have been adequately addressed and mitigated in a prior applicable certified EIR. Where the lead agency determines the impact has been adequately addressed and mitigated, the impact shall not be considered cumulatively considerable. Also, a SCEA is not required to reference, describe, or discuss growth-inducing impacts and project specific or cumulative impacts from cars and light duty truck trips on global warming or the regional transportation network.

A draft of the SCEA shall be circulated for a public comment period of not less than 30 days, and the lead agency shall consider all comments received prior to acting on the SCEA. The lead agency's decision to review and approve a project with a SCEA shall be reviewed under the substantial evidence standard.

2 Organization of the SCEA

This SCEA is organized as follows:

1 Introduction

The Introduction describes the purpose and content of the SCEA and provides an overview of the CEQA process.

2 Executive Summary

The Executive Summary provides Project information, identifies key areas of environmental concern, and includes a determination of whether the project may have a significant effect on the environment.

3 Project Description

This section provides a description of the environmental setting and the Project, including project characteristics and a list of discretionary actions.

4 SCEA Criteria And Consistency Analysis

The SCEA Criteria and Consistency Analysis demonstrates that the Project qualifies as a Transit Priority Project and is consistent with the Sustainable Communities Strategy.

5 Evaluation Of Environmental Impacts

The Evaluation of Environmental Impacts contains the completed Initial Study Checklist and the environmental factors that would be potentially affected by the Project. The Initial Study Checklist

includes existing mitigation measures from the RTP/SCS and any other relevant plans and demonstrates why they have or have not been incorporated into the Project.

6 Mitigation Monitoring Program

Outlines the implementation of the Project's mitigation measures and project design features and identifies enforcement and monitoring agencies responsibilities.

7 Appendices

Includes various documents, technical reports, and information used in preparation of the SCEA and can be found in the case file at the City of Los Angeles Department of City Planning.

3 CEQA Process

Below is a general background and overview of the CEQA process. The CEQA process is guided by the CEQA statutes and guidelines, which can be found on the State of California's website (http://resources.ca.gov/ceqa).

The City has prepared this SCEA to determine if the Project qualifies as a TPP, is consistent with the SCS, and if it may have a significant effect on the environment. This SCEA determined that the Project meets the criteria for a SCEA and would not have a significant effect on the environment. A Notice of Completion and Availability (NOC/NOA) is circulated to notify public agencies and the general public that a draft of the SCEA is available for review and comment for a period of at least 30 days. CEQA requires that the legislative body (i.e., City Council) or planning commission of the lead agency conduct a public hearing and consider all comments received prior to acting on the SCEA. The lead agency may then adopt the SCEA, provided it finds the following:

a) All potentially significant or significant effects required to be identified in the Initial Study have been identified and analyzed, and

b) With respect to each significant effect on the environment required to be identified in the initial study, either of the following apply:

   i. Changes or alterations have been required in or incorporated into the project that avoid or mitigate the significant effects to a level of insignificance.

   ii. Those changes or alterations are within the responsibility and jurisdiction of another public agency and have been, or can and should be, adopted by that other agency.

Section 2

Executive Summary

PROJECT TITLE	**Sunset and Everett Project**
ENVIRONMENTAL CASE NO.	ENV-2023-5529-SCEA
RELATED CASES	CPC-2023-5528-DB-SPR-HCA-MCUB

PROJECT LOCATION	**1185, 1187, 1193, 1195, 1197, 1201, 1205, 1207, 1211, 1215, 1221, 1225, 1229, 1233, 1239, 1243, 1245, 1247 W. Sunset Boulevard and 917 N. Everett Street, Los Angeles, CA 90026**
COMMUNITY PLAN AREA	Silver Lake-Echo Park-Elysian Valley
GENERAL PLAN DESIGNATION	General Commercial
ZONING	C2-1VL
COUNCIL DISTRICT	1 - Hernandez

LEAD AGENCY	**City of Los Angeles**
CITY DEPARTMENT	Los Angeles City Planning
STAFF CONTACT	Esther Ahn, City Planner
ADDRESS	200 North Spring Street, Room 763 Los Angeles, CA 90012
PHONE NUMBER	213-978-1486
EMAIL	esther.ahn@lacity.org

APPLICANT	**Aragon (Sunset/Everett) Properties Corporation**
ADDRESS	1750 Glendale Boulevard, Unit 102 Los Angeles, CA 90026
PHONE NUMBER	(818) 726-4818

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

None of the environmental factors listed below would be potentially affected by the Project, as indicated by the checklist on the following pages (refer to **Section 5, Environmental Impact Analysis**, of this SCEA).

☐ Aesthetics	☐ Greenhouse Gas Emissions	☐ Public Services
☐ Agriculture & Forestry Resources	☐ Hazards & Hazardous Materials	☐ Recreation
☐ Air Quality	☐ Hydrology/Water Quality	☐ Transportation
☐ Biological Resources	☐ Land Use/Planning	☐ Tribal Cultural Resources
☐ Cultural Resources	☐ Mineral Resources	☐ Utilities/Service Systems
☐ Energy	☐ Noise	☐ Wildfire
☐ Geology/Soils	☐ Population/Housing	☐ Mandatory Findings of Significance
		☒ None Identified

DETERMINATION

(To be completed by the Lead Agency)

On the basis of this initial evaluation:

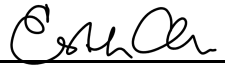
☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions on the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☒ I find that the Project is a qualified "transit priority project" that satisfies the requirements of Sections 21155 and 21155.2 of the Public Resources Code (PRC), and/or a qualified “residential or mixed use residential project” that satisfies the requirements of Section 21159.28(d) of the PRC, and although the project could have a potentially significant effect on the environment, there will not be a significant effect in this case, because the SUSTAINABLE COMMUNITIES ENVIRONMENTAL ASSESSMENT (SCEA) identifies measures that either avoid or mitigate to a level of insignificance all potentially significant or significant effects of the Project.

Esther Ahn, City Planner  March 14, 2024

PRINTED NAME, TITLE **DATE**

EVALUATION OF ENVIRONMENTAL IMPACTS

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less that significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Less Than Significant With Mitigation Incorporated" applies where the incorporation of a mitigation measure has reduced an effect from "Potentially Significant Impact" to "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analysis," as described in (5) below, may be cross referenced).

5) Earlier analysis must be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR, or negative declaration. Section 15063 (c)(3)(D). In this case, a brief discussion should identify the following:

   a) Earlier Analysis Used. Identify and state where they are available for review.

   b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   c) Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A sources list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whichever format is selected.

9) The explanation of each issue should identify:

   a) The significance criteria or threshold, if any, used to evaluate each question; and

   b) The mitigation measure identified, if any, to reduce the impact to less than significance.

Section 3
Project Description

This section is based on the following item, which is included as **Appendix A** to this SCEA:

A Plans, KTGY Architecture and Planning, February 6, 2024

1 Environmental Setting

1.1 Project Location

The Project Site is located on the east side of Sunset Boulevard, north of Everett Street, in the Silver Lake-Echo Park-Elysian Valley Community Plan area of the City of Los Angeles (City) in the County of Los Angeles (County).

The Site is approximately 0.5 mile north of Downtown Los Angeles and the Pacific Ocean is approximately 14 miles west of the Site. The Site is 950 feet south of Vin Sculley Avenue entrance, which provides access to the Sunset Gate to Dodger Stadium.

See **Figure 3-1, Regional Map**, for the location of the Project within the context of the City.

See **Figure 3-2, Aerial Map**, for an aerial view of the Site and the immediate surrounding area.

1.2 Surrounding Land Uses

North adjacent to the Site are 5 separate 2-story multi-family residential bungalow buildings (1251-1255 Sunset Boulevard). These buildings are vacant and appear abandoned. This area is zoned C2-1VL.

South across Everett Street is an auto repair building (currently Seng's Auto Repair, 1165 Sunset Boulevard). This area is zoned C2-1VL.

West across Sunset Boulevard are commercial and residential buildings, from north to south:

- Vacant lot (1242-1246 Sunset Boulevard)
- 2-story multi-family residential (currently Node Los Angles Sunset, 1236-1240 Sunset Boulevard)
- 3-story multi-family residential (currently SCSH Development, 1234 Sunset Boulevard)
- 2-story multi-family residential (1230-1232 Sunset Boulevard)
- 2-story commercial and bar (currently Bar Henry, 1226-1228 Sunset Boulevard)
- 3-story residential and commercial (1214-1220 Sunset Boulevard)
- 3 separate 2-story multi-family residential (1202-1212 Sunset Boulevard)

- 1-story residential building (1186-1192 Sunset Boulevard)

East adjacent to the Site are several 1- to 3-story, multi-family residential buildings (921-981 Everett Street). This area is zoned [Q]R3-1VL and C2-1VL.

The nearest residential uses:

- Multi-family residential building (921-981 Everett Street), 5 feet east of the Site
- Multi-family residential building (1251-1255 Sunset Boulevard), 5 feet north of the Site. Note these buildings are vacant and abandoned.
- Multi-family residential buildings (along west side of Sunset Boulevard), 100 feet west of the Site
- Multi-family residential buildings (1190 Sunset Boulevard), 110 feet west of the Site

The nearest schools:

- Little Friends Head Start Pre-School (707 Kensington Road), approximately 500 feet west
- Foundation for Early Childhood Education (1010 Douglas Street), approximately 1,150 feet northwest
- Downtown Magnets School (1081 Temple Street), approximately 1,400 feet south
- Evans Adult School (717 Figueroa Street), approximately 1,600 feet southeast

The nearest historic resources in the vicinity:[1],[2]

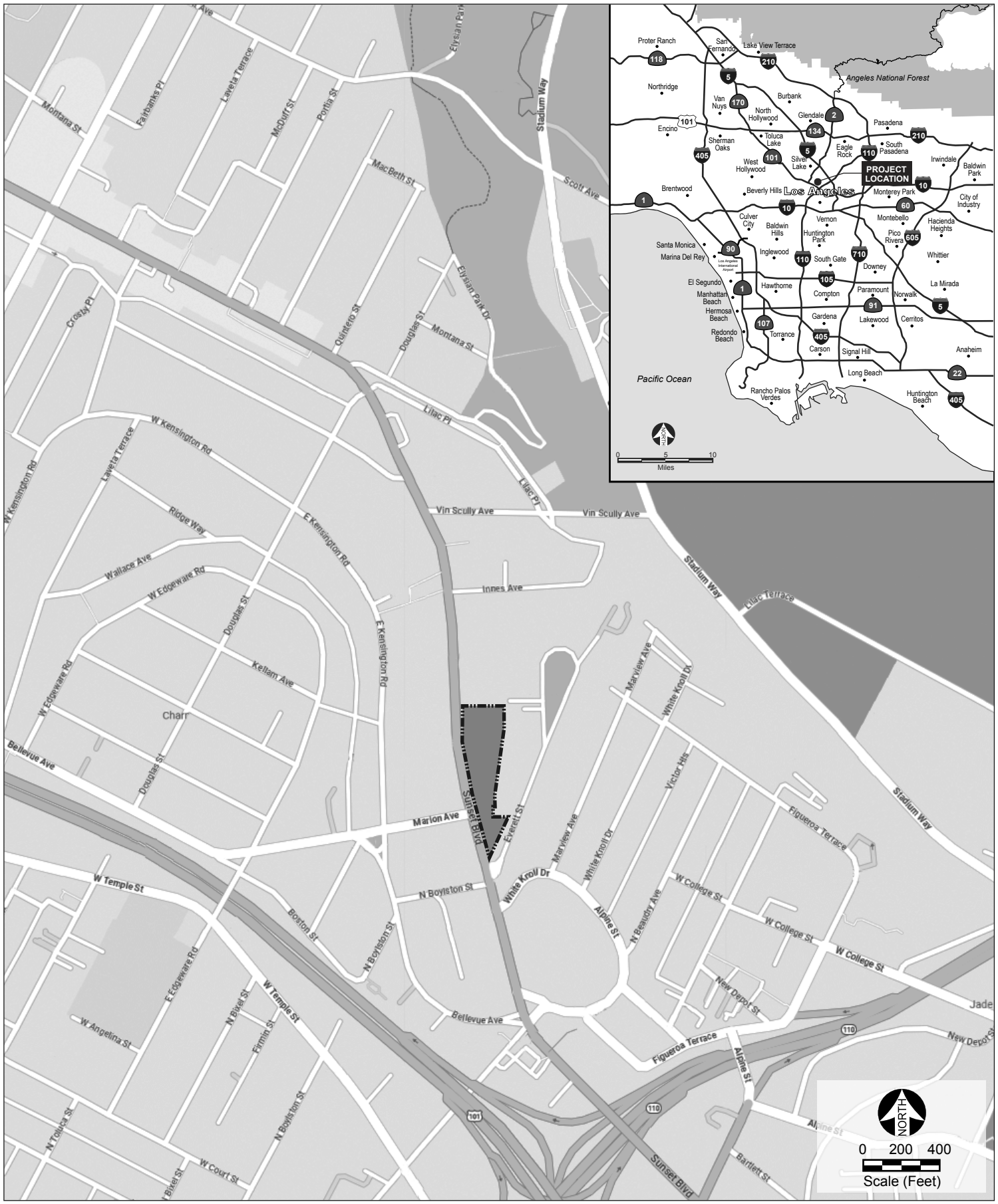
- Angelino Heights Historic Preservation Overlay Zone (HPOZ), 275 feet west of the Site with frontage along Kensington Road[3]
- Restovich House (1001 Everett Street)[4], 160 feet northeast of the Site
- Metropolitan Water District Complex (1111 Sunset Boulevard), 200 feet south of the Site
- Sunset Streetcar Mixed-Use Historic District (1282-1298 Sunset Boulevard), 340 feet northwest of the Site
- Sunset-East Kensington Public Stairways (1302 Sunset Boulevard and 1270 Sunset Boulevard), 235 feet northwest of the Site

1 HistoricPlacesLA.org and NavigateLA, Historic layer: https://navigatela.lacity.org/navigatela/

2 Historical Resources Technical Report, GPA, June 2023, included as **Appendix D-1** of this SCEA.

3 https://planning.lacity.org/preservation-design/overlays/angelino-heights

4 http://historicplacesla.org/reports/3a404d67-7135-4b3b-9035-473dc7162687

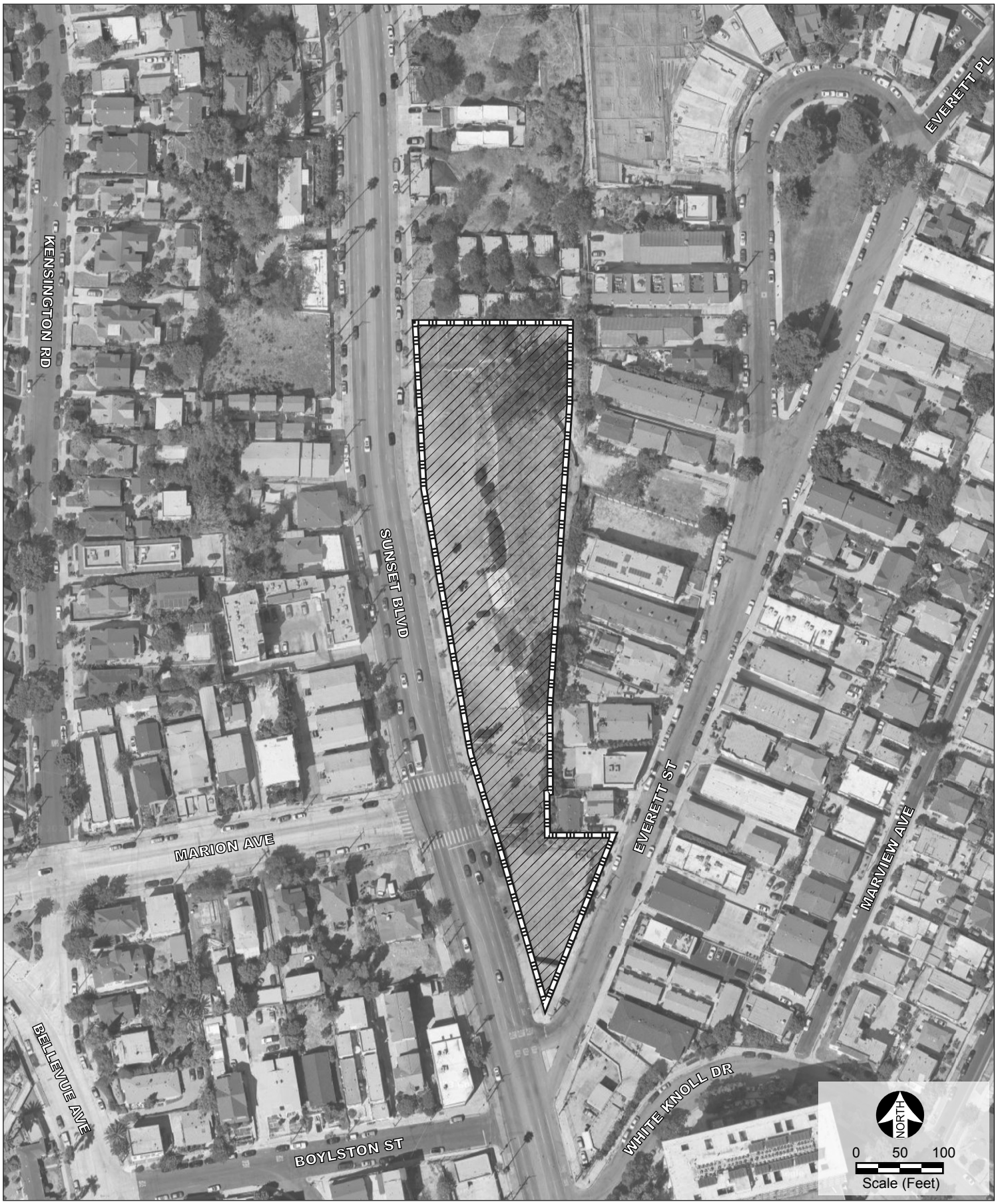


Legend

Project Site

Source: Google Maps 2023.

Figure 3-1
Regional Location Map



Legend

Project Site

Source: Google Maps 2023.

Figure 3-2
Aerial Map

1.3 Regional and Local Access

Regional access is provided by:

- US-101 (Hollywood) Freeway, 1,080 feet southwest of the Site
- SR-110 (Harbor) Freeway, 1,450 feet southeast of the Site

Local access is provided by:[5]

- Sunset Boulevard (Avenue I in the Mobility Plan 2035), adjacent west of the Site
- Everett Street (Local Street Standard), adjacent south of the Site
- Marion Street (Collector), 100 feet west of the Site
- Beaudry Avenue (Avenue II), 850 feet south of the Site

1.4 Bicycle Facilities

The following bicycle facilities are located nearby:[6]

- Bicycle-friendly streets:[7]
    - Sunset Boulevard, adjacent west of the Site
    - Marion Avenue, 100 feet west of the Site
    - Beaudry Avenue, 850 feet south of the Site
- Metro Bike Share station:[8]
    - Sunset Boulevard and Lilac Place, 1,450 feet north of the Site
    - Figueroa Street and Cesar Chavez Avenue, 2,000 feet southeast of the Site

1.5 Pedestrian Facilities

There is a sidewalk along the Project Site's west side on Sunset Boulevard and southern boundary on Everett Street. Striped crosswalks are provided at all legs of the nearest signalized intersection (Sunset Boulevard and Marion Avenue, directly west of the Site).

5 NavigateLA, Mobility Plan 2035: https://navigatela.lacity.org/navigatela/, accessed January 5, 2023.

6 LADOT Programs: https://ladotlivablestreets.org/programs/active-transportation/maps

7 According to LADOT's Bike Program, Bicycle Friendly Streets (BFS) facilities parallel major corridors and provide a calmer, safer alternative for bicyclists of all ages and skill levels. BFS are multi-modal streets, which means that they accommodate all neighborhood users from cars, to bikes, to pedestrians. https://ladotbikeblog.wordpress.com/bfs/

8 Metro Bike Share: https://bikeshare.metro.net/stations/, accessed January 5, 2023.

1.6 Public Transit

The Site is within a High-Quality Transit Area (HQTA),[9] which are areas within one-half mile of a high-quality transit corridor, which is a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.[10] The City of Los Angeles defines peak commute hours as between 6:00 AM and 9:00 AM and between 3:00 PM and 7:00 PM.[11]

Los Angeles County Metropolitan Transportation Authority (Metro)[12] and Los Angeles Department of Transportation (LADOT)[13] operate public transit in the area, as shown in **Table 3-1, Public Transit**.

Table 3-1
Public Transit

Line	Type	Direction	Stop	Distance to Site	Service (Peak Period)
Metro					
4	Bus	West-east on Sunset	Marion	Adjacent west	7.5 minutes
10	Bus	West-east on Temple	Edgeware	1,515 feet southwest	10-20 minutes
48	Bus	West-east on Temple	Edgeware	1,515 feet southwest	30 minutes
55	Bus	North-south on Figueroa	Cesar Chavez	2,075 feet southeast	12-15 minutes
60	Bus	West-east on Sunset	Figueroa	2,075 feet southeast	5-8 minutes
92	Bus	North-south on Edgeware	Bellevue	1,275 feet west	20 minutes
A and E	Train	Grand Ave Arts / Bunker Hill Station		4,500 feet south	10 minutes
LADOT					
Pico Union	Bus	North-south on Edgeware	Bellevue	1,275 feet west	14 minutes
Lincoln Hts	Bus	West-east on Cesar Chavez	Figueroa	2,075 feet southeast	30 minutes
Distances are measured from the nearest Project Site property line to the bus stop or station entrance. Metro 4 Line schedule (June 25, 2023): https://www.metro.net/riding/schedules/?line=4-13168 Metro 10/48 (June 25, 2023): https://www.metro.net/riding/schedules/?line=10-13168 Metro 55 Line schedule (June 25, 2023): https://www.metro.net/riding/schedules/?line=55-13168 Metro 60 Line schedule (June 25, 2023): https://www.metro.net/riding/schedules/?line=60-13168 Metro 92 Line schedule (June 25, 2023): https://www.metro.net/riding/schedules/?line=92-13168 Metro A Line (June 16, 2023): https://www.metro.net/riding/schedules/?line=801 Metro L Line (June 16, 2023): https://www.metro.net/riding/schedules/?line=804 LADOT Lincoln Hts (July 2023): https://www.ladottransit.com/dash/routes/lincolnheights/lincolnheights.html LADOT Pico Union/Echo Park (July 2023): https://www.ladottransit.com/dash/routes/puep/puep.html					

9 SCAG, HQTA 2016 based on the 2020-2045 RTP/SCS: https://gisdata-scag.opendata.arcgis.com/datasets/high-quality-transit-areas-hqta-2016-scag-region?geometry=-121.570%2C33.364%2C-114.731%2C34.954, accessed January 5, 2023.

10 SCAG, Connect SoCal, Active Transportation Technical Report, page 26: https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal_active-transportation.pdf?1606001530, accessed January 5, 2023.

11 Transit Oriented Communities Affordable Housing Incentive Program Guidelines (February 26, 2018), Appendix A: https://planning.lacity.org/odocument/39fae0ef-f41d-49cc-9bd2-4e7a2eb528dd/TOCGuidelines.pdf, accessed October 20, 2023.

12 Metro System Map: https://www.metro.net/riding/guide/system-maps/, accessed January 5, 2023.

13 LADOT Transit: https://www.ladottransit.com/dash/, accessed January 5, 2023.

3.7 Planning and Zoning

Table 3-2, Project Site, lists the Site's APNs, zoning, and General Plan land use designation. The Site is zoned C2-1VL (Commercial zone in Height District 1VL) and is subject to a General Commercial land use designation.[14] Corresponding zones for this designation are RAS3, CR, C1.5, C2, C4, and P. In addition to commercial uses, the C2 zone permits residential uses at one (1) dwelling unit per 400 square feet of lot area. Height District 1VL, in conjunction with the Site's C2 zoning, permits a base 1.5:1 Floor Area Ratio (FAR) and a maximum height of 45 feet.

Table 3-2
Project Site

Address	Lot	APN	Zone	Land Use
1185, 1187 W. Sunset Boulevard	1	5406-016-028	C2-1VL	General Commercial
None	-			
1193 W. Sunset Boulevard, 917 N. Everett Street	2			
1195, 1197 W. Sunset Boulevard	3	5406-016-003		
1201 W. Sunset Boulevard	4	5406-016-006		
1205, 1207 W. Sunset Boulevard	5	5406-016-007		
1211 W. Sunset Boulevard	7	5406-016-010		
1215 W. Sunset Boulevard	9	5406-016-011		
1221 W. Sunset Boulevard	11	5406-016-013		
1225 W. Sunset Boulevard	13	5406-016-016		
1229 W. Sunset Boulevard	15			
1233 W. Sunset Boulevard	17	5406-016-019		
1239 W. Sunset Boulevard	19			
1243, 1245 W. Sunset Boulevard	21	5406-016-021		
None		5406-016-023		
1247 W. Sunset Boulevard	23			
Source: Zone Information & Map Access System (ZIMAS): http://zimas.lacity.org, January 2023.				

The Project Site is located within a Methane Zone.[15]

The Project Site is located within a Special Grading Area (SGA) according to the Bureau of Engineering (BOE).[16]

The Project Site has the following zoning classifications:

- ZI-2452 Transit Priority Area in the City of Los Angeles
- ZI-2512 Housing Element Inventory of Sites
- ZI-2374 State Enterprise Zone: East Los Angeles

The Project Site is identified in ZIMAS as being located within a Transit Oriented Communities (TOC) housing incentive area (Tier 2) due to being located within one-half mile of a qualified Major

14 Los Angeles Zoning Summary: https://planning.lacity.org/zoning/regulations-summary

15 http://zimas.lacity.org, accessed August 7, 2023.

16 http://zimas.lacity.org, accessed August 7, 2023.

Transit Stop[17] at the intersection of Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street, 2,075 feet southeast of the Site, which is served by Metro bus lines 4, 55, and 60. As shown by **Table 3-1**, these lines have headways of 15 minutes or less during peak hours.

3.8 Existing Conditions

The lot area before dedication is 107,100 square feet (2.459 acres).[18] The Project Site is vacant of all structures and contains 6,000 square feet of asphalt.

The Project Site contains several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds. There are seven Mexican fan palm (*Washingtonia robusta*) street trees along Sunset Boulevard.[19] Therefore, there is nothing onsite that constitutes a protected tree or shrub.[20]

4 Proposed Project

4.1 Project Overview

The Project will construct a mixed-use residential and commercial development with 327 residential units (286 market-rate units and 41 affordable units), and 9,462 square feet of commercial space that could be occupied by high-turnover sit-down restaurant uses.[21] The Project consists of two buildings:

- Building A is located along Sunset Boulevard. Building A is 7-stories with 4 levels of Type IIIA construction over 3 levels of Type I podium.

- Building B is located at the corner of Sunset Boulevard and Everett Street. Building B is 7-stories with 5 levels of Type IIIA construction over 2 levels of Type I podium.

The Project includes 13 studio units, 230 1-bedroom units, 79 2-bedroom units, and 5 3-bedroom units. Six of the units on the ground floor along Sunset Boulevard in Building A would be live/work units. See **Figure 3-3, Site Plan**, for the plan of the Project.

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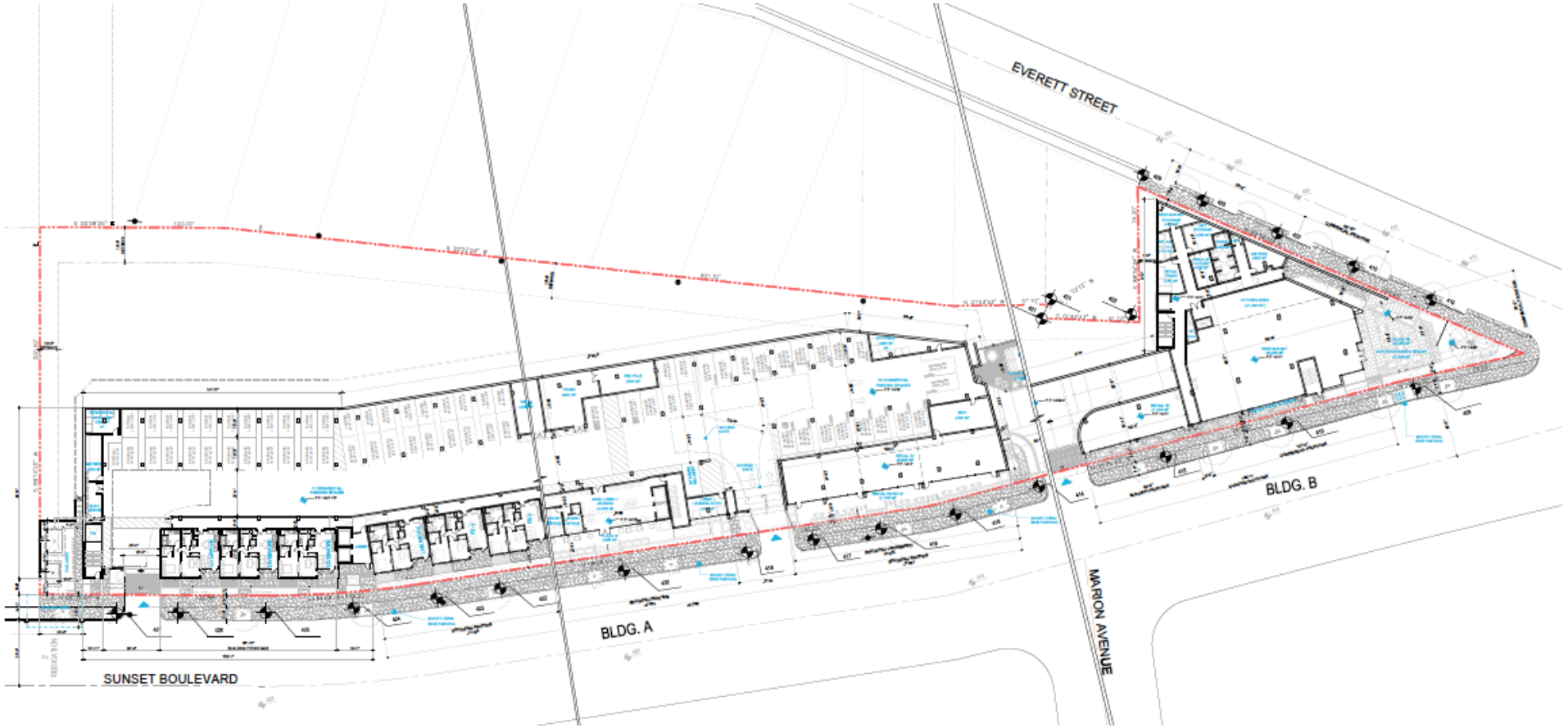
17 Major Transit Stop is a site containing a rail station or the intersection of two or more bus routes with a service interval of 15 minutes or less during the morning and afternoon peak commute periods. The stations or bus routes may be existing, under construction or included in the most recent Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP).

18 Plans, KTGY Architecture and Planning, February 6, 2024, included as **Appendix A** of this SCEA.

19 Protected Tree Report, JTL Consultants, August 21, 2023, included as **Appendix C** of this SCEA.

20 LAMC Section 46.01: "PROTECTED TREE OR SHRUB" means any of the following Southern California indigenous tree species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the tree, or any of the following Southern California indigenous shrub species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the shrub: Protected Trees: (a) Oak tree including Valley Oak (*Quercus lobata*) and California Live Oak (*Quercus agrifolia*), or any other tree of the oak genus indigenous to California but excluding the Scrub Oak (*Quercus berberidifolia*); (b) Southern California Black Walnut (*Juglans californica*); (c) Western Sycamore (*Platanus racemosa*);(d) California Bay (*Umellularia californica*). Protected Shrubs: (a) Mexican Elderberry (*Sambucus mexicana*); (b) Toyon (*Heteromeles arbutifolia*). This definition shall not include any tree or shrub grown or held for sale by a licensed nursery, or trees or shrubs planted or grown as a part of a planting program.

21 Transportation Assessment, Fehr & Peers, October 2023, included as **Appendix K-1** of this SCEA.



Source: KTGY Architecture + Planning, 2024.

Figure 3-3
Site Plan

4.2 Design and Architecture

See **Appendix A** of this SCEA for floor plans, elevations, sections, and renderings. The Project has been designed as integrated structures with articulation and variation consistent with applicable City design guidance. Parking spaces within the buildings (ground and subterranean levels) and residential units located within the buildings have been integrated into the overall architectural theme of the Project.

Commercial spaces will be served by a mix of tenants, including dining and retail. As such, a Main Conditional Use Permit (MCUB) for the sale and consumption of a full line of alcoholic beverages for on-site and off-site consumption has been included with this request to assist with easier tenanting of these spaces.

The buildings' ground levels will incorporate pedestrian scale uses and design, with a street fronting glass. In addition, the buildings' proposed design architecturally differentiates the base of the building from the residential above including colored elements. The upper residential portions of the building incorporate varied articulation including balconies.

The City of Los Angeles Residential Design Guidelines indicate that projects should alternate different textures, colors, materials, and distinctive architectural treatments to add visual interest while avoiding dull and repetitive facades. Building A abuts public streets on one of the four building elevations along Sunset Boulevard. Along this street frontage, there is a variation between the ground floor commercial and residential units and upper residential floors. In addition, the project breaks planes frequently, often between each floor through the use of open space, limiting flat walls. Window openings and balconies punctuate the building's façade and activate the building's elevation at the upper floor levels. Building B abuts both Sunset and Everett on two of its six sides. Building B uses similar techniques, breaking planes and creating overhangs. Both buildings provide large windows, the glass provides a change of material and contrasts with the white walls, the glass railings compliment this style further.

In accordance with the spirit and intent of the Silver Lake-Echo Park-Elysian Valley Community Plan and Citywide Design Guidelines, the buildings use a variety of architectural materials and building planes to create a human-scaled project at the street level and activate the frontage along Sunset Boulevard with a visually compelling and clean design. The buildings feature a series of alternating balconies, glazing, and a white accent color to create an elevated look and add visual interest while avoiding dull and repetitive facades. Landscaping will also be included throughout the ground level pedestrian plaza, and the Project's roof decks to complement the architecture. Plant material has been selected for temperature hardiness and low water use.

The Project is designed with a façade that utilizes a variety of materials, such as trowel stucco, fiber cement, white metal, perforated metal, concrete, opaque glass, composite seating and decking.[22]

These materials add visual interest through different textures and colors. This variation, along with insets and offsets, and street-facing residential windows and storefront glazing at the ground floor, separates the upper residential portions of the buildings from the ground floor parking and

22 Plans, KTGY Architecture and Planning, February 6, 2024, included as **Appendix A** of this SCEA.

lobby entrance, avoids a dull or repetitive façade, and contribute to neighborhood safety by activating the Site and putting more “eyes on the street.”

The buildings provide façade treatments with balconies that highlight the residential nature of the building. All sides of the proposed buildings are articulated with colored elements, glass and metal, windows, and inset and offset architectural elements to create visual interest. Overall variation in building appearance is created with the use of various materials, windows of different widths, and balconies, the landscaped ground floor, and the transition of the ground floor to upper levels.

Rooftop equipment will be set back from the roof parapet edge and appropriately screened from public view. The Project is designed to minimize the visual impact of building mechanics and maintenance areas. Electrical rooms, storage rooms, and trash and recycling areas, are located within the building and are not visible from surrounding public streets and public view.

The Project Site is located in an urbanized and fully developed portion of the City. The built environment and proposed developments are characterized by a variety of architectural styles, age of buildings, type of developments, and size.

4.3 Density

See **Table 3-3** for the density calculation. Pursuant to the City’s General Plan and LAMC Sections 12.14 A.4, 12.13.5 A.1, and 12.11 C.4, the maximum residential density within the C2 zone is generally one dwelling unit for every 400 square feet of lot area, resulting in a maximum density of 267.75 units under the LAMC. This number is rounded up to 268 units to achieve the Site’s base density pursuant to Density Bonus Law.

The Project proposes to set aside 15% (41 units) of the base density for Very Low Income (VLI) units, which under Density Bonus Law and the City’s density bonus ordinance, permits a density bonus of 35%, as well as up to three density bonus incentives or concessions. The Project is electing to utilize a density bonus of only 22% to achieve a total of 327 units, 286 of which will be market rate units and 41 of which will be restricted to VLI households

With a Site area of 2.459 acres, the Project results in a density of 133 units per acre.

Table 3-3
Density

Lot Area	LAMC & Base Density		Density Bonus		Provided
	LAMC Rate	Base Density	Increase	Density	
107,100 sf	1 unit / 400 sf, or 267.75 units	268 units	+22% (+59 units)	327 units	Building A: 279 units Building B: 48 units **Total: 327 units**
LAMC Section 12.22.A.25(c)(7) Fractional Units. In calculating Density Bonus and Restricted Affordable units, any number resulting in a fraction shall be rounded up to the next whole number. Plans, KTGY Architecture and Planning, February 6, 2024.					

4.4 Floor Area

See **Table 3-4** for the floor area and floor area ratio (FAR), or ratio of floor area to the Site's Buildable Area. Per the definition of Buildable Area in LAMC Section 12.03, for development of residential and mixed-use projects in the C2, C4, or C5 zones, Buildable Area shall have the same meaning of lot area. Therefore, the Site's Buildable Area is 107,100 square feet

Under the LAMC, in the C2 zone and Height District 1VL, FAR is normally limited to 1.5:1. With a buildable area of 107,100 square feet, the Site's floor area would therefore be limited to 160,650 square feet.

As noted above, the Project is eligible to receive up to three density bonus incentives/concessions. The Project is requesting an on-menu density bonus incentive (per LAMC Section 12.22.A.25(f)(4)(ii)) to allow an increase in the FAR to 3.0:1.[23] This will allow up to 321,300 square feet of floor area.

The Project proposes a total floor area of 321,300 square feet (3.0:1 FAR). This total is allocated as 311,838 square feet for residential uses and related amenities and 9,462 square feet for commercial restaurant use.

Table 3-4
Floor Area

Buildable Area	LAMC		Density Bonus		Provided	
	FAR	Floor Area	FAR	Floor Area	FAR	Floor Area
107,100 sf	1.5:1	160,650 sf	3.0:1	321,300 sf	3.0:1	321,300 sf
Plans, KTGY Architecture and Planning, February 6, 2024.						

4.5 Setbacks

In the C2, C4, and C5 zones, no front yards are required. Pursuant to LAMC Section 12.22.A.18(c)(3), no yard requirements shall apply to the residential portions of buildings located on lots in the CR, C1, C1.5, C2, C4, and C5 Zones used for combined commercial and residential uses, if such portions are used exclusively for residential uses, and abut a street, private street or alley, and the first floor of such buildings at ground level is used for commercial uses or for access to the residential portions of such buildings. An interior side setback is required pursuant to LAMC Section 12.16.C.2 and a rear setback is required by LAMC Section 12.16.C.3.

See **Table 3-5** for the required setbacks for the Project. The Project is compliant with the setbacks for the C2-1VL Zone, and is entitled to zero-foot yards along both street frontages at Sunset Boulevard and Everett Street. The building is set back five feet from Sunset Boulevard, and five feet from Everett Street at the ground level, which increases to 13 feet and 5 inches for the residential floors above. The northern side yard has a nine foot setback, and the rear yard abutting

[23] This on-menu incentive is available to projects in commercial zones in Height District 1 (including 1VL) that front on a Major Highway, contain sufficient affordable units to qualify for a 35% density bonus, and are located within 1,500 feet of a Metro Rapid Bus Stop. The Project meets each of these criteria.

adjacent properties contains a nine foot setback at the commercial floors which steps back to a 19 feet setback for residential floors above.

Table 3-5
Setbacks

Yard	Location	Required	Provided
Front	West - Sunset	0	5 feet
Side	South - Everett	0	13.5 feet
Side	North – Abutting property	9 feet	9 feet
Rear	East – Abutting property	19 feet	19 feet
LAMC 12.14.C.2 (C2/R4 Zones) Plans, KTGY Architecture and Planning, February 6, 2024.			

4.6 Height

The Project Site is located in the C2 zone and Height District 1VL, which allows 45 feet height above grade (Plumb Height) and 3 stories in a building with a commercial component.

Pursuant to LAMC Section 12.21.1.B.2, whenever the highest point of elevation of the adjoining sidewalk or ground surface within a five-foot horizontal distance measured from the exterior wall of a building exceeds grade level by more than 20 feet, a building or structure may exceed the height in number of feet prescribed in this section by not more than 12 feet.

However, such additional height shall not be permitted to the extent that such additional height causes any portion of the building or structure to exceed a height in number of feet as prescribed by this section as measured from the highest point of the roof structure or parapet wall to the elevation of the ground surface which is vertically below this roof structure or parapet wall to the elevation of the ground surface which is vertically below this point of measurement. The Site is characterized by a sloping topography that makes this LAMC provision applicable to the Project. With the additional 12 feet provided by LAMC Section 12.21.1.B.2, the Site's base height is 57 feet.[24]

The Project is seeking an off-menu height incentive to allow the following building height measurements:

- Building A is 7 stories with a maximum height of 91 feet as measured from grade (57 feet Base Height plus 34 feet) and 85 feet as measured from Plumb Height (45 feet plus 40 feet).

- Building B is 7 stories with a maximum height of 86 feet as measured from grade (57 feet Base Height plus 29 feet) and 81.5 feet as measured from Plumb Height (45 feet and 36.5 feet).

[24] Pursuant to LAMC Section 12.21.1.B.3, chimney, exhaust ducts, solar water heaters, or any roof structure housing stairways, elevators or ventilation fans may also exceed the building height limit by up to five feet, but are not required to provide a setback from the perimeter of the roof. Where height is limited to 75 feet, roof structures for the housing of elevators and stairways may exceed the building height limit by up to 20 feet in height.

4.7 Open Space

Table 3-6, Open Space, provides the amount of required open space under the LAMC and the open space proposed to be provided by the Project. The Project at its proposed unit mix is required to provide 35,050 square feet of open space. The Project would request an off-menu density bonus incentive, for a 30% reduction in open space to require 24,535 square feet in lieu of the otherwise required 35,050 square feet.

The Project provides 24,540 square feet of qualifying open space, consisting of indoor amenities, roof decks, courtyards, and balconies. In addition, there will be 17,025 square feet of additional public and private open space that does not meet the definition in LAMC Section 12.21.G due to noncompliant dimensions, or being publicly accessible. Thus, the Project provides 41,565 square feet of public and private open space areas. There will be an approximately 45,000 gallon pool (20 feet x 60 feet).

Table 3-6
Open Space

Use	Type	Quantity	Rate	Total (sf)
Required				
< 3 habitable rooms	Studio	13 units	100 sf / unit	1,300
	1-bedroom	230 units		23,000
= 3 habitable rooms	2-bedroom	79 units	125 sf / unit	9,875
> 3 habitable rooms	3-bedroom	5 units	175 sf / unit	875
			Subtotal Required	**35,050**
			30% Reduction	**(10,515)**
			Total Required	**24,535**
Provided				
Common and Indoor			Indoor Amenities	5,913
Common and open to the sky			Courtyard A1 – Level 2	5,950
			Courtyard A2 – Level G2	1,630
			Roof Deck A1 – Level 7	2,975
			Roof Deck B1 – Level 7	758
			Roof Deck B2 – Level 7	1,064
			Total Common Outdoor	**18,290**
Private			Balconies Building A (104 x 50 sf)	**5,200**
			Balconies Building B (21 x 50 sf)	**1,050**
			Total Provided (Compliant)	**24,540**
Other Open Space Not Included in Common Open Space Calculation				**17,025**
			Total Open Space	**41,565**

Per LAMC 12.21.G.2
Habitable Room - An enclosed subdivision in a residential building commonly used for living purposes, but not including any lobby, hall, closet, storage space, water closet, bath, toilet, slop sink, general utility room or service porch. A recess from a room or an alcove (other than a dining area) having 50 square feet or more of floor area and so located that it could be partitioned off to form a habitable room, shall be considered a habitable room.
For the purpose of applying the open space requirements of Section 12.21 G., a kitchen as defined herein shall not be considered a habitable room. A studio and 1-bedroom units have less than 3 habitable rooms. A 2-bedroom has 3 habitable rooms. A 3-bedroom unit has greater than 3 habitable rooms.
Plans, KTGY Architecture and Planning, February 6, 2024.

4.8 Landscaping

See **Table 3-7, Landscape Area and Tree Requirement,** for the required and provided landscape area and trees. Per LAMC Section 12.21.G.a.3, A minimum of 25 percent of the common open space area shall be planted with ground cover, shrubs, or trees. At least one 24-inch box tree for every four dwelling units shall be provided on site and may include street trees in the parkway.

The seven Mexican fan palms on the Sunset Boulevard sidewalk will be protected during the development project by installing tree protection fencing around the trees. The Project arborist will be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures.[25] Should any trimming or removal of these trees become necessary, any such activity would be performed in conformance with the requirements and policies of the City's Urban Forestry Division, Bureau of Street Services regarding street trees.

The tree-of heaven trees onsite are generally considered an invasive plant, rather than trees. These will be removed to accommodate the proposed buildings.

The Project is required to provide 25 percent of the 18,290 square feet of common open space as landscaping, or 4,573 square feet. The Project will provide 12,881 square feet of landscaped common open space on levels 1 through level 7.[26] Additional landscaping will be provided on the slope portion to the rear of Building A. The landscape design has been developed in a manner which includes a variety of drought-tolerant and native species appropriate for the Southern California climate.

The Project will be required to provide at least 82 trees (327 units / 4). The Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[27]

The Project will comply with LAMC requirements for trees and landscaping.

Table 3-7
Landscape Area and Tree Requirement

Use	Requirement	Quantity	Required	Provided
Landscape Area	25% of Common Open Space	18,290 sf	4,573 sf	12,881 sf
Trees	1 tree per 4 residential units	327 units	82 trees	83 trees
Plans, KTGY Architecture and Planning, February 6, 2024.				

4.9 Site Coverage

See **Table 3-8, Site Coverage,** for the percentage of the Site covered by buildings, hardscape, and landscape.

25 Protected Tree Report, JTL Consultants, August 21, 2023, included as **Appendix C** of this SCEA.

26 Plans, KTGY Architecture and Planning, February 6, 2024, included as **Appendix A** of this SCEA.

27 Plans, KTGY Architecture and Planning, February 6, 2024, included as **Appendix A** of this SCEA.

Table 3-8
Site Coverage

	Building A		Building B		Total	
	Percent	**Area**	**Percent**	**Area**	**Percent**	**Area**
Building	42%	44,743 sf	11%	11,580 sf	53%	56,323 sf
Impervious / Hardscape	-	-	-	-	12%	12,852 sf
Pervious	-	-	-	-	35%	37,925 sf
Total	**-**	**-**	**-**	**-**	**100%**	**107,100 sf**
Plans, KTGY Architecture and Planning, February 6, 2024.						

4.10 Trash, Loading, Mechanical Equipment

The Project will be designed to minimize the visual impact of trash receptacles and utility areas.

Trash and recycle rooms/spaces will be located within the building on Level 1, and are not visible from surrounding public streets and public view.

There is no loading area on the Site or surrounding street.

Utility rooms will be located within the building and not visible from surrounding public streets and public view.

Rooftop mechanical equipment will be set back from the roof parapet edge and appropriately screened from public view.

4.11 Access and Circulation

Vehicular access to the Project Site would be provided via two stop-controlled driveways and one-signalized driveway that would provide access to structured parking. There are currently 13 driveways serving the Project Site along Sunset Boulevard. The Project proposes reducing vehicular access points to three driveways (Access A, B, and C) on Sunset Boulevard. The other existing vehicle access points to the Site would be closed. Below is a description of the Project's proposed driveways:

- Access A: The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard at the northern end of the Site. Outbound left-turns from this driveway would not be permitted.

- Access B: The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard in the middle of the Site. Outbound left-turns from this driveway would not be permitted.

- Access C: The Project proposes a full-access driveway that would form the fourth leg (west facing) of the signalized intersection of Sunset Boulevard and Marion Avenue.

The Project would provide residential pedestrian access via two lobbies, one midblock on Sunset Boulevard for Building A and one on Everett Street for Building B.

Additionally, all ground floor units in Building A facing Sunset Boulevard will have entries directly onto the street. Retail pedestrian access will be provided into each retail store along Sunset Boulevard.

4.12 Vehicle Parking

Table 3-9, Vehicle Parking, provides details regarding the Project's provided vehicle parking. The Project Site is located within an AB 2097 Reduced Parking Area, which prohibits the City from imposing or enforcing minimum parking requirements; as such, the Project does not require any parking.

The Project would voluntarily provide 263 on-site parking spaces at one subterranean, one partially subterranean, and one at-ground/above-grade levels to be shared amongst all of the uses on the Site.

Table 3-9
Vehicle Parking

	AB 2097 Required	Provided
Total	**0**	**263**
Per LAMC 12.22 A.4. Plans, KTGY Architecture and Planning, February 6, 2024.		

4.12.1 Electric Vehicle Parking

Pursuant to LAMC Section 99.04.106.4.2.2 (Multi-family Development Projects with 20 or More Dwelling Units, Hotels and Motels with 20 or More Sleeping Units or Guest Rooms), the Project will be required to provide the following percentages of electric vehicle charging spaces:

- **EV Capable**. Thirty percent of the total number of parking spaces on a building site, provided for all types of parking facilities, shall be electric vehicle charging spaces (EV spaces) capable of supporting future Level 2 EVSE.

- **EV Ready (EVSE)**. Twenty-five percent of the total number of parking spaces shall be equipped with low power Level 2 EV charging receptacles. The number of EV Ready parking spaces may be counted toward the total number of EV Capable parking spaces required.

- **EV Chargers (EVCS).** Ten percent of the total number of parking spaces shall be equipped with Level 2 EVSE.

Table 3-10, Electric Vehicle Parking, provides the amount of required and provided electric vehicle parking. The Project will provide 172 EV spaces (79 will be EV capable of which 66 will be EVSE, and an additional 27 will have EVCS).

Table 3-10
Electric Vehicle Parking

Parking Provided	Required			Provided		
	EV Capable	EV Chargers	EV Ready	EV Capable	EV Chargers	EV Ready
263	79	66	27	79	66	27

Pursuant to LAMC Section 99.04.106.4.2, Calculations for spaces shall be rounded up to the nearest whole number.
EV Capable = 30% required.
EVSE - electric vehicle supply equipment for future charging stations. 25% of total is required.
EVCS – electric vehicle charging stations installed. 10% of total is required.
2022 California Green Building Standards Code, Title 24, Part 11 (CALGreen) and 2023 LAGBC. Section 4.106.4.2.2. Multifamily development projects with 20 or more dwelling units, hotels and motels with 20 or more sleeping units or guest rooms.
Plans, KTGY Architecture and Planning, February 6, 2024.

4.13 Bicycle Parking

Table 3-11, Bicycle Parking, provides the amount of required and provided bicycle parking for the Project. LAMC 12.21.A.16(a) requires new projects to provide bicycle parking spaces. Short-term bicycle parking shall consist of bicycle racks that support the bicycle frame at two points. Long-term bicycle parking shall be secured from the general public and enclosed on all sides and protect bicycles from inclement weather.

The Project will provide 183 bicycle parking spaces (21 short-term and 162 long-term). Bicycle parking is located on the first and second levels within two rooms accessible from the parking spaces.

Table 3-11
Bicycle Parking

Use	Quantity	Short-Term Spaces			Long-Term Spaces		
		Rate	Required	Provided	Rate	Required	Provided
Residential	1-25 units	1 / 10 units	2.5	16	1 / 1 unit	25	157
	26-100 units	1 / 15 units	5		1 / 1.5 units	50	
	101-200 units	1 / 20 units	5		1 / 2 units	50	
	201+ units	1 / 40 units	3		1 / 4 units	32	
Subtotal			**16**	**16**		**157**	**157**
Commercial	9,462 sf	1 / 2,000 sf	5	5	1 / 2,000 sf	5	5
Total			**21**	**21**		**162**	**162**

LAMC Table 12.21 A.16 (a)(1)(i) and Ordinance No. 185,480.
A minimum of two short-term bicycle parking spaces shall be provided in all cases.
Per LAMC Section 12.21.A.16(b): When the application of these regulations results in the requirement of a fractional bicycle space, any fraction up to and included on-half may be disregarded, and any fraction over one-half shall be construed as requiring one bicycle parking space.
Therefore the 2.5 spaces rounds down to 2 spaces.
Plans, KTGY Architecture and Planning, February 6, 2024.

4.14 Lighting and Signage

Project signage will include building identification, wayfinding, and security markings. Signage will be similar to other signage in the Project's vicinity.

Exterior lighting will be shielded to reduce glare and eliminate light being cast into the night sky. Security lighting will be integrated into the overall architecture and landscaping.

The Project will also comply with LAMC lighting regulations that include approval of street lighting plans by the Bureau of Street Lighting; limited light intensity from signage to no more than three foot-candles above ambient lighting; and limited exterior lighting to no more than two foot-candles of lighting intensity or direct glare onto specified sensitive uses, under the terms of LAMC Section 93.0117(b).

All pedestrian walkways and parking entrances will be illuminated with ambient night lighting for safety and access. Lighting will complement and highlight the architectural details, while being shielded from the adjacent residences. As the majority of the common open space is located at the interior or on upper roof levels of the site, residents may utilize these common spaces after typical daytime hours without disturbing nearby residences or other uses. All on-site common open space lighting will be oriented inward, while ambient lighting will gently illuminate spaces along the street.

4.15 Site Security

The Project will provide a passive security program to ensure the safety of its residents, employees, and visitors. Security features to assist in crime prevention efforts and to reduce the demand for police protection services will include secured building access/design to residential areas; lighting of building entryways and areas; and possible video surveillance. The security program will include controlling access; monitoring entrances and exits of buildings; monitoring fire/life/safety systems; and security lighting.

4.16 Sustainability Features

The Project will comply with the applicable Los Angeles Green Building Code (LAGBC, 2023 version effective January 1, 2023)[28] and the applicable California Green Building Standards Code (CalGreen, 2022 version effective January 1, 2023).[29] The applicability is determined when the Project is submitted and accepted by plan check.

All building systems will meet applicable Title 24 Energy Standards. These standards will reduce energy and water usage and waste and, thereby, reduce associated greenhouse gas emissions and help minimize the impact on natural resources and infrastructure.

The sustainability features to be incorporated into the Project will include, but not be limited to, WaterSense-labeled plumbing fixtures and Energy Star-labeled appliances, reduction of indoor

28 City of Los Angeles Department of Building and Safety, Green Building, available at http://ladbs.org/forms-publications/forms/green-building, accessed on January 6, 2023.

29 California Building Codes: https://www.dgs.ca.gov/BSC/CALGreen, accessed on January 6, 2023.

and outdoor water use, weather-based controller and drip irrigation systems, and water-efficient landscape design. In addition, the landscaping on the outdoor decks will serve to help reduce solar heat gain and facilitate possible stormwater retention on-site.

The Project will recycle and reuse building and construction materials to the maximum extent feasible.

The Project will provide EV spaces as required by the LAMC.

The Project will be required to be all-electric for cooking, heating/cooling, and water heating within both buildings. The only exception is cooking equipment within kitchens located in public use areas.[30]

The buildings will be sustainably designed to meet and/or exceed all City of Los Angeles current building code and Title 24 requirements. As such, the Project will incorporate eco-friendly building materials, systems, and features wherever feasible, including Energy Star appliances, water saving/low flow fixtures, non-VOC paints/adhesives, drought tolerant planting, and high-performance building envelopment.

The Project's infill location will promote the concentration of development in an urban location with extensive infrastructure and access to public transit facilities. The Project's proximity to public transportation will reduce vehicle trips and vehicle miles traveled for residents and visitors.

4.16.1 Solar Ready Roof

The 2022 Building Energy Efficiency Standards took effect on January 1, 2023. Low-rise multi-family buildings that do not have a photovoltaic system installed shall comply with the requirements of CCR Title 24, Park 6, Section 110.10(b) through 110.10(d).

LAMC Section 99.05.211.1 (Solar Ready Buildings) states that Projects must comply with California Energy Code Section 110.10. There are 2 exceptions: Additions having less than 2,000 square feet of new roof area and alterations.

The solar zone shall be located on the roof or overhang of the building or on the roof or overhang of another structure located within 250 feet of the building or on covered parking installed with the building project, and shall have a total area no less than 15 percent of the total roof area of the building excluding any skylight area. The solar zone requirement is applicable to the entire building, including mixed occupancy.

Per Exception 4 to Section 110.10(b)1B: Low-rise and high-rise multifamily buildings with all thermostats in each dwelling unit are demand response controls that comply with Section 110.12(a), and are capable of receiving and responding to Demand Response Signals prior to granting of an occupancy permit by the enforcing agency. In addition, in each dwelling unit, comply with one of the following measures: Install a dishwasher that meets or exceeds the ENERGY STAR Program requirements with either a refrigerator that meets or exceeds the ENERGY STAR Program requirements or a whole house fan driven by an electronically

[30] Los Angeles Ordinance No. 187,714. https://www.ladbs.org/services/green-building-sustainability#all-electric

commutated motor.[31]

Therefore, should the Project provide smart thermostats and Energy Star rated dishwashers and refrigerators in every unit, it may be exempt from solar ready roofs per CBC Title 24 Energy Code Exception 4.

4.17 Anticipated Construction Schedule

The estimated construction schedule is shown in **Table 3-12, Construction Schedule**. This information has been provided by the Applicant and reflects Site- and Project-specific assessments of anticipated construction phase lengths and equipment to be utilized.

The Project's estimated operational year is 2027.[32] Construction is proposed to finish in 2027 and the Project will undergo a standard process to obtain its certification of occupancy and will begin leasing. The operational year relates to future traffic operations and assumes a fully leased building for maximum trip and VMT purposes.

The Site is vacant of all structures and contains 6,000 square feet of asphalt that will be demolished and removed.

Construction staging will be onsite with worker parking throughout construction.

For a conservative assumption, the Project will excavate at a depth of up to 62 feet for the subterranean level, foundation elements, and grading of soils for the worse-case under the descending slope in the northeast corner of the Site.[33]

No fill will be imported to the Site.

The amount of excavated earth materials exported will be up to approximately 40,000 cubic yards (which includes a swell expansion potential).[34] The Project will utilize 10 cubic yard double-bottom or end dump trucks.

The Site is in a Special Grading Area and an LADBS Haul Route Approval is required in connection with the export of more than 1,000 cubic yards of earth materials. Truck routes for export are expected to utilize the most convenient access to freeway ramps, and will comply with the LADBS-approved route.

The truck route will be approximately 20 miles one-way, or 40 miles roundtrip, and is anticipated to include the following:

31 CEC, 2019 Building Energy Efficiency Standards, Section 110.10: https://energycodeace.com/site/custom/public/reference-ace-2019/index.html#!Documents/section11010mandatoryrequirementsforsolarreadybuildings.htm

32 Estimates provided by the Applicant, May 2023.

33 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

34 Estimates provided by the Applicant, May 2023.

- Full trucks: Exit Site and go east on Sunset Boulevard, south on Beaudry Avenue, east on Temple Street, US-101 East, to I-10 East, to I-605 North (San Gabriel River Freeway), to Arrow Highway to Nu Way Landfill destination at 1270 Arrow Highway, Irwindale, 91706.

- Empty trucks will travel in the reverse route to the Site.

Table 3-12
Construction Schedule

Phase	Schedule	Duration
Demolition of asphalt	December 24, 2024 – December 31, 2024	1 week
Site Preparation	January 1, 2025 – January 15, 2025	2 weeks
Grading	January 16, 2025 – April 30, 2025	4 months
Trenching	May 1, 2025 – May 31, 2025	1 month
Construction	June 1, 2025 – May 31, 2027	24 months
Architectural Coatings	April 1, 2027 – June 30, 2027	3 months
Total	**December 24, 2024 – June 30, 2027**	**30 months**

Demolition involves removing buildings or structures.
Site Preparation involves clearing vegetation (grubbing and tree/stump removal) and removing stones and other unwanted material or debris prior to grading.
Grading involves the cut and fill of land to ensure that the proper base and slope is created for the foundation.
Building Construction involves the construction of the foundation, structures, and buildings.)
Trenching is associated with underground utilities, including gas, water, electricity, telecommunications.
Paving involves the laying of concrete or asphalt such as in parking lots, roads, driveways, or sidewalks.
Architectural Coating involves the application of coatings to both the interior and exterior of buildings or structures, the painting of parking lot or parking garage striping, associated signage and curbs, and the painting of the walls or other components such as stair railings inside parking structures.

Construction schedule, including start, end, and duration dates are estimates only.
Some overlap of phasing may occur.
The analysis assumes that construction will start in late 2024. In practice, construction could begin at a later time. However, using an earlier start date represents a worst-case scenario for the analysis of construction emissions, because equipment and vehicle emission factors for later years will be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.
Estimates provided by the Applicant, May 2023.

4.18 Discretionary Requests

Discretionary entitlements, reviews, permits and approvals required to implement the Project will include, but are not necessarily limited to, the following:[35]

1) **Density Bonus Compliance Review (DB)**, pursuant to LAMC Section 12.22 A.25(g)(3), for a Project having 327 residential dwelling units, including 41 units reserved for Very Low Income households, with the following On and Off-Menu Incentives:

   a) **On Menu Incentive**, for an increase in the Floor Area Ratio (FAR) to 3.0:1 in lieu

[35] Attachment A Findings, Applicant, March 4, 2024.

of the otherwise allowable maximum of 1.5:1 in the C2-1 Zone.

b) **Off-Menu Incentive**, for a 30% reduction in open space to allow 24,540 in lieu of the otherwise required 35,050 square feet.

c) **Off Menu Incentive**, for additional height and stories:

- for Building A, for a 34-foot height increase for a height of 91 feet as measured from grade, (57 feet plus 34 feet) and an 85-foot height as measured from Plumb Height (45 feet plus 40 feet) and seven stories in lieu of the otherwise allowed three stories; and

- for Building B, for a 29-foot height increase for a height of 86 feet as measured from grade (57 feet plus 29 feet) and an 81.5-foot height as measured from Plumb Height (45 feet plus 36.5 feet) and seven stories in lieu of the otherwise allowed three stories.

2) **Site Plan Review (SPR)** pursuant to LAMC Section 16.05, for a development project that results in an increase of 50 or more dwelling units and/or guest rooms.

3) **Main Conditional Use Permit (MCUB)**, pursuant to LAMC Section 12.24.W.1 of Chapter 1 and LAMC Section 13.B.2.2 of Chapter 1A, to allow the sale and dispensing of a full line of alcoholic beverages for on-site and off-site consumption, in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five establishments with up to 300 indoor seats, and 75 outdoor seats, for a total of up to 375 patrons.

4) Approval of a **Haul Route** for a project located within a Special Grading Area with greater than 1,000 cubic yards of export.

As required by various sections of the LAMC, the Applicant will obtain the necessary administrative approvals and permits from the Building and Safety Department and other municipal agencies for Project construction actions, including but not limited to the following: demolition, excavation, shoring, grading, foundation, building, street tree removal (if applicable), and tenant improvements.

5 Responsible Public Agencies

A Responsible Agency under CEQA is a public agency with some discretionary authority over a project or a portion of it, but which has not been designated the Lead Agency (State CEQA Guidelines Section 15381). No responsible agencies have been identified for the Project.

Section 4

SCEA Criteria and Consistency Analysis

1 Transit Priority Project Criteria

Senate Bill (SB) 375 provides CEQA streamlining benefits to qualifying Transit Priority Projects (TPPs). Section 21155(b) of the Public Resources Code defines a TPP for SCEA purposes as a project that meets the following three criteria:

1. Contains at least 50 percent residential use, based on total building square footage (and if the project contains between 26 and 50 percent of non-residential uses, a floor area ratio of not less than 0.75);

2. Provides a minimum net density of at least 20 dwelling units per acre; and

3. Is located within one-half mile of a "major transit stop" or "high-quality transit corridor" included in the 2020–2045 RTP/SCS

Consistency with Criterion #1: Contains at least 50 percent residential use, based on total building square footage (and if the project contains between 26 and 50 percent of non-residential uses, a floor area ratio of not less than 0.75)

The Project would construct a new mixed-use building totaling 321,300 square feet, including 311,838 square feet of residential uses and 9,462 square feet of ground-floor commercial space. The Project's residential floor area would comprise approximately 98 percent of the Projects' new building square footage.

Thus, the Project would contain at least 50 percent residential use based on total building square footage and would be consistent with Criterion #1.

Consistency with Criterion #2: Provides a minimum net density of at least 20 units per acre.

The Project proposes 327 dwelling units on a 2.459-acre (107,100-square-foot) site, resulting in an overall net residential density of 133 units per acre.

Thus, the Project would provide a minimum net density of at least 20 units per acre and would be consistent with Criterion #2.

Consistency with Criterion #3: Is within one-half mile of a major transit stop or high-quality transit corridor included in a regional transportation plan.

A major transit stop is defined in PRC Section 21064.3 as "[a] site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." Furthermore, pursuant to PRC Section 21155(b), it also includes major transit stops that are included in the applicable regional transportation plan.

A high-quality transit corridor is defined in PRC Section 21155(b) as "[a] corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours." The City of Los Angeles defines peak hours as between 6:00 AM and 9:00 AM and between 3:00 PM. and 7:00 PM.

As shown by **Table 3-1** in Section 3, Project Description, of this SCEA, the Site is served by several bus lines operated by Metro and LADOT, including several lines with a 15 minute or less service frequency during peak commute hours and that intersect at Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street, located 2,075 feet southeast of the Site. Specifically, at this intersection, Metro bus line 4 provides east-west service every 7.5 minutes, Metro bus line 55 provides north-south service every 12-15 minutes, and Metro bus line 60 provides east-west service every 5-8 minutes.

Accordingly, Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street both meet the statutory definition of a high quality transit corridor and the intersection qualifies as a major transit stop.

Thus, the Project is consistent with Criterion #3 due to its location within one-half mile of both a high quality transit corridor and a major transit stop.

2 Consistency With a Sustainable Communities Strategy

SB 375 provides CEQA streamlining benefits to qualifying TPPs which demonstrate consistency with a Sustainable Communities Strategy (SCS), which, if implemented, would achieve the State's greenhouse gas (GHG) reduction targets. For purposes of projects in the SCAG region, a qualifying TPP must demonstrate consistency with the general use designation, density, building intensity, and applicable policies specified for the project area in the 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), given the California Air Resources Board's (CARB's) acceptance of SCAG's determination dated October 30, 2020 that the 2020–2045 RTP/SCS would, if implemented, achieve the GHG emission reduction targets for year 2035.

The 2020–2045 RTP/SCS presents strategies and measures that are consistent with local jurisdictions' land use policies and incorporates best practices for achieving the state-mandated reductions in GHG emissions at the regional level through reduced per-capita vehicle miles traveled (VMT). It is important to note, however, that SCAG does not have a direct role in implementing the SCS through decisions about what type of development goes where. The role of the 2020–2045 RTP/SCS in guiding growth is explained in more detail in *Chapter 3, A Path to Greater Access, Mobility, and Sustainability*, of the 2020–2045 RTP/SCS.

2.1 Use Designation, Density, and Building Intensity

The 2020–2045 RTP/SCS incorporates center focused placemaking as a land use tool to create dynamic, connected built environments that support multimodal mobility, reduced reliance on single-occupancy vehicles, and reduced GHG emissions. This approach supports attractive and

functional places for residents of the region to live, work, and play, with priority placed on urban and suburban infill sites in existing/planned service areas. These centers are typically human-scale, compact, and pedestrian oriented with a variety of housing types and affordability options.

To facilitate focused placemaking, the 2020–2045 RTP/SCS identifies Priority Growth Areas (PGAs) across the SCAG region. PGAs are locations where many of the 2020–2045 RTP/SCS strategies can be fully realized. These PGAs include Job Centers, Transit Priority Areas (TPAs), High Quality Transit Areas (HQTAs), Neighborhood Mobility Areas (NMAs), Livable Corridors, and Spheres of Influence (SOIs). According to the 2020–2045 RTP/SCS, PGAs account for only 4 percent of the region's total land area, but implementation of SCAG's recommended growth strategies will help these areas accommodate 64 percent of forecasted household growth and 74 percent of forecasted employment growth between 2020 and 2045. The more compact form of regional development implemented through PGAs, if fully realized, can reduce travel distances, increase mobility options, improve access to workplaces, and conserve the regional resources areas. PGAs do not limit any particular development project from being built in any particular location.

However, they are intended to guide general growth patterns, which the City of Los Angeles accomplishes through its General Plan and Community Plans. In addition, while the 2020–2045 RTP/SCS does not require individual TPPs to be located within PGAs, the expectation is that most of the more intensive development in the region would be within one or more PGAs. The PGAs are shown in Exhibit 3.4 through Exhibit 3.10 of the 2020–2045 RTP/SCS.

The Project's location relative to each of the PGAs is shown in **Figure 4-1** to **Figure 4-7** of this SCEA. As show, the Project Site is located adjacent to a Job Center; within a TPA, an HQTA and an NMA; and along a Livable Corridor, as described below:

- Job Centers: Job Centers are where regional strategies that support economic prosperity can be deployed in catalytic ways. Job Centers have been identified in all six counties in the SCAG region and represent areas that have a significantly higher employment density than surrounding areas. Job Centers represent areas with local employment peaks rather than simply places with the most jobs. Identified Job Centers are present in over 60 percent of the region's cities and contain about one-third of Southern California's jobs – but only cover less than 1 percent of the region's land area. When growth is concentrated in Job Centers, the length of vehicle trips for residents can be reduced.

  The Project Site is located adjacent to the Downtown Los Angeles Job Center.[1]

- Transit Priority Areas: TPAs are Priority Growth Areas that are within one half mile of existing or planned 'major' transit stops in the region. A 'major' transit stop is defined as a site containing an existing or planned rail or bus rapid transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. TPAs are where people can live, work and play in higher density, compact

[1] SCAG, Job Centers: https://gisdata-scag.opendata.arcgis.com/datasets/234ba3f5ac4c400ea1961d45f35db06f_0/explore?location=34.067542%2C-118.249605%2C17.00, accessed August 25, 2023.

communities with ready access to a multitude of safe and convenient transportation alternatives.

The Project Site is located within a TPA due to its proximity to the intersection of intersection of Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street, 2,075 feet southeast of the Site, which is served by Metro bus lines 4, 55, and 60. These lines have headways of 15 minutes or less during peak hours.[2]

- High Quality Transit Areas: HQTAs are corridor-focused PGAs within one-half mile of an existing or planned fixed transit stop or bus transit corridor where buses operate at a frequency of at least every 15 minutes during peak commute hours. HQTAs represent under 3 percent of the region's acreage but are projected to be home to over 51 percent of new households between 2016 and 2045. New developments within HQTAs should respond to the existing physical conditions of the surrounding area, preserving existing development patterns and neighborhood character while providing a balance of modal and housing choices.

  The Project Site is located within a HQTA due to its proximity to the intersection of Sunset Boulevard which has transit routes with a 15 minute or less service frequency during peak commute hours.[3]

- Neighborhood Mobility Areas: NMAs are PGAs with robust residential to non-residential land use connections, high roadway intersection densities, and low-to-moderate traffic speeds, with a focus on creating, improving, restoring, and enhancing safe and convenient connections to a variety of land uses (e.g., schools, shopping, services, places of worship, parks, and greenways). Safer and shorter multimodal trips are encouraged to reduce the reliance on single occupancy vehicles. This is achieved in NMAs through increased density, mixed land uses, neighborhood design, enhanced destination accessibility, and reduced distance to transit.

  The Project Site is located within a mapped NMA.[4]

- Livable Corridors: Livable Corridors strategy encourages increased density at nodes along key corridors. This strategy focuses on transit improvements, which include dedicated or semi-dedicated bus lanes, enhanced bus shelters, real-time travel information, and off-bus ticketing; active transportation improvements, which would support safe bicycling and walking; and land use policies, which includes developing mixed-use retail centers at key nodes and increasing neighborhood-oriented retail at intersections.

  The nearest Livable Corridor to the Project Site is Sunset Boulevard, located adjacent west of the Project Site.[5]

2 SCAG, TPA, https://gisdata-scag.opendata.arcgis.com/datasets/d1be0e8e35f94522bf37132f5454f42c_0/explore, accessed August 25, 2023.
3 SCAG, HQTA, https://gisdata-scag.opendata.arcgis.com/datasets/SCAG::high-quality-transit-areas-hqta-2045-scag-region/explore, accessed August 25, 2023.
4 SCAG, NMA, https://gisdata-scag.opendata.arcgis.com/datasets/b7f33b2a8f6c43de937fbe17ab14f2d4_0/explore, accessed August 25, 2023.
5 SCAG, Livable Corridors, https://gisdata-scag.opendata.arcgis.com/datasets/SCAG::livable-corridors-scag-region/explore, accessed August 25, 2023

The Project's location, scale, and mixture of land uses would be consistent with its designation within these four PGAs, which, in turn, indicates consistency with the use designations, density, and buildings intensity of the SCS. Specifically, the Project Site is located in an urbanized area within the Silver Lake-Echo Park-Elysian Valley Community Plan Area of the City.

The Project would respond to and complement the existing development pattern in the area, which is characterized by a mix of low-to mid-rise buildings containing commercial and residential uses. The Project includes the construction of a new 321,300-square-foot mixed-use development comprised of 327 residential and live-work units (inclusive of 41 units reserved for Very Low-Income Households) and 9,462 square feet of ground-floor commercial space on a site that is well-served by transit.

As noted above, the Project is approximately 97 percent residential, with the residential component of the Project consisting of 13 studio units, 230 1-bedroom units, 79 2-bedroom units, and 5 3-bedroom units. Six of the units on the ground floor along Sunset Boulevard in Building A would be live/work, thereby providing additional diversity of housing types. The Project would contain a total of 321,300 square feet with a FAR of 3:1.

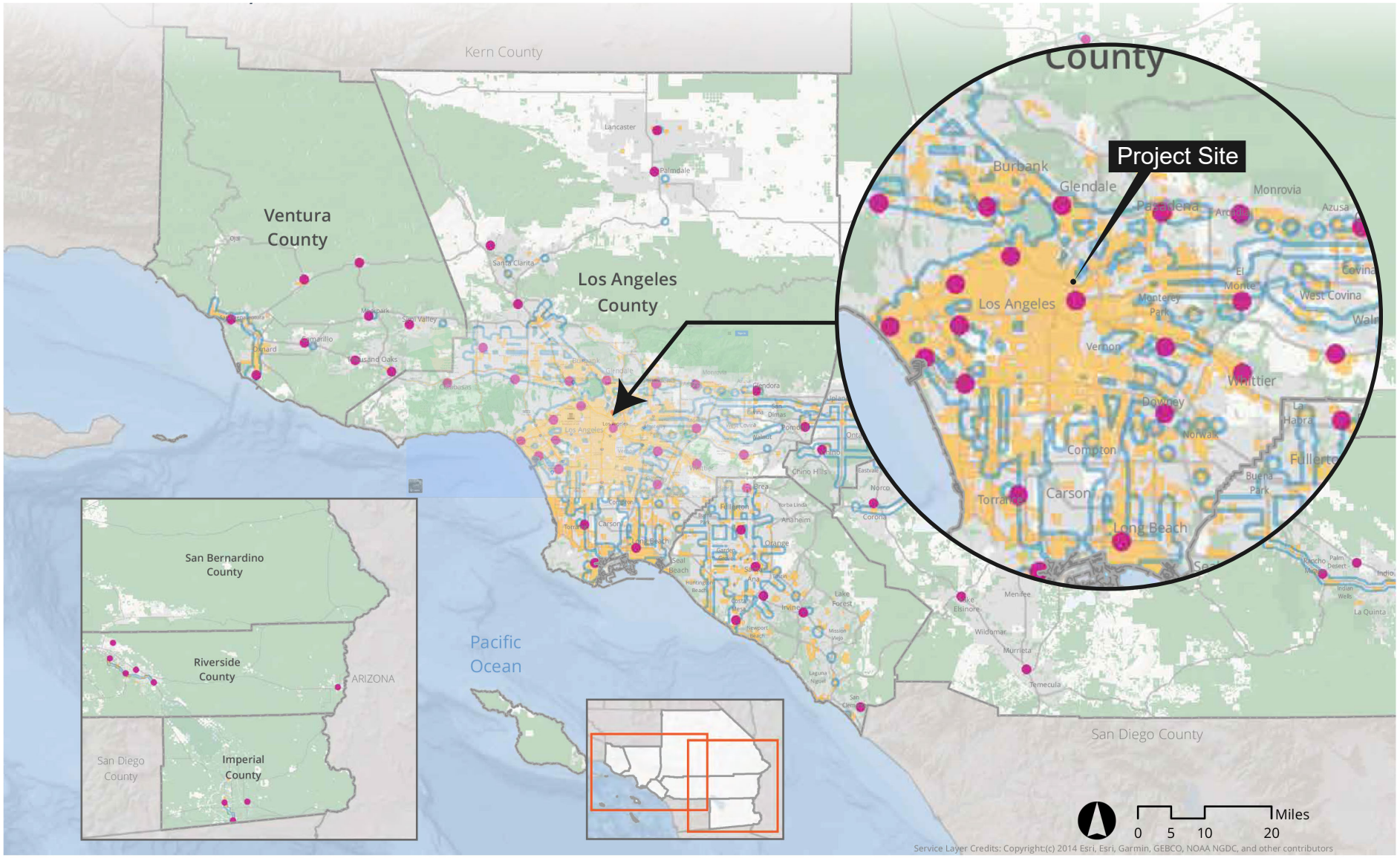
The Project would significantly increase the housing supply in the Project area, as well as housing diversity and affordability in the PGAs in which the Project Site is located. The Project Site is located near several bus lines, including Metro bus lines 4, 55, and 60, which provide peak commute hour headways of 15 minutes or less, thereby providing nearby high-frequency and high-quality transit options.

Thus, the mixed-use nature of the Project in an urban area near transit would provide opportunities for Project residents, visitors, and employees to have safer and shorter multimodal trips, thereby reducing dependency on automobile travel and single occupancy trips and thus, reducing GHG emissions.

The Project would incorporate a variety of open space and recreational amenities throughout the Project Site totaling approximately 24,540 square feet.

In addition, the Project would provide 183 bicycle parking spaces (including 162 long-term spaces and 21 short-term spaces). Pedestrian-scaled design and pedestrian and bicycle amenities would encourage the use of alternative modes of travel, thereby further reducing reliance on automobile travel and resulting GHG emissions.

Overall, the nature of the Project, including the location, mix of uses, density, and building intensity, would be consistent with SCAG's land use strategies related to reducing dependence on automobile travel and thus, mobile-source GHG emissions, by encouraging development within PGAs. Furthermore, the Project would be consistent with the intent of the specific PGAs in which it is located (i.e., TPA, HQTA, NMA, and Livable Corridor). As such, the Project would be consistent with the 2020–2045 RTP/SCS's goals, policies and benefits for land use, density, and intensity of development.



Priority Growth Areas vs. Regional Growth Constraints

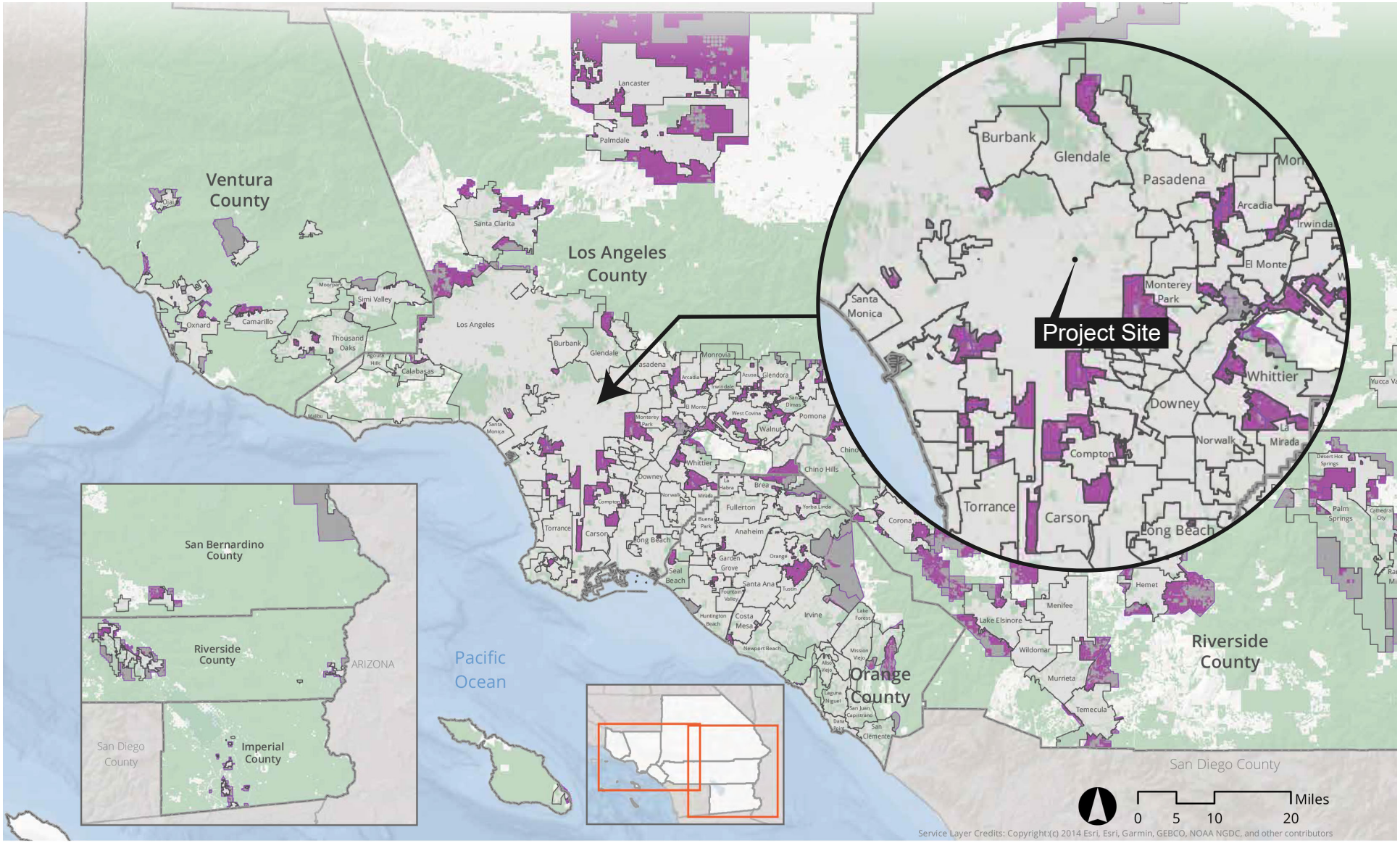
- Job Center
- Neighborhood Mobility Areas
- High Quality Transit Area
- Regional Growth Constraints

Note: SCAG used locally informed data elements to determine Regional Growth Constraints such as Tribal lands, Conserved Land and others. See the Sustainable Communities Strategy Technical Report for more details.

Source: CalBRACE, California Department of Conservation, CPAD, CCED, County Transportation Commissions, NOAA Coastal Services Center, SCAG, 2019

Figure 4-1
Priority Growth Areas & Growth Constraints

Source: Connect SoCal, July 2023.



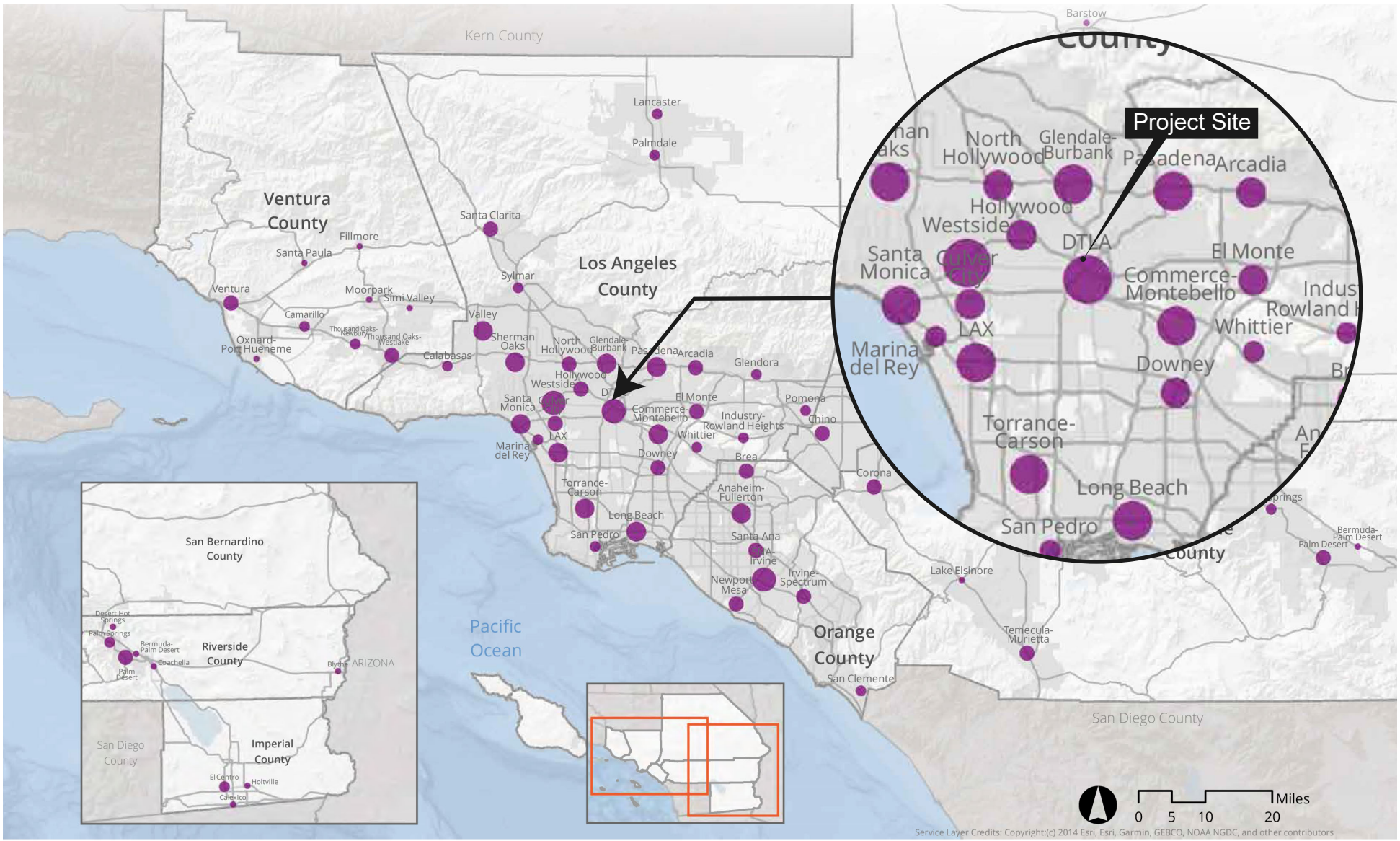
County Boundaries
City Boundaries
Sphere of Influence
Regional Growth Constraints

Note: SCAG used locally informed data elements to determine Regional Growth Constraints such as Tribal lands, Conserved Land and others. See the Sustainable Communities Strategy Technical Report for more details.

Source: Counties and local jurisdictions LAFCO in SCAG region, 2018

Figure 4-2
Priority Growth Areas - Spheres of Influence

Source: Connect SoCal, July 2023.



SCAG Region Proposed 2020 RTP/SCS Job Centers (Total Employment)

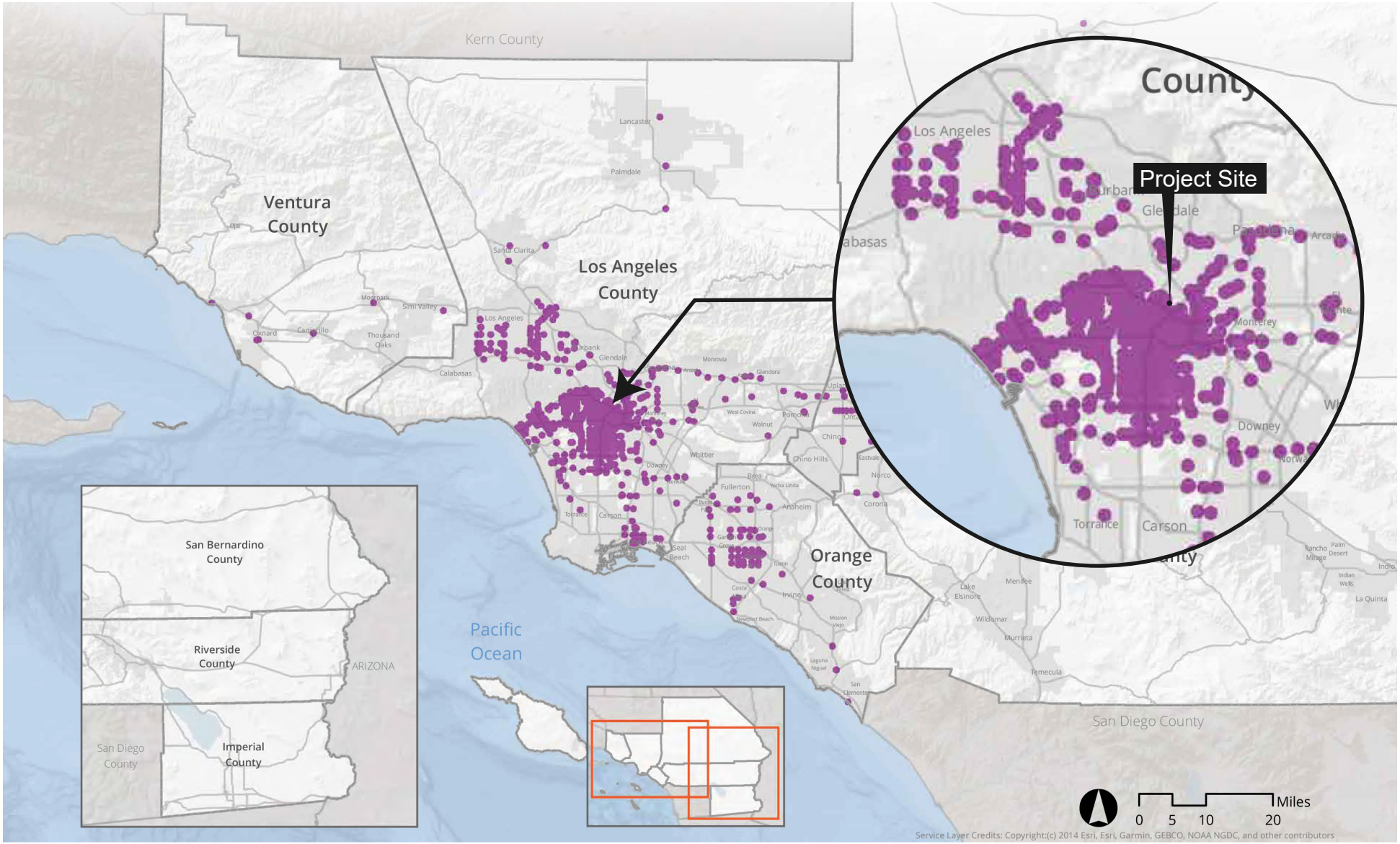
- Less than 10,001 (17)
- 10,001 - 25,000 (22)
- 25,001 - 50,000 (19)
- 50,001 - 150,000 (11)
- More than 150,000 (3)

Source: SCAG, 2019

Notes:
(1) Centers are areas with denser employment than their surroundings.
(2) Dots represent the total employment in each center, not center boundaries.
(3) Names are intended to be illustrative and may not reflect all the jurisdictions in which a center fully lies.

Figure 4-3
Priority Growth Area - Job Centers

Source: Connect SoCal, July 2023.



Transit Priority Areas (2045)

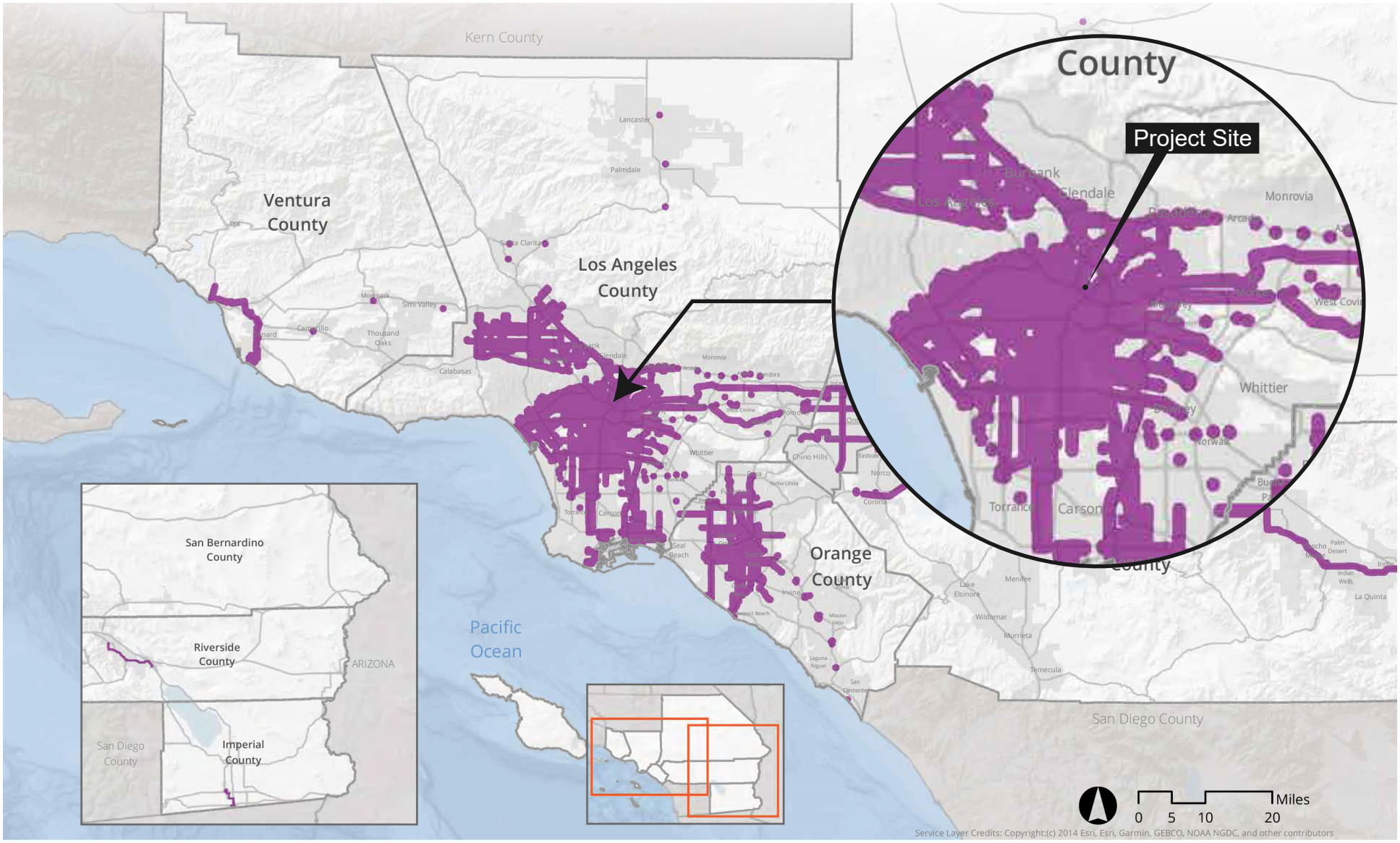
TPA

Note: Transit priority area (TPA) refers to an area within one-half mile of a major transit stop that is existing or planned. SCAG identifies major transit stops and transit priority areas using the methodology described in the Transit Technical Report. Major transit stops are extracted from 2045 plan year data of Connect SoCal.

Source: County Transportation Commissions, SCAG, 2019

Figure 4-4
Priority Growth Area - Transit Priority Areas

Source: Connect SoCal, July 2023.



High Quality Transit Areas (2045)

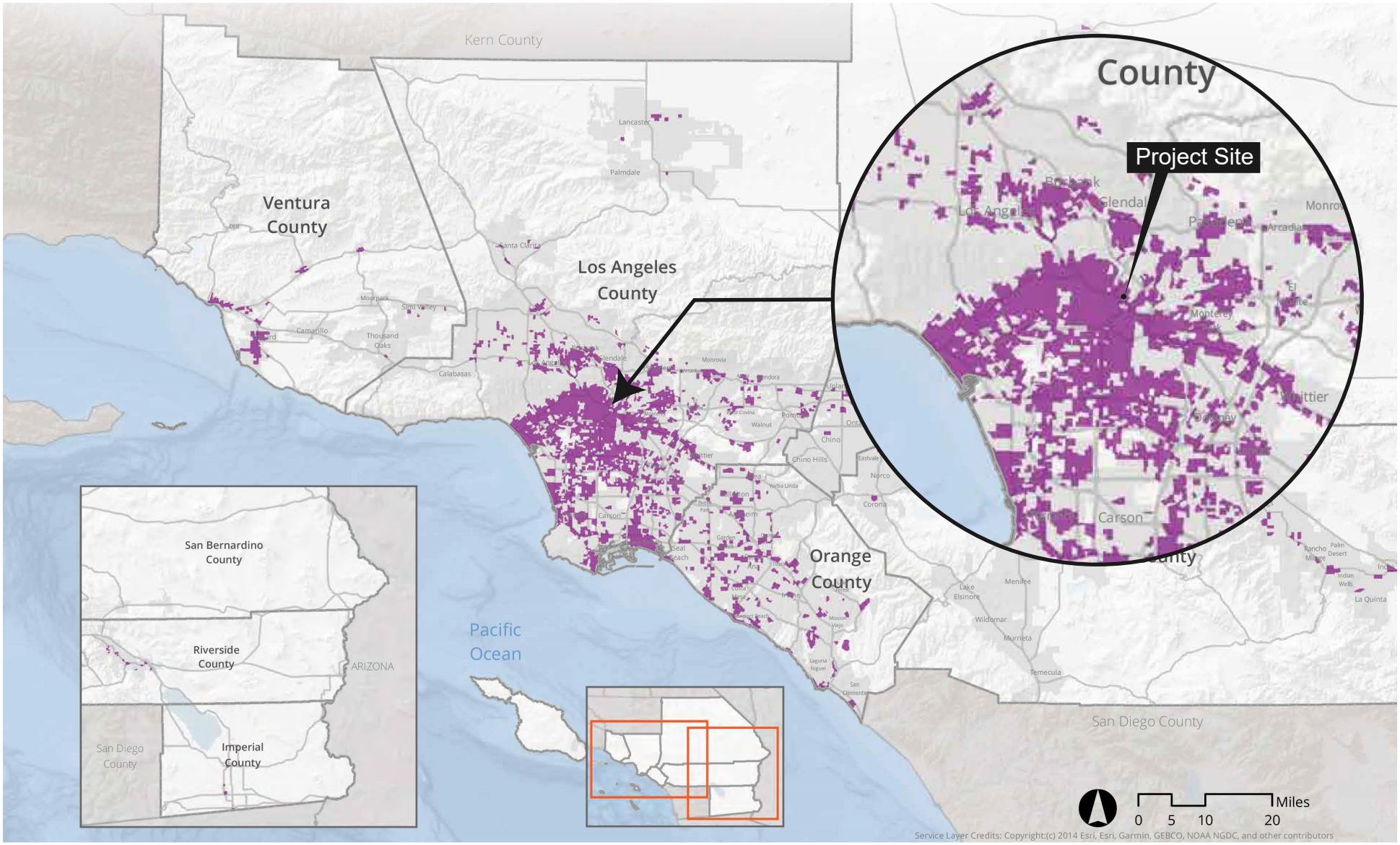
HQTA

Note: SCAG's High Quality Transit Area (HQTA) is within one-half mile from major transit stops and high quality transit corridors (HQTC). SCAG identifies major transit stops and HQTCs using the methodology described in the Transit Technical Report. Major transit stops and HQTCs are extracted from 2045 plan year data of Connect SoCal.

Source: County Transportation Commissions, SCAG, 2019

Figure 4-5
Priority Growth Area - High Quality Transit Areas

Source: Connect SoCal, July 2023.



Neighborhood Mobility Areas (NMA)

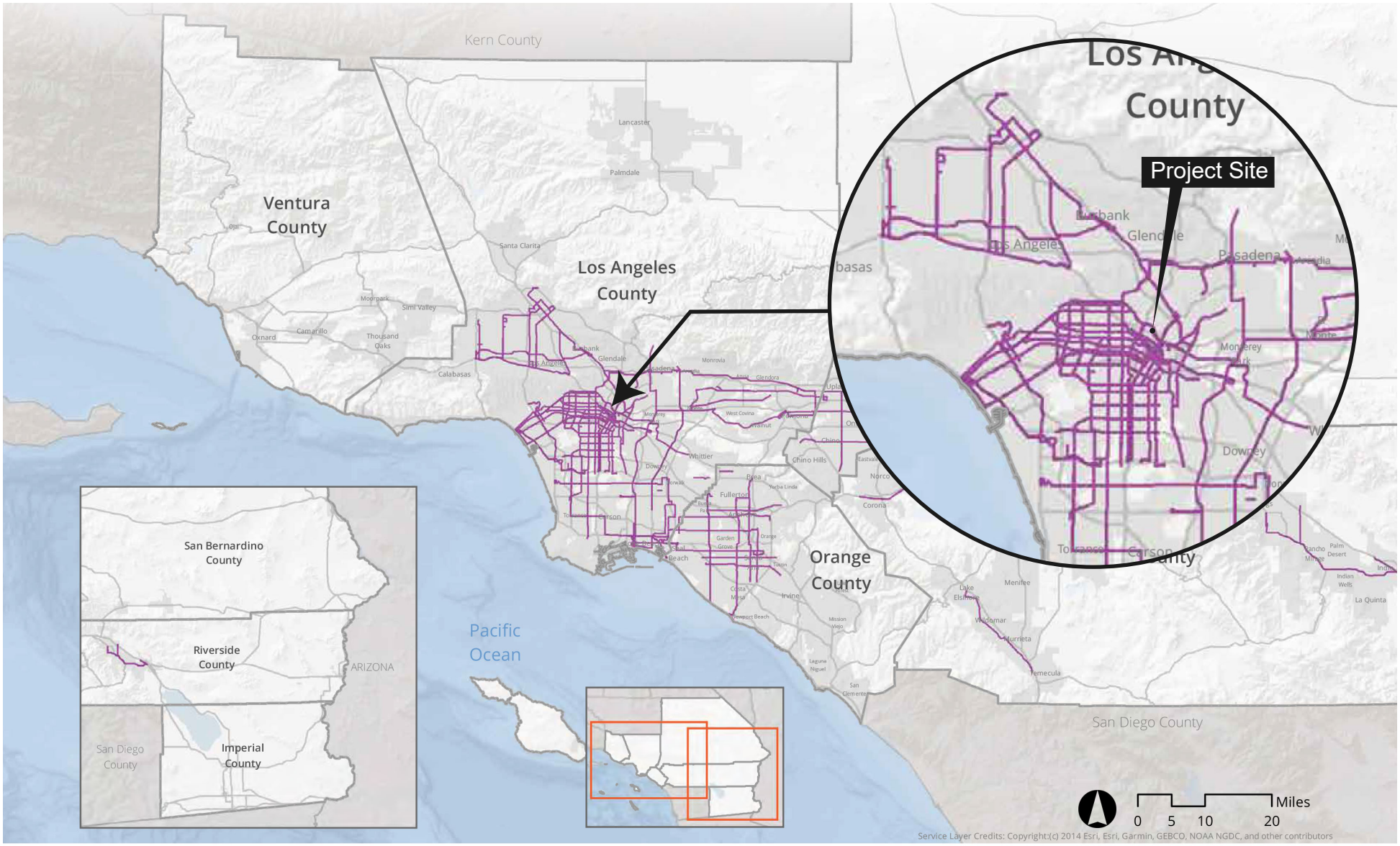
NMA

Note: Neighborhood Mobility Areas (NMA) were identified by analyzing and assigning z-scores four measures at the Tier 2 TAZ level, and subsequently summing the z-scores. TAZs that scored at the 80th percentile or higher for the composite score were considered NMAs.

Source: SCAG, 2019

Figure 4-6
Priority Growth Area - Neighborhood Mobility Areas

Source: Connect SoCal, July 2023.



Livable Corridors

Livable Corridors

Source: SCAG, 2019

Figure 4-7
Priority Growth Area - Livable Corridors

Source: Connect SoCal, July 2023.

2.2 Sustainable Communities Strategy Policy Consistency

Chapter 3 of the 2020–2045 RTP/SCS outlines strategies and measures included in the SCS Technical Report that are intended to be supportive of implementing the regional SCS. Several of these strategies and measures are directly tied to supporting related GHG reductions while others support the broader goals of the 2020–2045 RTP/SCS.

As discussed in **Table 4-1** and **Table 4-2**, the Project would be consistent with the applicable goals and guiding principles and strategies, respectively, of SCAG's 2020-2045 RTP/SCS.

Table 4-1
Consistency with 2020-2045 RTP/SCS: Goals and Guiding Principles

Goals and Policies	Project Consistency Assessment
Goal 1 Encourage regional economic prosperity and global competitiveness.	**Not Applicable.** This goal is directed towards SCAG and the City and does not apply to the Project. However, the Project would construct housing and neighborhood-serving commercial restaurant uses near other residential, commercial, office, and cultural uses in an existing urban area, supporting the regional economic prosperity and global competitiveness of Southern California by providing housing and commercial uses. The Project is also siting market rate and affordable housing adjacent to an identified RTP/SCS Job Center.
Goal 2 Improve mobility, accessibility, reliability, and travel safety for people and goods.	**Consistent.** The Project Site is located in a highly urbanized area of the City and would develop 327 multi-family residential units and approximately 9,462 square feet of commercial restaurant land uses within an HQTA and along a Livable Corridor, as defined by SCAG, and within a TPA as defined by SB 743, and also in close proximity to existing and proposed residences and commercial opportunities. Also, the Project would ensure safe travel at and near the Project Site by ensuring safe vehicular and pedestrian access. In addition, the Project would include lighting of pedestrian pathways adjacent to the Project Site to allow for safe travel. Furthermore, the Project would be subject to the Site Plan Review requirements of the City and would be required to coordinate with the Department of Building and Safety and the Los Angeles Fire Department to ensure that all access points, driveways, and parking areas would not create a design hazard to local roadways. Therefore, the Project would allow for mobility, accessibility, reliability, and travel safety for people and

Table 4-1
Consistency with 2020-2045 RTP/SCS: Goals and Guiding Principles

Goals and Policies	Project Consistency Assessment
	goods.
Goal 3 Enhance the preservation, security, and resilience of the regional transportation system.	**Not Applicable.** This goal is directed toward SCAG and other jurisdictions that are responsible for developing, maintaining, and improving the regional transportation system.
Goal 4 Increase person and goods movement and travel choices within the transportation system.	**Consistent.** The Project would construct market rate and affordable housing and commercial uses near other commercial, office, and cultural uses and in close proximity to an identified Job Center. Therefore, Project residents and employees would be able to walk and bike to work, shopping, and entertainment. In addition, the Project Site's location near robust transit opportunities (high frequency bus service along Sunset Boulevard) would further reduce dependence on automobile travel, reducing VMT and associated pollutant emissions. Project residents and guests would have access to residential lobbies located at ground level that would provide connectivity to the pedestrian infrastructure adjacent to and in the vicinity of the Project Site. The provision of the ground-floor commercial restaurant use would further activate the pedestrian environment of the neighborhood. Finally, the Project would include approximately 162 long-term bicycle parking stalls and 21 short-term bicycle parking stalls, which would encourage bicycling as a form of transportation.
Goal 5 Reduce greenhouse gas emissions and improve air quality.	**Consistent.** The Project would construct market rate and affordable housing and commercial restaurant uses near other residential, commercial, office, and cultural uses and adjacent to a designated Job Center. Therefore, Project residents and employees would be able to walk and bike to work, shopping, and entertainment. In addition, the Project Site's location near robust transit opportunities (high frequency bus service along Sunset Boulevard) would further reduce dependence on automobile travel, reducing VMT and associated pollutant emissions. Project residents and guests would have access to a residential lobbies located at ground level that would provide connectivity to the pedestrian infrastructure

Table 4-1
Consistency with 2020-2045 RTP/SCS: Goals and Guiding Principles

Goals and Policies	Project Consistency Assessment
	adjacent to and in the vicinity of the Project Site. The provision of the ground-floor commercial restaurant use would further activate the pedestrian environment of the neighborhood. Finally, the Project would include approximately 162 long-term bicycle parking stalls and 21 short-term bicycle parking stalls, which would encourage bicycling as a form of transportation.
Goal 6 Support healthy and equitable communities.	**Consistent.** The Project would construct housing, and commercial restaurant uses near other commercial, office, and cultural uses and add to housing diversity. Of the 327 proposed dwelling units, 41 of the units (15% of base density) would be set aside for rental to households qualifying at the Very Low Income level. Given the urban nature of the Project Site area, and location near an identified Job Center, Project residents and employees would be able to walk and bike to work, shopping, and entertainment uses. In addition, the Project Site's location near robust transit opportunities (including multiple high frequency bus lines along Sunset Boulevard) would further reduce dependence on automobile travel, reducing the need to own an automobile and pay for parking. Project residents and guests would have access to a residential lobbies located at ground level that would provide connectivity to the pedestrian infrastructure adjacent to and in the vicinity of the Project Site. The provision of the ground-floor commercial restaurant use would further activate the pedestrian environment of the neighborhood. Finally, the Project would include approximately 162 long-term bicycle parking stalls and 21 short-term bicycle parking stalls, which would encourage bicycling as a form of transportation and exercise.
Goal 7 Adapt to a changing climate and support an integrated regional development pattern and transportation network.	**Consistent.** The Project includes development of mixed residential (market rate and affordable) and commercial restaurant uses on an infill site in an urbanized area of the City that is near several sources of transit and an identified Job Center. The Project would also include approximately 162 long-term bicycle parking stalls and 21 short-term bicycle

Table 4-1
Consistency with 2020-2045 RTP/SCS: Goals and Guiding Principles

Goals and Policies	Project Consistency Assessment
	parking stalls. This type of transit-oriented mixed-use project helps to reduce dependence on automobile travel and to reduce mobile-source GHG emissions.
Goal 8 Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	**Not Applicable.** This goal is directed toward SCAG and other jurisdictions that are responsible for developing, maintaining, and improving the regional transportation system.
Goal 9 Encourage development of diverse housing types in areas that are supported by multiple transportation options.	**Consistent.** The Project includes development of 327 residential units, in addition to ground floor commercial uses. Of the 327 proposed units, 41 of the units (15% of base density) would be set aside for rental to households qualifying at the Very Low Income level.
Goal 10 Promote conservation of natural and agricultural lands and restoration of habitats.	**Consistent.** The Project is an infill development that would not affect any natural or agricultural lands or restoration of habitats.
Guiding Principle 1 Base transportation investments on adopted regional performance indicators and MAP-21/FAST Act regional targets.	**Not Applicable.** This principle is directed toward SCAG and other jurisdictions/agencies that are responsible for developing, maintaining, and improving the regional transportation system.
Guiding Principle 2 Place high priority for transportation funding in the region on projects and programs that improve mobility, accessibility, reliability and safety, and that preserve the existing transportation system.	**Not Applicable.** This principle is directed toward SCAG and other jurisdictions/agencies that are responsible for developing, maintaining, and improving the regional transportation system.
Guiding Principle 3 Assure that land use and growth strategies recognize local input, promote sustainable transportation options, and support equitable and adaptable communities.	**Not Applicable.** This principle is directed toward SCAG and other jurisdictions/agencies that are responsible for developing and implementing growth strategies.
Guiding Principle 4 Encourage RTP/SCS investments and strategies that collectively result in reduced non-recurrent congestion and demand for single occupancy vehicle use, by leveraging new transportation technologies and expanding travel choices.	**Not Applicable.** This principle is directed toward SCAG and other jurisdictions/agencies that are responsible for developing, maintaining, and improving the regional transportation system.
Guiding Principle 5 Encourage transportation investments that will result in improved air quality and public health, and reduced greenhouse gas emissions.	**Not Applicable.** This principle is directed toward SCAG and other jurisdictions/agencies that have control over transportation investments.
Guiding Principle 6 Monitor progress on all aspects of the Plan, including the timely implementation of projects, programs, and strategies.	**Not Applicable.** This principle is directed toward SCAG that has the responsibility of monitoring the progress of Connect SoCal.
Guiding Principle 7 Regionally, transportation investments should reflect best-known science regarding climate change vulnerability, in order	**Not Applicable.** This principle is directed toward SCAG and other jurisdictions/agencies that have control over

Table 4-1
Consistency with 2020-2045 RTP/SCS: Goals and Guiding Principles

Goals and Policies	Project Consistency Assessment
to design for long term resilience.	transportation investments.
Source: 2020-2045 RTP/SCS, 2020.	

Table 4-2
Consistency with 2020-2045 RTP/SCS: Strategies/Measures

Strategy/Measure	Consistency Assessment
Strategy: Focus Growth Near Destinations and Mobility Options	
Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations.	**Consistent**. The Project would consist of a mixed-use development that would include market-rate and affordable residential units and retail/restaurant uses within a PGA. Consistent with the Project Site's location adjacent to a Job Center, within a TPA, HQTA, and NMA, and adjacent to a Livable Corridor, residents and employees of the Project would have multimodal access (e.g., transit, walking, and bicycling) to and from their jobs, school, and other destinations.
Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets.	**Consistent.** The Project would contribute to a balance between jobs and housing in the region by providing 327 new market-rate and affordable residential dwelling units within the Silver Lake-Echo Park-Elysian Valley Community Plan Area of the City. The Project Site is located in an urban area near commercial and job centers. Furthermore, the Project Site is served by a variety of public transit options provided by Metro bus lines 4, 55, and 60, which provide peak commute hour headways of 15 minutes or less.
Plan for growth near transit investments and support implementation of first/last mile strategies	**Consistent.** As discussed above, the Project Site is served by a variety of public transit options, including Metro bus lines 4, 55, and 60. Thus, the Project would provide for growth near transit investment. First/last mile strategies are designed to increase transit usage by making it more convenient and safer to walk or bicycle to and from transit stations. The Project would promote first/last mile infrastructure by providing 183 bicycle parking spaces (21 short-term and 162 long-term), easy bicycle accessibility to the Project Site to encourage alternative mobility for employees and visitors to the Project Site.
Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses	**Consistent.** While this measure is directed toward public agencies, the Project would support its implementation. The Project would replace a vacant site with a new mixed-use building with multi-family residential units and ground floor commercial uses.

Strategy/Measure	Consistency Assessment
	Specifically, the Project would include the development of a new approximately 321,300-square-foot development comprised of 327 residential apartment units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. The Project would be designed to complement adjacent uses and enhance the surrounding area, creating an inviting atmosphere.
Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods	**Consistent**. The Project would replace commercial uses with a new mixed-use building with multi-family residential units and ground floor commercial uses. Specifically, the Project would include the development of a new approximately 321,300-square-foot building comprised of 327 residential apartment units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. The Project would provide a 24,540 square feet of open space and recreational amenities in the form of private decks, a plaza, courtyards, roof decks, and indoor amenities. Thus, the Project would represent infill development that would accommodate growth, increase amenities, and enhance connectivity to existing neighborhoods.
Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could include mixed uses or locating and orienting close to existing destinations).	**Consistent.** The Project has been designed to incorporate a variety of strategies that would reduce the reliance on, and number of, solo car trips. The Project would include a mix of uses, including 327 residential apartment units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space that would be located in an area that is well-served by transit and that has been identified as a PGA. The Project would be designed at a pedestrian scale and would incorporate amenities and improvements, including a plaza on the southern end of the Project Site at Sunset Boulevard and Everett Street. In addition, the Project would provide 183 bicycle parking spaces (162 long-term spaces and 21 short-term spaces) to encourage bicycling and walking for residents, employees, and visitors to the Project Site. Furthermore, the Project would expand residential and employment opportunities in proximity of residential and commercial areas, destinations, and other neighborhood services in a diverse urban area.

Strategy/Measure	Consistency Assessment
Strategy: Promote Diverse Housing Choices	
Preserve and rehabilitate affordable housing and prevent displacement.	**Consistent.** The Project Site is vacant. Thus, the Project would not displace any housing. Rather, the Project would develop 327 residential and live-work units (inclusive of 41 Very Low-Income Households).
Identify funding opportunities for new workforce and affordable housing development.	**Consistent.** While this measure is directed toward public agencies, the Project would support its implementation by including 41 Very-Low Income units as well as live-work units. In addition, the Project would include 9,462 square feet of commercial space, which would generate new employment opportunities.
Create incentives and reduce regulatory barriers for building context-sensitive accessory dwelling units to increase housing supply	**Not Applicable.** This measure is directed toward public agencies. However, the Project would increase the housing supply by providing 327 new market-rate and affordable multi-family residential units.
Provide support to local jurisdictions to streamline and lessen barriers to housing development that supports reduction of greenhouse gas emissions	**Consistent**. This measure is directed toward public agencies and does not apply to individual projects. However, the Project would support the reduction of GHG emissions by concentrating new residential development on an infill site with access to transit. In addition, the provision of pedestrian features and bicycle amenities would further expand multimodal transportation options, thereby reducing VMT and resulting GHG emissions. Additional sustainability features that would reduce GHG emissions would be incorporated into the Project, including but not limited to, parking spaces with electric vehicle charging equipment, lighting that meets current Title 24 Energy Standards, photovoltaic system ready, highly efficient HVAC systems, energy-efficient wall insulation and glazing units, WaterSense-labeled plumbing fixtures and weather-based controller and drip irrigation systems, Energy Star–labeled appliances, and drought-tolerant planting. Additionally, the Project would utilize sustainable planning and building strategies and would use environmentally friendly materials where applicable.
Strategy: Leverage Technology Innovations	
Promote low emission technologies such as neighborhood electric vehicles, shared rides hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space	**Consistent.** The Project would utilize low-emission technologies, including dedicated parking spaces with electric vehicle charging equipment consistent with CalGreen and LA Green Building Code requirements.
Improve access to services through technology—such as telework and telemedicine as well as other incentives such as a “mobility wallet,” an app-based system for storing transit and other multi-modal payments	**Not Applicable.** This measure is directed toward public agencies as a policy strategy and does not apply to individual projects.

Strategy/Measure	Consistency Assessment
Identify ways to incorporate "micro-power grids" in communities, for example solar energy, hydrogen fuel cell power storage and power generation	**Not Applicable.** This measure is directed toward public agencies as a policy strategy and does not apply to individual projects.
Strategy: Support Implementation of Sustainability Policies	
Pursue funding opportunities to support local sustainable development implementation projects that reduce greenhouse gas emissions	**Consistent.** While this measure is directed toward public agencies, the Project would support its implementation. The Project would include a variety of sustainability measures that would reduce GHG emissions. These measures would include, but not be limited to, high efficiency plumbing fixtures and weather-based controller and drip irrigation systems, Energy Star-labeled appliances, and water-efficient landscape design. Additionally, the Project would utilize sustainable planning and building strategies and would use environmentally friendly materials where applicable.
Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations	**Consistent**. This measure is directed toward SCAG as a policy strategy and does not apply to individual projects. However, the Project would support its implementation. The Project would be located within an HQTA, TPA, and NMA and adjacent to a Livable Corridor, which both have transit routes with a 15 minute or less service frequency during peak commute hours.
Support local jurisdictions in the establishment of Enhanced Infrastructure Financing Districts (EIFDs), Community Revitalization and Investment Authorities (CRIAs), or other tax increment or value capture tools to finance sustainable infrastructure and development projects, including parks and open space	**Not Applicable**. This measure is directed toward SCAG as a policy strategy and does not apply to individual projects.
Work with local jurisdictions/ communities to identify opportunities and assess barriers to implement sustainability strategies	**Not Applicable**. This measure is directed toward SCAG as a policy strategy and does not apply to individual projects.
Enhance partnerships with other planning organizations to promote resources and best practices in the SCAG region	**Not Applicable**. This measure is directed toward SCAG as a policy strategy and does not apply to individual projects.
Continue to support long range planning efforts by local jurisdictions	**Not Applicable**. This measure is directed toward SCAG as a policy strategy and does not apply to individual projects.
Provide educational opportunities to local decisions makers and staff on new tools, best practices and policies related to implementing the Sustainable Communities Strategy	**Not Applicable**. This measure is directed toward SCAG as a policy strategy and does not apply to individual projects.

Strategy/Measure	Consistency Assessment
Strategy: Promote a Green Region	
Support development of local climate adaptation and hazard mitigation plans, as well as project implementation that improves community resiliency to climate change and natural hazards.	**Not Applicable.** This measure is directed toward SCAG as a policy strategy and does not apply to individual projects.
Support local policies for renewable energy production, reduction of urban heat islands and carbon sequestration	**Consistent**. While this measure is directed toward SCAG and/or local jurisdictions as a policy strategy and does not apply to individual projects, the Project would support its implementation. With regard to urban heat islands, the Project would include extensive landscaping, thereby reducing the potential for urban heat islands.
Integrate local food production into the regional landscape	**Not Applicable.** This measure is directed toward SCAG as a policy strategy and does not apply to individual projects. Furthermore, the Project area is an urbanized area and the Project Site is not zoned, or suitable for, agricultural uses
Promote more resource efficient development focused on conservation, recycling and reclamation.	**Consistent.** The Project is an infill development located in an urbanized area that is served by existing infrastructure. Thus, the Project would not result in the loss of previously undeveloped land or land intended for conservation. Furthermore, the Project would implement a construction waste management plan to recycle and/or salvage a minimum of 75 percent of non-hazardous demolition and construction debris. In addition, in accordance with the City of Los Angeles Space Allocation Ordinance (Ordinance No. 171,687), the Project would provide a designated recycling area for Project residents and visitors. Thus, the Project would promote resource efficient development.
Preserve, enhance, and restore regional wildlife connectivity.	**Not Applicable.** This measure is directed toward public agencies. Furthermore, the Project Site does not serve as a regional wildlife connector, and the Project would not interfere with wildlife corridors.
Reduce consumption of resource areas, including agricultural land.	**Consistent.** The Project would be developed on a site that is vacant. The Project Site is zoned C2-1VL. No resource areas or agricultural lands would be impacted by the Project.
Identify ways to improve access to public park space	**Not Applicable.** This measure is directed toward public agencies. The Project would add housing to a vacant Site and its future residents could access nearby parks, especially by transit or bicycle.
Source: SCAG, 2020–2045 RTP/SCS, September 2020.	

Section 5

Evaluation of Environmental Impacts

1 Scope Of Analysis

This section of the Sustainable Communities Environmental Assessment (SCEA) contains an assessment and discussion of impacts associated with issues and subject areas identified in the Initial Study Checklist (Appendix G to the State CEQA Guidelines [California Code of Regulations Title 14, Chapter 3, 15000-15387]). Pursuant to Public Resources Code (PRC) Section 21155.2(b), the SCEA is required to identify all significant or potentially significant impacts of the Project, other than those that do not need to be reviewed pursuant to PRC Section 21159.28 based on substantial evidence in light of the whole record.

As previously discussed, the Southern California Association of Governments (SCAG) is the metropolitan planning organization for the County of Los Angeles (along with the Counties of Imperial, San Bernardino, Riverside, Orange, and Ventura). A Program Environmental Impact Report (PEIR) was prepared to evaluate the potential environmental impacts of SCAG's 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS).[1] As part of that PEIR, mitigation measures were included that would reduce potentially significant impacts identified in the PEIR. The complete list of the mitigation measures identified in the PEIR is included in Exhibit A, Revised Mitigation Monitoring and Reporting Program (MMRP), of the Final PEIR. The mitigation measures in the PEIR are divided into two categories: SCAG mitigation measures (referred to in the MMRP as SMM) and project-level mitigation measures (referred to in the MMRP as PMM). SCAG mitigation measures (SMMs) are intended to be implemented by SCAG over the lifetime of the RTP/SCS. Project-level mitigation measures (PMMs) are intended to be considered by lead agencies for projects proposing to streamline the environmental review process pursuant to Senate Bill (SB) 375, SB 743, or SB 226, such as the Project.

Project-level mitigation measures outlined in the PEIR should be considered and implemented by a lead agency and Project Applicant during project-specific environmental reviews, as applicable and feasible, where the lead agency has identified that a project has the potential for significant effects. However, since SCAG has no authority to impose mitigation measures, a lead agency must use its independent discretion to determine whether mitigation measures are applicable to projects in their respective jurisdictions. Lead agencies may use, amend, or not use the mitigation measures identified in the PEIR as appropriate to address project-specific conditions. In compliance with PRC Section 21151.2, the City has reviewed all of the mitigation measures in the 2020–2045 RTP/SCS PEIR MMRP and determined their potential applicability to the Project. This applicability analysis is included in the analysis below for each environmental issue identified under Appendix G of the State CEQA Guidelines. For each mitigation measure, the City determined whether to use: (1) SCAG's MMRP mitigation measure; (2) an equally effective City mitigation measure (consistent with the MMRP mitigation measures); (3) federal, state, regional, or City regulation; or (4) no mitigation, as there was no potential for a significant environmental

1 SCAG, Certified Final PEIR for the 2020–2045 RTP/SCS, May 2020.

effect. Where applicable, any mitigation measures implemented for the Project shall be identified in this section to help reduce or avoid all potentially significant impacts on the environment.

The SCEA is also required to identify any cumulative effects that have been adequately addressed and mitigated in prior applicable certified EIRs. Where it has been determined that a cumulative effect has been adequately addressed and mitigated, the cumulative effect shall not be treated as cumulatively considerable. CEQA defines cumulative impacts as "two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts." The analysis of cumulative impacts need not be as in-depth as what is performed relative to the proposed project, but instead is to "be guided by the standards of practicality and reasonableness."

The analysis of cumulative impacts provided herein is based on an assessment of reasonably foreseeable growth associated with a list of past, present, and anticipated future projects. The list of Related Projects is based on information provided by the City of Los Angeles Department of Transportation (LADOT) and the City of Los Angeles Department of City Planning, and also includes other projects in the area based on recent studies.

The list of Related Projects within 0.5 mile of the Project Site is provided in **Table 5.21-1** and shown in **Figure 5.21-1**. Although these Related Projects serve as context for the development environment in the Project vicinity, analyses may vary among certain environmental issues due to the unique characteristics and geographic context of certain impacts. The cumulative analyses for each environmental issue are provided below following the assessment of Project impacts.

1.1 Aesthetics

Senate Bill (SB) 743 [PRC Section 21099(d)] sets forth guidelines for evaluating project transportation impacts under CEQA, as follows: "Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment." PRC Section 21099(a) defines a "transit priority area" (TPA) as an area within 0.5 mile of a "major transit stop that is existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program or applicable regional transportation plan." PRC Section 21064.3 defines "major transit stop" as "a site containing any of the following: (a) [a]n existing rail or bus rapid transit station, (b) [a] ferry terminal served by either a bus or rail transit service, or (c) [t]he intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." PRC Section 21099 defines an "infill site" as a "lot located within an urban area that has been previously developed, or on a vacant site where at least 75 percent of the perimeter of the site adjoins, or is separated only by an improved public right-of-way from, parcels that are developed with qualified urban uses." This state law supersedes the aesthetic impact thresholds in the 2006 L.A. CEQA Thresholds Guide, including those established for aesthetics, obstruction of views, shading, and nighttime illumination.

The related City of Los Angeles (City) Department of City Planning Zoning Information (ZI) File ZI No. 2452 provides further instruction concerning the definition of transit priority projects and that "visual resources, aesthetic character, shade and shadow, light and glare, and scenic vistas or any other aesthetic impact as defined in the City's CEQA Threshold Guide shall not be considered an impact for infill projects within TPAs pursuant to CEQA."[2]

PRC Section 21099 applies to the Project. Specifically, the Project is a mixed-use residential project located within an infill site and located less than 0.5-mile from the intersection of Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street, (2,075 feet southeast of the Site), which is served by Metro bus lines 4, 55, and 60, each of which have 15 minute or less service frequency during peak commute hours. Therefore, this intersection qualifies as a major transit stop, and the Project's aesthetic impacts would not be considered significant impacts on the environment. The aesthetic analysis in this SCEA is for informational purposes only and not for determining whether the Project will result in significant impacts to the environment.

2 City of Los Angeles Department of City Planning, ZI File ZA No. 2452, TPAs/Exemptions to Aesthetics and Parking Within TPAs Pursuant to CEQA.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the project:				
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☒
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☒

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM AES-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to address potential aesthetic impacts to scenic vistas, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Use a palette of colors, textures, building materials that are graffiti-resistant, and/or plant materials that complement the surrounding landscape and development.

b) Use contour grading to better match surrounding terrain. Contour edges of major cut-and-fill to provide a more natural looking finished profile.

c) Design new corridor landscaping to respect existing natural and man-made features and to complement the dominant landscaping of the surrounding areas.

d) Replace and renew landscaping along corridors with road widenings, interchange projects, and related improvements.

e) Retain or replace trees bordering highways, so that clear-cutting is not evident.

f) Provide new corridor landscaping that respects and provides appropriate transition to existing natural and man-made features and is complementary to the dominant landscaping or native habitats of surrounding areas.

g) Reduce the visibility of construction staging areas by fencing and screening these areas with low contrast materials consistent with the surrounding environment, and by revegetating graded slopes and exposed earth surfaces at the earliest opportunity;

h) Use see-through safety barrier designs (e.g. railings rather than walls).

Applicability to the Project

As analyzed below, the Project would not have a substantial adverse effect on a scenic vista and, therefore, **PMM AES-1** is not applicable to the Project. However, consistent with **PMM AES-1 (g)** as well as standard industry practice, construction fencing would be installed along the perimeter of the Project Site during construction of the Project to screen construction activities from view.

PMM AES-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to address potential aesthetic impacts that substantially degrade visual character, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Minimize contrasts in scale and massing between the projects and surrounding natural forms and development, minimize their intrusion into important viewsheds, and use contour grading to better match surrounding terrain in accordance with county and city hillside ordinances, where applicable.

b) Design landscaping along highway corridors to add significant natural elements and visual interest to soften the hard-edged, linear transportation corridors.

c) Require development of design guidelines for projects that make elements of proposed buildings/facilities visually compatible or minimize visibility of changes in visual quality or character through use of hardscape and softscape solutions. Specific measures to be addressed include setback buffers, landscaping, color, texture, signage, and lighting criteria.

d) Design projects consistent with design guidelines of applicable general plans.

e) Require that sites are kept in a blight/nuisance-free condition. Remove blight or nuisances that compromise visual character or visual quality

of project areas including graffiti abatement, trash removal, landscape management, maintenance of signage and billboards in good condition, and replace compromised native vegetation and landscape.

f) Where sound walls are proposed, require sound wall construction and design methods that account for visual impacts as follows:

- use transparent panels to preserve views where sound walls would block views from residences;
- use landscaped earth berm or a combination wall and berm to minimize the apparent sound wall height;
- construct sound walls of materials whose color and texture complements the surrounding landscape and development;

g) Design sound walls to increase visual interest, reduce apparent height, and be visually compatible with the surrounding area; and landscape the sound walls with plants that screen the sound wall, preferably with either native vegetation or landscaping that complements the dominant landscaping of surrounding areas

Applicability to the Project

The Project is located within an urbanized area and, thus, pursuant to Aesthetics Threshold (c), the analysis included herein is focused on whether the Project would conflict with applicable zoning and other regulations governing scenic quality rather than on visual character. Thus, as **PMM AES-2** addresses visual character, it is not applicable to the Project. Notwithstanding, the Project would be consistent with a number of the design elements outlined in this mitigation measure, including minimizing contrasts in scale and massing with the surrounding area, designing the Project consistent with applicable design guidelines, and maintaining the Project Site such that blight or nuisance conditions do not occur.

PMM AES-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to address potential aesthetic impacts that substantially degrade visual character, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Use lighting fixtures that are adequately shielded to a point below the light build and reflector and that prevent unnecessary glare onto adjacent properties.

b) Restrict the operation of outdoor lighting for construction and operation activities to the hours of 7:00 a.m. to 10:00 p.m. or as otherwise required by applicable local rules or ordinances.

c) Use high pressure sodium and/or cut-off fixtures instead of typical mercury-vapor fixtures for outdoor lighting.

d) Use unidirectional lighting to avoid light trespass onto adjacent properties.

e) Design exterior lighting to confine illumination to the project site, and/or to areas which do not include light sensitive uses. Ongoing over the life of the plan Lead Agency Revised MMRP for the Connect SoCal Plan, Exhibit A Resolution No. 20-624-1 Impact Sciences, Inc. 4 Revised MMRP for the Connect SoCal Plan, Exhibit A 1329.001 September 2020 Mitigation Measure Mitigation Monitoring Timing Responsible Monitoring Entity

f) Provide structural and/or vegetative screening from light-sensitive uses.

g) Shield and direct all new street and pedestrian lighting away from light-sensitive off-site uses.

h) Use non-reflective glass or glass treated with a non-reflective coating for all exterior windows and glass used on building surfaces.

i) Architectural lighting shall be directed onto the building surfaces and have low reflectivity to minimize glare and limit light onto adjacent properties.

Applicability to the Project

As analyzed below, the Project would not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area. Compliance with regulatory requirements would further ensure that impacts associated with light and glare would be less than significant. As such, **PMM AES-3** is not applicable to the Project. Notwithstanding, the Project would be consistent with a number of the design elements outlined in **PMM AES-3**, including use of shielded light fixtures with low reflectivity, limiting construction activities to the permitted construction hours, incorporating lighting to minimize off-site light pollution, and use of low-reflective glass.

Impact Analysis

a) Would the project have a substantial adverse effect on a scenic vista?

No Impact. A scenic vista is a panoramic view of a valued visual resource. Panoramic views or vistas provide visual access to a large geographic area, for which the field of view can be wide and extend into the distance. Panoramic views are typically associated with vantage points looking out over a section of urban or natural areas that provide a geographic orientation not commonly available. Examples of panoramic views include an urban skyline, valley, mountain range, the ocean, or other water bodies. Focal views are also relevant when considering this

question from Appendix G of the CEQA Guidelines. Examples of focal views include natural landforms, public art/signs, individual buildings, and specific, important trees.

The Project Site is located in an urbanized area developed with a mix of low- to mid-rise commercial and residential uses. No panoramic views of valued visual resources are currently available from the Project Site. Views in the vicinity of the Project Site are largely constrained by existing structures on adjacent parcels. However, the area's relatively hilly topography offers occasional views from points of higher elevation south to Downtown LA, including the skyscrapers on Bunker Hill. The Project would not impede this view from Everett Street or adjacent points. Views from Everett to Downtown offer the greatest scenic vista and would not be blocked by the Project.

Sunset Boulevard slops upwards and to the left (past Elysian Park Avenue) as it progresses north. This constrains views in that direction. Views east and west are already limited by the existing buildings and lack of elevated viewpoints. Everett Street slopes upwards and ends at Everett Park, where trees and vegetation impede certain views onto the Site. In addition, the slope to the rear of the Project Site elevates the adjacent residential uses on Everett Street to a level similar to the proposed buildings. See also **Figure 5.1-1** showing a view from Everett Park toward Downtown Los Angeles with the proposed building B in view. As shown, the proposed building would not block any views of Downtown Los Angeles.

Figure 5.1-1
Everett Park View

Source: KTGY Architects, February 6, 2024.

Points of visual interest in the area are the decorative facades of the three residential buildings on Sunset Boulevard, north of Marion Street, across from the Sunset portion. As no designated scenic vistas in the local area would be impeded, the Project will not substantially block scenic vistas.

Based on the above, due to the urbanized nature of the area, the Project would not block or obstruct views of visual resources. Moreover, pursuant to SB 743 and ZI No. 2452, the Project's aesthetics impact would not be considered a significant impact on the environment. Therefore, development of the Project would not have a substantial adverse effect on a scenic vista, and no impact would occur.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. The Project Site is not located along a state scenic highway. The closest officially designated state scenic highways are:[3]

- State Route 27, Topanga Canyon Boulevard, from Mulholland Highway to Pacific Coast Highway. This is 19.5 miles west of the Site.
- State Route 2, Angeles Crest Highway, from 3 miles north of I-210 in La Canada to the San Bernardino County Line. This is 11.5 miles northeast of the Site.

Sunset Boulevard is not a City of Los Angeles designated scenic highway.[4]

Therefore, the Project would not substantially damage scenic resources within a state scenic highway as no scenic highways are located adjacent to or near the Project Site. Moreover, pursuant to SB 743 and ZI No. 2452, the Project's aesthetics impact would not be considered a significant impact on the environment. Therefore, no impacts would occur.

c) In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

No Impact. The Project Site is located within an urbanized area. As such, this analysis focuses on whether the Project would conflict with applicable zoning and other regulations governing scenic quality.

Zoning

3 Caltrans State Scenic Highways Map: https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa, accessed August 25, 2023.

4 Mobility Plan 2035: https://planning.lacity.org/odocument/523f2a95-9d72-41d7-aba5-1972f84c1d36/MobilityPlan2035.pdf, accessed August 25, 2023.

With regard to zoning, the Project Site is zoned C2-1VL and is designated for General Commercial land uses by the General Plan. Corresponding Zones for this designation are RAS3, CR, C1.5, C2, C4, and P. In addition to commercial uses, the C2 zone permits residential uses at one (1) dwelling units per 400 square feet of lot area. The "1VL" suffix corresponds to the Height District, which in the C Zone permits a base 1.5:1 Floor Area Ratio (FAR) and a maximum height of 45 feet.

The Project proposes the development of a mixed-use project comprised of two buildings with 327 residential units that include 41 Very Low Income affordable units and approximately 9,462 square feet of ground-floor commercial space for a total floor area of 321,300 square feet. The proposed residential and commercial uses would be consistent with the types of uses permitted in the C2 zone of the Project Site, as described below. Furthermore, the Project's proposed density, floor area, and height would be consistent with the City's zoning regulations as well as the provisions of State Density Bonus Law and the City's implementing ordinance that permit increased density as well as development incentives/concession for housing development projects that include prescribed amounts of restricted affordable housing units.

The area surrounding the Project Site is highly urbanized and includes a mix of low- to mid-rise buildings containing a variety of uses, including a myriad of commercial and residential uses. The surrounding properties are also generally zoned for C2 commercial use, consistent with the zoning of the Project Site. As such, the proposed uses would not degrade the existing visual character or quality of the area.

The area surrounding the Project Site is highly urbanized and includes a mix of low- to mid-rise buildings containing a variety of uses. The proposed buildings would be an extension of the existing types of buildings already in the area and would not introduce a new visual feature that would be out of character for the area and overall Community Plan area. Therefore, the proposed building and height would not conflict with the existing visual character of the area surrounding the Project Site.

Local land use regulations applicable to the Project Site that include policies that address scenic quality include the Los Angeles Municipal Code (LAMC), the City of Los Angeles General Plan Framework Element (Framework Element), the Community Plan (Community Plan), and the Citywide Design Guidelines. These plans, policies, and regulations are discussed in more detail below.

General Plan Framework Element

The City of Los Angeles General Plan Framework Element (Framework Element) provides direction regarding the City's vision for future development in the City. Although the Framework Element does not directly address the design of individual neighborhoods or communities, it embodies general neighborhood design policies and implementation programs that guide local planning efforts. Specifically with regard to aesthetics, the Framework Element includes goals, policies, and objectives regarding the scale and character of neighborhoods, the quality of development and public realm (Chapter 5), and topics related to lighting (Chapter 9). The Project's consistency with each of the relevant goals, policies, and objectives is also outlined in **Table 5.1-1**.

Table 5.1-1
Applicable Goals, Objectives, and Policies of the General Plan

Goal/Objective/Policy	Analysis of Project Consistency
General Plan Framework Element Land Use Chapter (Chapter 3)	
Policy 3.7.4: Improve the quality of new multi-family dwelling units based on the standards in Chapter 5 Urban Form and Neighborhood Design Chapter of this Element.	**No Conflict.** The Project would replace the existing vacant and undeveloped use on the Project Site with a new mixed-use development consisting of 327 residential and live-work units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. The proposed uses would be located within a two separate 7-story buildings that would be designed to unify and enhance the overall aesthetic environment of the Project Site and surrounding area. Furthermore, various open space areas, including a plaza on the southern end of the Project Site at the intersection of Sunset Boulevard and Everett Street would also serve to improve the overall visual quality of the Project Site. As provided below, the Project would be consistent with applicable standards in the Urban Form and Neighborhood Design Chapter of the General Plan Framework Element as well as the Urban Design Chapter of the Community Plan. Thus, the Project would not conflict with this policy.
General Plan Framework Element Housing Chapter (Chapter 4)	
Objective 4.3: Conserve scale and character of residential neighborhoods.	**No Conflict.** The Project Site vicinity includes a mix of low- to mid-rise commercial and residential uses to be developed within an existing commercial neighborhood. While the Project would result in an increase in the building density and maximum height on the Project Site, the height and bulk of the Project would remain consistent in scale with the surrounding uses. The Project would be designed to complement the surrounding uses and respond to the low- to mid-scale character of the surrounding area. Specifically, the building would utilize a variety of architectural materials and building planes to create a human-scaled building at the street level and activate the frontage along Sunset Boulevard in proximity to the existing commercial neighborhood. The Project design alternates different textures, colors, materials, and distinctive architectural treatments to add visual interest while avoiding dull and repetitive façades. Along each of the street frontages, there would be a variation between the ground floor commercial and live-work space and upper residential floors.

Goal/Objective/Policy	Analysis of Project Consistency
	Overall, the Project would provide a cohesive visual identity for the Project Site and would further develop the character of this community center. The architectural design would be responsive to the surrounding buildings and would activate the street frontage. Thus, the Project would not conflict with this objective.
General Plan Framework Element Urban Form and Neighborhood Design Chapter (Chapter 5)	
Objective 5.5: Enhance the livability of all neighborhoods by upgrading the quality of development and improving the quality of the public realm.	**No Conflict.** As described above, the Project would replace the existing commercial uses and surface parking area with a new mixed-use building comprised of 327 residential and live-work units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. The Project would contribute to the quality of the public realm by providing a plaza on the southern end of the Project Site at the intersection of Sunset Boulevard and Everett Street, which would create a community focal point and integrate the Project with the surrounding community. The Project's street frontages would be designed to be highly visually permeable with floor to ceiling windows and transparent materials at the ground floor, thereby creating a pedestrian-friendly environment and improving the quality of the public realm. Additionally, the Project would enhance the street frontages with attractive landscaping and would include pedestrian amenities and street activating uses such as outdoor dining. Overall, the Project would be designed to complement and enhance the surrounding area. Thus, the Project would not conflict with this objective.
Objective 5.8: Reinforce or encourage the establishment of a strong pedestrian orientation in designated neighborhood districts, community centers, and pedestrian-oriented subareas within regional centers, so that these districts and centers can serve as a focus of activity for the surrounding community and a focus for investment in the community.	**No Conflict.** While this is a citywide objective, the Project would support its implementation. The Project would create a pedestrian friendly environment by creating a street-level identity along Sunset Boulevard by providing a plaza on the southern end of the Project Site at the intersection of Sunset Boulevard and Everett Street. The plaza would complement the commercial uses at the ground level and integrate the Project with the surrounding community. The Project's street frontages would be designed to be highly visually permeable with floor to ceiling windows and transparent materials at the ground floor. The Project would also provide new street trees along the perimeter of the Project Site, further enhancing the pedestrian environment.

Goal/Objective/Policy	Analysis of Project Consistency
	Furthermore, the Project would include pedestrian-scale lighting fixtures and elements. Thus, the Project would not conflict with this objective.
Policy 5.8.4: Encourage that signage be designed to be integrated with the architectural character of the buildings and convey a visually attractive character.	**No Conflict.** Proposed signage would be designed to be aesthetically compatible with the proposed architecture of the building and its surroundings. Proposed signage would include identity signage, building and tenant signage, and general ground level and wayfinding pedestrian signage that would comply with LAMC regulations, as applicable. No new billboards or other off-site advertising are proposed as part of the Project. The Project would also not include signage with flashing or mechanical properties. Proposed signage would be illuminated via low-level, low-glare external lighting, internal halo lighting, or ambient light. Exterior lighting for signage would be directed onto signs to avoid creating off site glare. Illumination used for Project signage would comply with light intensities set forth in the LAMC and as measured at the property line of the nearest residentially zoned property. Thus, the Project would not conflict with this policy.
Objective 5.9: Encourage proper design and effective use of the built environment to help increase personal safety at all times of the day.	**No Conflict.** While this is a citywide objective, the Project would support its implementation. The Project would include the use of security fencing, lighting, and locked entry during construction; the use of a closed-circuit camera system and keycard for entry into residential uses and residential parking; the provision of proper lighting of the buildings, walkways, and subterranean parking areas; and entrances, exits, and open space areas that are designed to be open and in view of surrounding areas.
General Plan Framework Element Infrastructure and Public Services Chapter (Chapter 9)	
Goal 9P: Appropriate lighting required to: (1) provide for nighttime vision, visibility, and safety needs on streets, sidewalks, parking lots, transportation, recreation, security, ornamental, and other outdoor locations; (2) provide appropriate and desirable regulation of architectural and informational lighting such as building façade lighting or advertising lighting; and (3) protect and preserve the nighttime environment, views, driver visibility, and otherwise minimize or prevent light pollution, light trespass, and glare.	**No Conflict.** The Project would include low-level exterior lights along pathways for security and wayfinding purposes. In addition, low-level lighting to accent signage would be incorporated. All lighting would comply with current energy standards and regulations, as well as design requirements. Project lighting would be designed to provide efficient and effective on-site lighting while minimizing light spill-over from the Project Site, reducing sky-glow, and improving nighttime visibility through glare reduction.

Goal/Objective/Policy	Analysis of Project Consistency
	All exterior and interior lighting would meet high energy efficiency requirements utilizing light emitting diode (LED) or efficient fluorescent lighting technology. New street and pedestrian lighting within the public right-of-way would comply with applicable City regulations. Thus, the Project would not conflict with this goal.
Objective 9.40: Ensure efficient and effective energy management in providing appropriate levels of lighting for private outdoor lighting for private streets, parking areas, pedestrian areas, security lighting, and other forms of outdoor lighting and minimize or eliminate the adverse impact of lighting due to light pollution, light trespass, and glare.	**No Conflict.** Proposed lighting would be implemented in accordance with the lighting standards set forth in the California Building Code and the California Energy Code, which establish light intensities for various land uses. Furthermore, as discussed above under Goal 9P, the Project would minimize light pollution, light trespass, and glare. Thus, the Project would not conflict with this objective.
Policy 9.40.1: Require lighting on private streets, pedestrian oriented areas, and pedestrian walks to meet minimum City standards for street and sidewalk lighting.	**No Conflict.** Refer to the discussion for Goal 9P above.
Policy 9.40.2: Require parking lot lighting and related pedestrian lighting to meet recognized national standards.	**No Conflict.** Refer to the discussion for Goal 9P above. The Project would provide sufficient lighting throughout the Project Site to ensure safety and visibility. The parking levels and pedestrian walkways would be well illuminated and designed to eliminate areas of concealment. Thus, the Project would not conflict with this policy.
Policy 9.40.3: Develop regulations to ensure quality lighting to minimize or eliminate the adverse impact of lighting due to light pollution, light trespass, and glare for façade lighting, security lighting, and advertising lighting, including billboards.	**No Conflict.** While this policy is a citywide goal relating to lighting regulations, the Project would not conflict with its implementation. Refer to the discussion for Goal 9P above.
General Plan Conservation Element (Section 15)	
Objective: Protect and reinforce natural and scenic vistas as irreplaceable resources and for the aesthetic enjoyment of present and future generations.	**No Conflict.** The Project is located in an urban area and built out surroundings. Therefore, publicly available views of any valued visual resources in the vicinity of the Project Site would be maintained. Thus, the Project would not obstruct or remove access to natural and scenic vistas and would not conflict with this objective.
Project consistency with additional Framework Element goals, objectives, and policies is analyzed under Section 5.11, Land Use and Planning. Source: CAJA Environmental Services, 2023.	

The Project Site is vacant and undeveloped. The area surrounding the Project Site includes a mix of low to mid-rise commercial and residential uses. The Project would enhance the built environment in the surrounding area and upgrade the quality of development by replacing the existing uses with a new 321,300-square-foot mixed-use building comprised of 327 residential and live-work units (inclusive of 41 units reserved for Very Low-Income Households) and 9,462

square feet of ground-floor commercial space that would incorporate design elements that would enhance the quality of the visual environment. The building would utilize a variety of architectural materials and building planes to create a human-scaled building at the street level and activate the frontage along Sunset Boulevard in proximity to the existing commercial neighborhood.

The Project design alternates different textures, colors, materials, and distinctive architectural treatments to add visual interest while avoiding dull and repetitive façades. Along each of the street frontages, there would be a variation between the ground floor commercial and live-work space and upper residential floors. The height of the new buildings would fit in with the context of the taller buildings along Sunset Boulevard at White Knoll Drive and would serve as a gateway project into the area. Overall, the Project would provide a cohesive visual identity for the Project Site and would further develop the character of this community center. The architectural design would be responsive to the surrounding buildings and activate the street frontage along Sunset Boulevard.

Additionally, the Project would contribute to the quality of the public realm by providing a plaza on the southern end of the Project Site at the intersection of Sunset Boulevard and Everett Street, which would create a community focal point and integrate the Project with the surrounding community. The Project's street frontages would be designed to be highly visually permeable with floor to ceiling windows and transparent materials at the ground floor, thereby creating a pedestrian-friendly environment and improving the quality of the public realm. The Project would further enhance the street frontages with attractive landscaping and would include pedestrian amenities and street activating uses such as outdoor dining. Overall, the Project would be designed to complement and enhance the surrounding area.

The Project would also support the Framework Element's goals, policies and objectives related to lighting. Project lighting would be designed to minimize light trespass from the Project Site and would comply with all applicable LAMC requirements. In addition, any new street and pedestrian lighting within the public right-of-way would comply with applicable City regulation and would require approval from the Bureau of Street Lighting in order to maintain appropriate and safe lighting levels on sideways and roadways while minimizing light and glare on adjacent streets.

Overall, the Project design would contribute to the overall quality of the visual environment and would not contrast with the varying design elements of the uses adjacent to the Project Site. The Project would be generally consistent with the applicable goals, policies, and objectives set forth in the Framework Element's regarding scenic quality as detailed above.

Silver Lake-Echo Park-Elysian Valley Community Plan

As it relates to scenic quality, the Silver Lake-Echo Park-Elysian Valley Community Plan includes the following purpose:

> *The Design Policies for commercial corridors emphasize the visual continuity of streetscapes and creation of an environment that encourages pedestrian and economic activity.*

As previously discussed, the area surrounding the Project Site is primarily developed with a mix of low- to mid-rise commercial and residential uses. The Project would construct two buildings

that provide a continuous activated street frontage along Sunset Boulevard with ground floor live/work units and commercial spaces, including a plaza on the southern end of the Project Site at the intersection of Sunset Boulevard and Everett Street Thus, the Project would be generally consistent with this Community Plan provision.

Citywide Design Guidelines

The Citywide Design Guidelines, adopted October 24, 2019, establishes ten guidelines to carry out the common design objectives that maintain neighborhood form and character while promoting quality design and creative infill development solutions. Although each of the Citywide Design Guidelines should be considered in a project, not all will be appropriate in every case. The Project would not conflict with the Citywide Design Guidelines, as discussed below.

> Guideline 1: Promote a safe, comfortable, and accessible pedestrian experience for all.

The Project would enhance the pedestrian experience adjacent to and within the Project Site by incorporating a design that would provide a safe, comfortable, and accessible environment. Specifically, the Project ground-floor commercial spaces would be designed to be highly visually permeable with floor to ceiling windows and transparent materials, thereby creating a pedestrian-friendly environment and activating the streetscape.

In addition, the Project would install landscaping, including new trees as well as providing a plaza on the southern end of the Project Site at the intersection of Sunset Boulevard and Everett Street, which would create a community focal point and integrate the Project with the surrounding community. Access points would be designed to meet all applicable City Building Code and Fire Code requirements regarding site access and would incorporate pedestrian warning systems, as appropriate.

The Project would also comply with Americans with Disabilities Act (ADA) requirements.

Furthermore, the Project would include low-level exterior lights adjacent to the building and along pathways that would serve to enhance the safety of pedestrians at night. Overall, these Project elements would promote a safe, comfortable, and accessible pedestrian experience for all. Thus, the Project would support this guideline.

> Guideline 2: Carefully incorporate vehicular access such that it does not degrade the pedestrian experience.

Vehicular access is to be provided by three driveways located along Sunset Boulevard:

1. The first driveway will be located at the signalized intersection of Sunset Boulevard and Marion Avenue.

2. The second driveway will be an unsignalized intersection located approximately 170 feet north of the main driveway.

3. The third driveway will also be an unsignalized intersection and will be located at the northern end of the Site.

All vehicular access to the Project Site would be provided separately from the pedestrian and bicycle access points. The proposed driveways would be designed to meet all applicable City Building Code and Fire Code requirements regarding site access and would incorporate pedestrian warning systems, as appropriate. Thus, the Project would support this guideline.

Guideline 3: Design projects to actively engage with streets and public space and maintain human scale.

The building uses a variety of architectural materials and building planes to create a human-scaled building at the street level and activate the frontage along Sunset Boulevard in proximity to the existing commercial neighborhood. As previously discussed, the Project would activate the ground-floor along the street frontages by introducing new ground-floor commercial space, which would be designed to be highly visually permeable, thereby activating the streetscape. In addition, the Project would install landscaping, including new trees as well as providing a plaza on the southern end of the Project Site, which would create a community focal point and integrate the Project with the surrounding community. Overall, the Project would be designed to actively engage with streets and public space and maintain human scale. Thus, the Project would support this guideline.

Guideline 4: Organize and shape projects to recognize and respect surrounding context.

As previously discussed, the Project Site is located within the Silver Lake-Echo Park-Elysian Valley Community Plan. The area surrounding the Project Site is predominantly developed with low to mid-rise commercial and residential uses. As previously described above, the scale, massing and location of the Project will respond to the unique shape of the site and the surrounding urban context. The buildings would utilize a variety of architectural materials and building planes to create a human-scaled building at the street level and activate the frontage along Sunset Boulevard in proximity to the existing commercial neighborhood. The Project design alternates different textures, colors, materials, and distinctive architectural treatments to add visual interest while avoiding dull and repetitive façades. Along each of the street frontages, there would be a variation between the ground floor commercial and live-work space and upper residential floors. Overall, relative to the surrounding development, the Project design would complement the varying design elements of the uses adjacent to the Project Site. Thus, the Project would support this guideline.

Guideline 5: Express a clear and coherent architectural idea.

In accordance with the spirit and intent of the Silver Lake-Echo Park-Elysian Valley Community Plan, the buildings use a variety of architectural materials and building planes to create a human-scaled development at the street level and activate the frontage along Sunset Boulevard in proximity to the existing commercial neighborhood. The Project design alternates different textures, colors, materials, and distinctive architectural treatments to add visual interest while avoiding dull and repetitive façades. The proposed design employs a variety of elements to break down the building façade. Overall, the Project design would express an active, pedestrian-friendly, compatible design that would complement the varying design elements of the uses adjacent to the Project Site. Thus, the Project would support this guideline.

Guideline 6: Provide amenities that support community building and provide an inviting, comfortable user experience.

As previously discussed, the Project would enhance the streetscape adjacent to the Project Site by developing an active ground floor commercial space and installing extensive landscaping. The Project would also feature a plaza on the southern end of the Project Site, which would create a community focal point and integrate the Project with the surrounding community. The plaza would provide a raised planter, seating, tables, and landscaping. In addition, the Project would include low-level exterior lights adjacent to the building and along pathways that would serve to enhance the safety of pedestrians at night. Thus, the Project would support this guideline.

Guideline 7: Carefully arrange design elements and uses to protect site users.

Parking would be provided within subterranean levels and in Levels 1 and 2 of the proposed buildings, which would be wrapped in active uses (residential or commercial) and landscaping. The Project would reduce the overall number of vehicular driveways and potential conflicts by providing full-access driveways on Sunset Boulevard. All vehicular access to the Project Site would be provided separately from the pedestrian and bicycle access points. The proposed driveways would be designed to meet all applicable City Building Code and Fire Code requirements regarding site access and would incorporate pedestrian warning systems, as appropriate. The Project would also include lighting of building entries and walkways to provide for pedestrian orientation and to clearly identify a secure route between parking areas and points of entry to the commercial and residential uses. Thus, the Project would support this guideline.

Guideline 8: Protect the site's natural resources and features.

The Project Site is located in an urbanized area and is vacant and undeveloped. The Project Site contains limited to sparse landscaping in the form of nonnative/non protected trees, hedges, and shrubs. There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard. The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[5] Therefore, there is nothing onsite or offsite that constitutes a protected tree or shrub.[6]

The Project will be required to provide at least 82 trees (327 units / 4). The Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[7]

5 Protected Tree Report, JTL Consultants, August 31, 2023.

6 LAMC Section 46.01: "PROTECTED TREE OR SHRUB" means any of the following Southern California indigenous tree species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the tree, or any of the following Southern California indigenous shrub species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the shrub: Protected Trees: (a) Oak tree including Valley Oak (Quercus lobata) and California Live Oak (Quercus agrifolia), or any other tree of the oak genus indigenous to California but excluding the Scrub Oak (Quercus berberidifolia); (b) Southern California Black Walnut (Juglans californica); (c) Western Sycamore (Platanus racemosa);(d) California Bay (Umellularia californica). Protected Shrubs: (a) Mexican Elderberry (Sambucus mexicana); (b) Toyon (Heteromeles arbutifolia). This definition shall not include any tree or shrub grown or held for sale by a licensed nursery, or trees or shrubs planted or grown as a part of a planting program.

7 Plans, KTGY Architecture and Planning, February 6, 2024.

The Project would replace the removed street trees in compliance with the City's Urban Forestry Division standards and subject to approval by the Board of Public Works. Thus, the Project would support this guideline.

> Guideline 9: Configure the site layout, building massing and orientation to lower energy demand and increase the comfort and well-being of users.

As discussed in Section 3, Project Description, of this SCEA, the Project has been designed and would be constructed to incorporate environmentally sustainable building features and construction protocols required by the Los Angeles Green Building Code and the CALGreen. The Project's design is based on principles of smart growth and environmental sustainability, as demonstrated by its mixed-use configuration, emphasis on walkability, bike-friendly environment, and proximity to public transit. "Green" features would include energy-efficient buildings, a pedestrian-friendly site design, and water conservation and waste reduction measures, among others. The Project would also utilize sustainable planning and building strategies and would incorporate the use of environmentally friendly materials wherever applicable. Therefore, the Project would lower energy demand and increase the comfort and well-being of users through site layout, building massing, and orientation. Thus, the Project would support this guideline.

> Guideline 10: Enhance green features to increase opportunities to capture stormwater and promote habitat.

The Project would be required to comply with the City's Low Impact Development (LID) ordinance and implement standard erosion controls to limit stormwater runoff. As part of these requirements, the Project would include the installation of building roof drain downspouts, catch basins, and planter drains throughout the Project Site. The installed BMP systems will be designed with an internal bypass overflow system to prevent upstream flooding during major storm events. The stormwater which bypasses the BMP systems would discharge to an approved discharge point in the public right-of-way. In addition, the Project would incorporate drought tolerant landscaping throughout the Project Site. Thus, the Project would support this guideline.

Based on the above, the Project would not conflict with applicable regulations governing scenic quality, including those contained in the LAMC, General Plan Framework Element, Community Plan, and Citywide Design Guidelines. Moreover, pursuant to Senate Bill 743 and ZI No. 2452, the Project's aesthetics impact would not be considered significant. Therefore, no impacts would occur.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

No Impact. Nighttime illumination of varying intensities is characteristic of most urban land uses, including those in the vicinity of the Project Site. New light sources introduced by a project may increase ambient nighttime illumination levels. Additionally, nighttime spillover of light onto adjacent properties has the potential to interfere with certain functions, including vision, sleep, privacy, and general enjoyment of the natural nighttime condition. The significance of the impact depends on the type of use(s) affected, proximity to the affected use(s), the intensity of the light source, and the existing ambient light environment. Uses considered sensitive to nighttime light

include, but are not limited to, residential, some commercial and institutional uses, and natural areas.

Glare occurs during both daytime and nighttime hours. Daytime glare is caused by the reflection of sunlight or artificial light from highly polished surfaces, such as window glass or reflective materials, and, to a lesser degree, from broad expanses of light-colored surfaces. Daytime glare generation is common in urban areas and is typically associated with mid- to high-rise buildings with exterior façades largely or entirely comprised of highly reflective glass or mirror-like materials from which the sun can reflect, particularly following sunrise and prior to sunset. Daytime glare generation is typically related to sun angles, although glare resulting from reflected sunlight can occur regularly at certain times of the year. Glare can also be produced during evening and nighttime hours by artificial light directed toward a light-sensitive land use.

Construction

While the majority of Project construction would occur during daylight hours, there is a potential that construction could occur in the evening hours and require the use of artificial lighting, particularly during the winter season when daylight is no longer sufficient earlier in the day. Outdoor lighting sources, such as floodlights, spotlights, and/or headlights associated with construction equipment and hauling trucks, typically accompany nighttime construction activities. To the extent evening construction includes artificial light sources, such use would be temporary, for a short duration while construction activities conclude for the day and would cease upon completion of Project construction. Furthermore, construction-related illumination would be used for safety and security purposes only, in compliance with LAMC light intensity requirements.[8] Additionally, as part of the Project, construction lighting would be shielded to minimize the potential for light spillover to affect adjacent residential properties. Project construction lighting, while potentially bright, would be focused on the particular area undergoing work.

Daytime glare could potentially occur during construction activities if reflective construction materials were positioned in highly visible locations where the reflection of sunlight could occur. Minor amounts of glare could also occur due to on-site vehicles. However, any glare would be highly transitory and short-term, given the movement of construction equipment and materials within the construction area and the temporary nature of construction activities. In addition, large, flat surfaces that are generally required to generate substantial glare are typically not an element of construction activities. Furthermore, as noted above, construction would primarily occur during the daytime hours in accordance with the LAMC. Therefore, there would be a negligible potential for nighttime glare associated with construction activities to occur, and impacts would be less than significant.

Operation

Vehicle headlights from traffic on Sunset Boulevard, Marion Avenue, and Everett Street also contribute to overall ambient lighting levels. The Project would include low-level exterior lights along pathways for security and wayfinding purposes. In addition, low-level lighting to accent

8 LAMC Chapter 9, Article 3, Section 93.0117(b) provides that no exterior light source may cause more than 2 foot-candles (21.5 lx) of light intensity or generate direct glare onto exterior glazed windows or glass doors; elevated porch, deck, or balcony; or any ground surface intended for uses such as recreation, barbecue or lawn areas or any property containing a residential unit or units.

signage would be incorporated. All lighting would comply with current energy standards and regulations, as well as design requirements. Project lighting would be designed to provide efficient and effective on-site lighting while minimizing light spill-over from the Project Site, reducing sky-glow, and improving nighttime visibility through glare reduction. Specifically, all on-site exterior lighting would be automatically controlled via photo sensors to illuminate only when required and would be shielded or directed toward areas to be illuminated to limit spill-over onto neighboring properties. All exterior and interior lighting would meet high energy efficiency requirements utilizing light emitting diode (LED) or efficient fluorescent lighting technology. New street and pedestrian lighting within the public right-of-way would comply with applicable City regulations.

Proposed signage would be designed to be aesthetically compatible with the proposed architecture of the building and its surroundings. Proposed signage would include identity signage, building and tenant signage, and general ground level and way-finding pedestrian signage that would comply with LAMC regulations and the provisions of the CDO, as applicable. No new billboards or other off-site advertising are proposed as part of the Project. The Project would also not include signage with flashing or mechanical properties. Proposed signage would be illuminated via low-level, low-glare external lighting, internal halo lighting, or ambient light. Exterior lighting for signage would be directed onto signs to avoid creating off site glare. Illumination used for Project signage would comply with light intensities set forth in the LAMC and as measured at the property line of the nearest residentially zoned property.

As it relates to glare, sun reflection from Project development could occur when the sun is low on the horizon, and motor vehicle operations could be affected when the point of reflection within the Project Site is in front of the driver. The Project would feature a variety of surface materials, including, but not limited to, glass, concrete, timber, and metal. As part of the Project, glass used in building façades would have high-performance coatings that would not be highly reflective, thereby minimizing glare from reflected sunlight.

Nighttime glare could result primarily from on-site illumination and vehicle headlights. As described above, the Project's illuminated signs would not exceed the prescribed LAMC lighting requirements. Furthermore, while headlights from vehicles entering and exiting the Project Site would be visible during the evening and nighttime hours, such lighting sources would be typical for the area. Thus, nighttime glare would not result in a substantial adverse impact.

The Project would adhere to existing regulatory requirements regarding light and glare, including those contained in the LAMC, the City's Green Building Code, and CALGreen (e.g., LAMC Section 93.0117(b), LAMC Section 99.05.106.8, CALGreen Section 5.106.8).

Thus, based on the above, construction and operation of the Project would not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area. Moreover, pursuant to Senate Bill 743 and ZI No. 2452, the Project's aesthetics impact would not be considered significant. Therefore, no impacts would occur.

Cumulative Impacts

Less Than Significant Impact. A cumulative analysis of aesthetics impacts includes the Related Projects that would be sufficiently close to influence the visual character of the immediate Project

area, that fall within the same viewshed as the Project, or that affect the same off-site sensitive uses.

There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[9]

Related Project No. 3 (1013 Everett Street, 150 feet north), Related Project No. 6 (1274 Sunset Boulevard, 240 feet northwest), Related Project No. 7 (1275 Sunset Boulevard, 260 feet north), Related Project No. 8 (1111 Sunset Boulevard, 200 feet south), and Related Project No. 9 (151 Sunset Boulevard, 5 feet north) are close enough to the Project Site to be considered in the cumulative analysis.

Only one of these Related Projects (No. 9) is directly adjacent to the Project Site, but would not block views of Sunset Boulevard due to the sloping elevation of the sites. The others are separated by existing roadways and intervening buildings. All Related Projects would result in an overall incremental intensification of land uses in the vicinity of the Project Site. However, the Project and Related Projects, including those identified above, would be required to comply with applicable City regulations, design guidelines, and other land use and zoning controls regarding density, floor area, lighting, and design.

Furthermore, as described above, the Project would result in less than significant impacts regarding scenic vistas, visual character, and light and glare. Moreover, pursuant to Senate Bill 743 and ZI No. 2452, the Project's aesthetics impact would not be considered significant.

Therefore, the Project's contribution to cumulative impacts regarding aesthetics would not be cumulatively considerable and cumulative impacts would be less than significant.

9 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

1.2 Agriculture and Forest Resources

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM AG-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to address potential adverse effects on agricultural resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Require project sponsors to mitigate for loss of farmland by providing permanent protection of in-kind farmland in the form of easements, fees, or elimination of development rights/potential.

b) Project relocation or corridor realignment to avoid Prime Farmland, Unique Farmland, or Farmland of Local or Statewide Importance.

c) Maintain and expand agricultural land protections such as urban growth boundaries.

d) Provide for mitigation fees to support a mitigation bank[10] that invests in farmer education, agricultural infrastructure, water supply, marketing, etc. that enhance the commercial viability of retained agricultural lands.

e) Minimize severance and fragmentation of agricultural land by constructing underpasses and overpasses at reasonable intervals to provide property access.

f) Use berms, buffer zones, setbacks, and fencing to reduce conflicts between new development and farming uses and protect the functions of farmland.

Applicability to the Project

As analyzed below, the Project would not convert farmland to a non-agricultural use, and therefore, **PMM AG-1** is not applicable to the Project.

PMM AG-2: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects on Williamson Act contracts to the maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:

a) Project relocation or corridor realignment to avoid lands in Williamson Act contracts.

b) Establish conservation easements consistent with the recommendations of the Department of Conservation, or 20-year Farmland Security Zone contracts (Government Code Section 51296 et seq.), 10-year Williamson Act contracts (Government Code Section 51200 et seq.), or use of other conservation tools available from the California Department of Conservation Division of Land Resource Protection

Applicability to the Project

The Project Site is not zoned for agricultural production, there is no farmland on the Project Site, and there are no Williamson Act Contracts in effect for the Project Site. Thus, **PMM AG-2** is not applicable to the Project.

PMM AG-3: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects, through the conversion of Farmland to maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:

10 The California Department of Fish and Wildlife provides a definition for conservation or mitigation banks on their website.

a) Minimize construction related impacts to agricultural and forestry resources by locating materials and stationary equipment in such a way as to prevent conflict with agriculture and forestry resources.

Applicability to the Project

The Project Site does not contain forest land or timberland and therefore, **PMM AG-3** is not applicable to the Project.

PMM AG-4: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects, through the conversion of Farmland, to the maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:

a) Design proposed projects to minimize, to the greatest extent feasible, the loss of the highest valued agricultural land.

b) Redesign project features to minimize fragmenting or isolating Farmland. Where a project involves acquiring land or easements, ensure that the remaining non-project area is of a size sufficient to allow economically viable farming operations. The project proponents shall be responsible for acquiring easements, making lot line adjustments, and merging affected land parcels into units suitable for continued commercial agricultural management.

c) Reconnect utilities or infrastructure that serve agricultural uses if these are disturbed by project construction. If a project temporarily or permanently cuts off roadway access or removes utility lines, irrigation features, or other infrastructure, the project proponents shall be responsible for restoring access as necessary to ensure that economically viable farming operations are not interrupted.

Applicability to the Project

The Project Site is not zoned for agricultural uses and there is no farmland on the Project Site. Thus, **PMM AG-4** is not applicable to the Project.

PMM AG-5: Project level mitigation measures can and should be considered by Lead Agencies as applicable and feasible. Measures to reduce substantial adverse effects, through the conversion of Farmland, to the maximum extent practicable, as determined appropriate by each Lead Agency, may include the following, or other comparable measures:

a) Manage project operations to minimize the introduction of invasive species or weeds that may affect agricultural production on adjacent agricultural land. Where a project has the potential to introduce sensitive species or habitats or have other spill-over effects on nearby

agricultural lands, the project proponents shall be responsible for acquiring easements on nearby agricultural land and/or financially compensating for indirect effects on nearby agricultural land. Easements (e.g., flowage easements) shall be required for temporary or intermittent interruption in farming activities (e.g., because of seasonal flooding or groundwater). Acquisition or compensation would be required for permanent or significant loss of economically viable operations.

Applicability to the Project

The Project Site is not zoned for agricultural uses and is not located adjacent to agricultural uses. Thus, **PMM AG-5** is not applicable to the Project.

Impact Analysis

a) Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The Project Site is located in an urbanized area of the City and is zoned C2-1VL (Commercial zone in Height District 1 Very Limited) and General Commercial designation).

The Project Site is vacant. No agricultural uses or operations occur on-site or directly adjacent to the Project Site.

The Project Site and surrounding area are designated Urban and Built-Up Land and not mapped as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency Department of Conservation. [11]

Thus, the Project would not convert farmland to a non-agricultural use and no impact would occur.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Project Site is located in an urbanized area of the City and is zoned C2-1VL (Commercial zone in Height District 1 Very Limited) and General Commercial designation). As such, the Project Site is not zoned for agricultural use.[12] Furthermore, no agricultural zoning is present in the surrounding area.

The California Land Conservation Act of 1965 (commonly referred to as the Williamson Act) enables local governments to enter contracts with private landowners for the purpose of restricting

11 State of California Department of Conservation, Farmland Mapping and Monitoring Program, Los Angeles County Important Farmland 2018, Map, websites: https://maps.conservation.ca.gov/DLRP/CIFF/, and https://www.conservation.ca.gov/dlrp/fmmp/Pages/LosAngeles.aspx, accessed August 29, 2023.

12 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

specific parcels of land to agricultural or related open space use. In return, landowners receive property tax assessments which are much lower than normal because they are based upon farming and open space uses as opposed to full market value. The Project Site and surrounding area are also not enrolled under a Williamson Act Contract.[13]

Therefore, the Project would not conflict with any existing zoning for agricultural uses or a Williamson Act Contract and no impact would occur.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The Project Site is vacant. The Project Site does not include any forest land or timberland. In addition, the Project Site is currently zoned for commercial uses and is not zoned and/or used as forest land.[14]

Thus, the Project would not conflict with existing zoning for, or cause rezoning of, forest land or timberland as defined by Public Resources Code section 12220(g), Public Resources Code section 4526, and Government Code section 51104(g) and no impact would occur.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project Site is zoned for commercial uses and is vacant. The Project Site is located in an urbanized area and is not used as forest land.

Therefore, the Project would not result in the loss of forest land or conversion of forest land to non-forest use and no impact would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?

No Impact. As described above, the Project Site is located within an urbanized area and there is no farmland or forest land on or near the Project Site.

Therefore, the Project would not result in the conversion of farmland to non-agricultural use or forest land to non-forest use and no impact would occur.

Cumulative Impacts

No Impact. The geographic context for a cumulative impact analysis on agriculture resources is the County of Los Angeles (County), and the geographic context for the cumulative analysis on forest resources is CAL FIRE's 19.9-million-acre South Coast area, which encompasses four

13 State of California Department of Conservation, Williamson Act Program, website: https://www.conservation.ca.gov/dlrp/wa, accessed August 29, 2023.

14 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

national forests (Angeles, Cleveland, Los Padres, and San Bernardino) and other federal, state-, and privately-owned land.

The Project and the Related Projects are located within a developed, urbanized area of the City generally zoned for commercial and residential uses and do not support existing farming, agricultural, or forest-related operations. Therefore, development of the Related Projects together with the Project would not result in the conversion of State-designated agricultural land from an agricultural use to a non-agricultural use or result in the loss of forest land or the conversion of forest land to non-forest use.

Therefore, the Project's contribution to cumulative impacts regarding agricultural resources would not be cumulatively considerable and no cumulative impacts would occur.

1.3 Air Quality

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

This section is based on the following item, which is included as **Appendix B** to this SCEA:

B Air Quality Technical Report and Technical Appendix, DKA Planning, October 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM AQ-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to violating air quality standards. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Minimize land disturbance.

b) Suspend grading and earth moving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes.

c) Cover trucks when hauling dirt.

d) Stabilize the surface of dirt piles if not removed immediately.

e) Limit vehicular paths on unpaved surfaces and stabilize any temporary roads

f) Minimize unnecessary vehicular and machinery activities.

g) Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.

h) Revegetate disturbed land, including vehicular paths created during construction to avoid future off-road vehicular activities.

i) On Caltrans projects, Caltrans Standard Specifications 10—Dust Control, 17—Watering, and 18—Dust Palliative shall be incorporated into project specifications.

j) Require contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet. Daily logging of the operating hours of the equipment should also be required.

k) Ensure that all construction equipment is properly tuned and maintained.

l) Minimize idling time to 5 minutes or beyond regulatory requirements—saves fuel and reduces emissions.

m) Provide an operational water truck on-site at all times. Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the project work areas. Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.

n) Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.

o) Develop a traffic plan to minimize community impacts as a result of traffic flow interference from construction activities. The plan may include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through-traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites. Project sponsors should consider developing a goal for the minimization of community impacts.

p) As appropriate require that portable engines and portable engine-driven equipment units used at the project work site, with the exception of on-road and off-road motor vehicles, obtain CARB Portable Equipment Registration with the state or a local district permit. Arrange appropriate

consultations with the CARB or the District to determine registration and permitting requirements prior to equipment operation at the site.

q) Require projects to use Tier 4 Final equipment or better for all engines above 50 horsepower (hp). In the event that construction equipment cannot meet to Tier 4 Final engine certification, the Project representative or contractor must demonstrate through future study with written findings supported by substantial evidence that is approved by SCAG before using other technologies/strategies. Alternative applicable strategies may include, but would not be limited to, construction equipment with Tier 4 Interim or reduction in the number and/or horsepower rating of construction equipment and/or limiting the number of construction equipment operating at the same time. All equipment must be tuned and maintained in compliance with the manufacturer's recommended maintenance schedule and specifications. All maintenance records for each equipment and their contractor(s) should make available for inspection and remain on-site for a period of at least two years from completion of construction, unless the individual project can demonstrate that Tier 4 engines would not be required to mitigate emissions below significance thresholds. Project sponsors should also consider including ZE/ZNE technologies where appropriate and feasible.

r) Projects located within the South Coast Air Basin should consider applying for South Coast AQMD "SOON" funds which provides funds to applicable fleets for the purchase of commercially available low-emission heavy-duty engines to achieve near-term reduction of NOx emissions from in-use off-road diesel vehicles.

s) Projects located within AB 617 communities should review the applicable Community Emissions Reduction Plan (CERP) for additional mitigation that can be applied to individual projects.

t) Where applicable, projects should provide information about air quality related programs to schools, including the Environmental Justice Community Partnerships (EJCP), Clean Air Ranger Education (CARE), and Why Air Quality Matters programs.

u) Projects should work with local cities and counties to install adequate signage that prohibits truck idling in certain locations (e.g., near schools and sensitive receptors).

v) As applicable for airport projects, the following measures should be considered:

    a. Considering operational improvements to reduce taxi time and auxiliary power unit usage, where feasible. Additionally, consider

single engine taxing, if feasible as allowed per Federal Aviation Administration guidelines.

b. Set goals to achieve a reduction in emissions from aircraft operations over the lifetime of the proposed project.

c. Require the use of ground service equipment (GSE) that can operate on battery-power. If electric equipment cannot be obtained, require the use of alternative fuel, the cleanest gasoline equipment, or Tier 4, at a minimum.

w) As applicable for port projects, the following measures should be considered:

a. Develop specific timelines for transitioning to zero emission cargo handling equipment (CHE).

b. Develop interim performance standards with a minimum amount of CHE replacement each year to ensure adequate progress.

c. Use short side electric power for ships, which may include tugboats and other ocean-going vessels or develop incentives to gradually ramp up the usage of shore power.

d. Install the appropriate infrastructure to provide shore power to operate the ships. Electrical hookups should be appropriately sized.

e. Maximize participation in the Port of Los Angeles' Vessel Speed Reduction Program or the Port of Long Beach's Green Flag Initiation Program in order to reduce the speed of vessel transiting within 40 nautical miles of Point Fermin.

f. Encourage the participation in the Green Ship Incentives.

g. Offer incentives to encourage the use of on-dock rail.

x) As applicable for rail projects, the following measures should be considered:

a. Provide the highest incentives for electric locomotives and then locomotives that meet Tier 5 emission standards with a floor on the incentives for locomotives that meet Tier 4 emission standards.

y) Projects that will introduce sensitive receptors within 500 feet of freeways and other sources should consider installing high efficiency of enhanced filtration units, such as Minimum Efficiency Reporting Value (MERV) 13 or better. Installation of enhanced filtration units can be verified during occupancy inspection prior to the issuance of an occupancy permit.

z) Develop an ongoing monitoring, inspection, and maintenance program for the MERV filters.

   a. Disclose potential health impacts to prospective sensitive receptors from living in close proximity to freeways or other sources of air pollution and the reduced effectiveness of air filtration systems when windows are open or residents are outside.

   b. Identify the responsible implementing and enforcement agency to ensure that enhanced filtration units are installed on-site before a permit of occupancy is issued.

   c. Disclose the potential increase in energy costs for running the HVAC system to prospective residents.

   d. Provide information to residents on where MERV filters can be purchased.

   e. Provide recommended schedule (e.g., every year or every six months) for replacing the enhanced filtration units.

   f. Identify the responsible entity such as future residents themselves, Homeowner's Association, or property managers for ensuring enhanced filtration units are replaced on time.

   g. Identify, provide, and disclose ongoing cost-sharing strategies, if any, for replacing the enhanced filtration units.

   h. Set criteria for assessing progress in installing and replacing the enhanced filtration units; and

   i. Develop a process for evaluating the effectiveness of the enhanced filtration units.

aa) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities

bb) The following criteria related to diesel emissions shall be implemented on by individual project sponsors as appropriate and feasible:

- Diesel nonroad vehicles on site for more than 10 total days shall have either (1) engines that meet EPA on road emissions standards or (2) emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.

- Diesel generators on site for more than 10 total days shall be equipped with emission control technology verified by EPA or

CARB to reduce PM emissions by a minimum of 85%. diesel engines on site shall be Tier 2 or higher.

- Diesel nonroad construction equipment on site for more than 10 total days shall have either (1) engines meeting EPA Tier 4 nonroad emissions standards or (2) emission control technology verified by EPA or CARB for use with nonroad engines to reduce PM emissions by a minimum of 85% for engines for 50 hp and greater and by a minimum of 20% for engines less than 50 hp.

- Emission control technology shall be operated, maintained, and serviced as recommended by the emission control technology manufacturer.

- Diesel vehicles, construction equipment, and generators on site shall be fueled with ultra-low sulfur diesel fuel (ULSD) or a biodiesel blend approved by the original engine manufacturer with sulfur content of 15 ppm or less

- The construction contractor shall maintain a list of all diesel vehicles, construction equipment, and generators to be used on site. The list shall include the following:

    i. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment.

    ii. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, engine serial number, and expected fuel usage and hours of operation.

    iii. For the emission control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date and hour-meter reading on installation date.

- The contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities.

- The contractor shall maintain a monthly report that, for each on road diesel vehicle, nonroad construction equipment, or generator on-site, includes:

i. Hour-meter readings on arrival on-site, the first and last day of every month, and on off-site date.

ii. Any problems with the equipment or emission controls.

iii. Certified copies of fuel deliveries for the time period that identify:

1. Source of supply

2. Quantity of fuel

3. Quantity of fuel, including sulfur content (percent by weight)

cc) Project should exceed Title-24 Building Envelope Energy Efficiency Standards (California Building Standards Code). The following measures can be used to increase energy efficiency:

- Install programmable thermostat timers
- Obtain Third-party HVAC commissioning and verification of energy savings (to be grouped with exceedance of Title 24).
- Install energy efficient appliances (Typical reductions for energy-efficient appliances can be found in the Energy Star and Other Climate Protection Partnerships Annual Reports.)
- Install higher efficacy public street and area lighting
- Limit outdoor lighting requirements
- Replace traffic lights with LED traffic lights
- Establish on-site renewable or carbon neutral energy systems—generic, solar power and wind power
- Utilize a combined heat and power system
- Establish methane recovery in Landfills and Wastewater Treatment Plants.
- Locate project near bike path/bike lane
- Provide pedestrian network improvements, such as interconnected street network, narrower roadways and shorter block lengths, sidewalks, accessibility to transit and transit shelters, traffic calming measures, parks and public spaces, minimize pedestrian barriers.
- Provide traffic calming measures, such as:

i. Marked crosswalks

ii. Count-down signal timers

iii. Curb extensions

iv. Speed tables

v. Raised crosswalks

vi. Raised intersections

vii. Median islands

viii. Tight corner radii

ix. Roundabouts or mini-circles

x. On-street parking

xi. Chicanes/chokers

- Create urban non-motorized zones
- Provide bike parking in non-residential and multi-unit residential projects
- Dedicate land for bike trails
- Limit parking supply through:

  i. Elimination (or reduction) of minimum parking requirements

  ii. Creation of maximum parking requirements

  iii. Provision of shared parking

- Require residential area parking permit.
- Provide ride-sharing programs

  i. Designate a certain percentage of parking spacing for ride sharing vehicles

  ii. Designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles

  iii. Providing a web site or messaging board for coordinating rides

  iv. Permanent transportation management association membership and finding requirement.

Applicability to the Project

The measures included in **PMM AQ-1** are not applicable to the Project as existing regulatory measures that would apply to the Project, including those identified by the California Air Resources Board (CARB) and SCAG to facilitate consistency with applicable air quality plans, as discussed below, are equal to or more effective than the measures of **PMM AQ-1**, such that the Project would not result in any substantial adverse effects related to violating air quality standards. In addition, as described below, the Project will implement **Project Design Feature PDF-AIR-1** regarding the use of Tier 4 construction equipment. Accordingly, the Project is consistent with **PMM AQ-1**.

Impact Analysis

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The Project Site is located within the 6,745-square-mile South Coast Air Basin (Basin), which includes all of Orange County and portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for the Basin and is required, pursuant to the Clean Air Act, to reduce emissions of criteria pollutants for which the Basin is in non-attainment (i.e., ozone [O_3]).

SCAQMD's 2022 Air Quality Management Plan (2022 AQMP) is the regional blueprint for achieving air quality standards and healthful air. The 2022 AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions and achieving ambient air quality standards. These strategies are developed, in part, based on regional population, housing, and employment projections prepared by SCAG.

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development and the environment.[15] With regard to future growth, SCAG has prepared the 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS) which provides population, housing, and employment projections for cities under its jurisdiction. The growth projections in the 2020–2045 RTP/SCS are based in part on projections originating under County and City General Plans. These growth projections were utilized in the preparation of the air quality forecasts and consistency analysis included in the 2022 AQMP. The 2020-2045 RTP/SCS accommodates 4,771,300 persons; 1,793,000 households; and 2,135,900 jobs in the City of Los Angeles by 2045.

The 2022 AQMP was adopted by the SCAQMD as a program to lead the Air Basin into compliance with several criteria pollutant standards and other federal requirements. It relies on emissions forecasts based on demographic and economic growth projections provided by SCAG's 2020–2045 RTP/SCS. SCAG is charged by California law to prepare and approve "the portions of each AQMP relating to demographic projections and integrated regional land use, housing, employment, and transportation programs, measures and strategies." Projects whose growth is

15 SCAG serves as the federally designated metropolitan planning organization (MPO) for the southern California region.

included in the projections used in the formulation of the AQMP are considered to be consistent with the plan and not to interfere with its attainment. The SCAQMD recommends that, when determining whether a project is consistent with the current AQMP, a lead agency must assess whether the project would directly obstruct implementation of the plan and whether it is consistent with the demographic and economic assumptions (typically land use related, such as resultant employment or residential units) upon which the plan is based.

As described in detail in Part 3, Project Description, of this SCEA, the Project would include a new mixed-use building on an approximately 2.459-acre site. The Project would include new residential and retail uses totaling 321,300 square feet. Specifically, the Project would provide 327 residential units, including 41 affordable housing units, and 9,462 square feet of commercial uses.

As discussed under Checklist Section 14, Population and Housing, below, it is expected that the Project would increase population and number of jobs by 773 residents and new 38 employees.[16] This increase in population and employees would be well within the existing population and employment projections for the community and region and would be able to be accommodated by vacancies in the housing stock and new residential units currently being developed in the region.

The Project's residential population would represent approximately 0.09 percent of the forecast population growth between 2016 and 2045 in the RTP/SCS. The Project's employment population would represent approximately 0.01 percent of the forecast job growth between 2016 and 2045.

Furthermore, while the Project would generate part-time and full-time jobs associated with construction of the Project between the start of construction and Project buildout, these would be short-term opportunities and are employment positions that circulate throughout the region based on the construction site. Therefore, because the Project would result in a minimal increase in population and permanent employment, it would be consistent with the demographic projections set forth in SCAG's 2020–2045 RTP/SCS and which were used in the 2022 AQMP. Thus, the Project would not conflict with or obstruct implementation of the 2022 AQMP.

The City's General Plan Air Quality Element identifies policies and strategies for advancing the City's clean air goals. To achieve the goals of the Air Quality Element, performance-based standards have been adopted by the City of Los Angeles to provide flexibility in implementation of its policies and objectives. The goal, objectives, and policies provided in the City's Air Quality Element applicable to the Project include the following:

- **Goal 1:** Good air quality and mobility in an environment of continued population growth and healthy economic structure.

- **Objective 1.1:** It is the objective of the City of Los Angeles to reduce air pollutants consistent with the Regional Air Quality Management Plan (AQMP), increase traffic mobility, and sustain economic growth citywide.

16 Transportation Assessment, Fehr & Peers, October 2023. VMT Calculator, which provides total population and employees.

- **Objective 1.3:** It is the objective of the City of Los Angeles to reduce particulate air pollutants emanating from unpaved areas, parking lots, and construction sites.

- **Policy 1.3.2:** Minimize particulate emissions from unpaved roads and parking lots which are associated with vehicular traffic.

- **Policy 4.2.3:** Ensure that new development is compatible with pedestrians, bicycles, transit, and alternative fuel vehicles.

The City's General Plan Air Quality Element identifies 30 policies with specific strategies for advancing the City's clean air goals. As illustrated in **Table 5.3-1**, the Project is consistent with the applicable policies in the Air Quality Element, as the Project would implement sustainability features that would reduce vehicular trips, reduce VMT, and encourage the use of alternative modes of transportation. Therefore, the Project would result in a less than significant impact related to consistency with the Air Quality Element.

Table 5.3-1
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
Policy 1.3.1. Minimize particulate emissions from construction sites.	**Consistent.** The Project would minimize particulate emissions during construction through best practices and/or SCAQMD rules (e.g., Rule 403, Fugitive Dust).
Policy 1.3.2. Minimize particulate emissions from unpaved roads and parking lots associated with vehicular traffic.	**Not Applicable.** The Project would not involve use of unpaved roads or parking lots.
Policy 2.1.1. Utilize compressed work weeks and flextime, telecommuting, carpooling, vanpooling, public transit, and improve walking/bicycling related facilities in order to reduce vehicle trips and/or VMT as an employer and encourage the private sector to do the same to reduce work trips and traffic congestion.	**Consistent.** The proposed development would include retail and restaurant employees that could access transportation options to driving to work. The Project Site is well-served by public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.
Policy 2.1.2. Facilitate and encourage the use of telecommunications (i.e., telecommuting) in both the public and private sectors, in order to reduce work trips.	**Consistent.** Residents could use high-speed telecommunications services as an alternative to driving to work. A June 2020 study by the National Bureau of Economic Research found that 37 percent of jobs can be performed entirely from home (https://www.nber.org/papers/w26948). As such, the Proposed Project could help reduce commuting to work through telecommuting.

Table 5.3-1
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
Policy 2.2.1. Discourage single-occupant vehicle use through a variety of measures such as market incentive strategies, mode-shift incentives, trip reduction plans and ridesharing subsidies.	**Consistent.** As the Project Site is subject to AB 2097 and therefore not required to provide any minimum amount of vehicular parking, the Project would discourage car ownership and resulting single-occupant vehicle use because of the limited parking (263 spaces) for residents and merchants.
Policy 2.2.2. Encourage multi-occupant vehicle travel and discourage single-occupant vehicle travel by instituting parking management practices.	**Consistent.** As noted above, AB 2097 allows the Project's garage to be limited to parking for 263 vehicles. This would reduce car ownership for residents and resulting single-occupant vehicle trips. The development would provide transit and active transportation options to residents as an option to driving.
Policy 2.2.3. Minimize the use of single-occupant vehicles associated with special events or in areas and times of high levels of pedestrian activities.	**Not Applicable.** The Project would not include facilities for special events.
Policy 3.2.1. Manage traffic congestion during peak hours.	**Consistent.** The Project is a low traffic generator because of the nature of residential uses, which generate peak hour vehicle trips that are lower than commercial, retail, and restaurant uses. Further, the Project would also minimize traffic congestion based on its location near transit opportunities, which would encourage the use of alternative modes of transportation. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.
Policy 4.1.1. Coordinate with all appropriate regional agencies on the implementation of strategies for the integration of land use, transportation, and air quality policies.	**Consistent.** The Project is being entitled through the City of Los Angeles, which coordinates with SCAG, Metro, and other regional agencies on the coordination of land use, air quality, and transportation policies.
Policy 4.1.2. Ensure that project level review and approval of land use development remains at the local level.	**Consistent.** The Project would be entitled and environmentally cleared at the local level. The Project would not inhibit the implementation of this policy.
Policy 4.2.1. Revise the City's General Plan/Community Plans to achieve a more compact, efficient urban form and to promote more transit-oriented development and mixed-use development.	**Not Applicable.** This policy calls for City updates to its General Plan. The Project would not inhibit the implementation of this policy.

Table 5.3-1
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
Policy 4.2.2. Improve accessibility for the City's residents to places of employment, shopping centers and other establishments.	**Consistent.** The Project would be infill development that would provide the City's residents with proximate access to jobs and services at this Project Site.
Policy 4.2.3. Ensure that new development is compatible with pedestrians, bicycles, transit, and alternative fuel vehicles.	**Consistent.** The Project would promote public transit, active transportation, and alternative fuel vehicles for residents, workers, and visitors, who can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand. The Project would also include 27 electric vehicle charging stations and 66 more spaces with conduits and supplies for future charging stations.
Policy 4.2.4. Require that air quality impacts be a consideration in the review and approval of all discretionary projects.	**Consistent.** The Project's air quality impacts are analyzed in this document, and as discussed herein, all impacts with respect to air quality would be less than significant.
Policy 4.2.5. Emphasize trip reduction, alternative transit and congestion management measures for discretionary projects.	**Consistent.** The proposed project would support use of alternative transportation modes. The Project Site is well-served by public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.
Policy 4.3.1. Revise the City's General Plan/Community Plans to ensure that new or relocated sensitive receptors are located to minimize significant health risks posed by air pollution sources.	**Not Applicable.** This policy calls for City updates to its General Plan. The Project would not inhibit the implementation of this policy.
Policy 4.3.2. Revise the City's General Plan/Community Plans to ensure that new or relocated major air pollution sources are	**Not Applicable.** This policy calls for City updates to its General Plan. The Project would not inhibit the implementation of this policy.

Table 5.3-1
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
located to minimize significant health risks to sensitive receptors.	
Policy 5.1.1. Make improvements in Harbor and airport operations and facilities in order to reduce air emissions.	**Not Applicable.** This policy calls for cleaner operations of the City's water port and airport facilities. The Project would not inhibit the implementation of this policy.
Policy 5.1.2. Effect a reduction in energy consumption and shift to non-polluting sources of energy in its buildings and operations.	**Not Applicable.** This policy calls for cleaner operations of the City's buildings and operations. The Project would not inhibit the implementation of this policy.
Policy 5.1.3. Have the Department of Water and Power make improvements at its in-basin power plants in order to reduce air emissions.	**Not Applicable.** This policy calls for cleaner operations of the City's Water and Power energy plants. The Project would not inhibit the implementation of this policy.
Policy 5.1.4. Reduce energy consumption and associated air emissions by encouraging waste reduction and recycling.	**Consistent.** The Project would be consistent with this policy by complying with Title 24, CALGreen, and other requirements to reduce solid waste and energy consumption. This includes the City's March 2010 ordinance (Council File 09-3029) that requires all mixed construction and demolition waste be taken to City-certified waste processors.
Policy 5.2.1. Reduce emissions from its own vehicles by continuing scheduled maintenance, inspection and vehicle replacement programs; by adhering to the State of California's emissions testing and monitoring programs; by using alternative fuel vehicles wherever feasible, in accordance with regulatory agencies and City Council policies.	**Not Applicable.** This policy calls for the City to gradually reduce the fleet emissions inventory from its vehicles through use of alternative fuels, improved maintenance practices, and related operational improvements. The Project's support of electric vehicles will continue the State's conversion to zero emission fleets that do not required engine inspections
Policy 5.3.1. Support the development and use of equipment powered by electric or low-emitting fuels.	**Consistent.** The Project would be designed to meet the applicable requirements of the States Green Building Standards Code and the City of Los Angeles' Green Building Code, both of which promote a shift from natural gas use toward electrification of buildings. The Project would also include 27 electric vehicle charging stations and 66 more spaces with conduits and supplies for future charging stations.
Policy 6.1.1. Raise awareness through public-information and education programs of the actions that individuals can take to reduce air emissions.	**Not Applicable.** This policy calls for the City to promote clean air awareness through its public awareness programs. The Project would not inhibit the implementation of this policy.
Source: DKA Planning, 2023.	

As described in Part 3, Project Description, of this SCEA, the Project would add residential and commercial uses resulting in increases in population and employees. The Project's location within an existing urban area would reduce per capita vehicle miles traveled (VMT) and related vehicle emissions in comparison to a project located in a non-urban environment as discussed further under Checklist Section 17, Transportation, and in the Transportation Assessment included as

Appendix K-1 of this SCEA (which includes the VMT Calculator run for the Project).[17] High population density would result in employees potentially living closer to the Project Site, reducing travel distances and overall VMT. The Project's 327 residential units, including the 41 affordable units, would provide the opportunity for area workers to live within close proximity to their place of employment.

In addition, the Project includes 21 short and 183 long term bicycle parking spaces for the proposed uses, would be developed in an urban area within close proximity to residential uses, and would include on-site EV and EV-ready parking, thereby facilitating a reduction in VMT as discussed under Checklist Section 17 and the Transportation Assessment. The Project would also include primary entrances for pedestrians and bicyclists that would be safe and easily accessible. As part of the Project, bicycle racks (i.e., 21 short-term and 183 long-term) would be installed, thereby further promoting the use of an alternative mode of transportation.

As shown in **Table 5.3-2** (construction) and **Table 5.3-3** (operation) in the analysis below, Project implementation would not exceed California or federal ambient air quality standards or thresholds. As the Project would not increase the frequency or severity of an existing air quality violation or cause or contribute to new violations for air quality pollutants (including VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$), the Project would also not delay timely attainment of air quality standards or interim emission reductions specified in the 2022 AQMP. In addition, the Project would be consistent with the population and employment growth projections in the AQMP.

Based on the above, the Project would not conflict with or obstruct implementation of the SCAQMD's AQMP, and impacts would be less than significant.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less Than Significant Impact. As indicated above, the Project Site is located within the South Coast Air Basin, which is characterized by relatively poor air quality. State and federal air quality standards are often exceeded in many parts of the Basin, including the monitoring stations nearest to the Project Site, which exceed the most stringent ambient air quality standard for ozone and particulate matter. The Project would contribute to local and regional air pollutant emissions during construction (short-term) and Project occupancy (long-term). However, as demonstrated by the following analysis, construction and operation of the Project would result in less than significant impacts relative to the daily significance thresholds for criteria air pollutant emissions established within the SCAQMD CEQA Air Quality Handbook.[18]

Construction

Construction of the Project has the potential to create regional air quality impacts through the use of heavy-duty construction equipment and vehicle trips generated by construction workers traveling to and from the Project Site. In addition, fugitive dust emissions would result from site preparation, grading, and construction activities. Mobile source emissions, primarily particulate

17 Transportation Assessment, Fehr & Peers, October 2023.

18 SCAQMD, Air Quality Analysis Guidance Handbook, https://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook, accessed August 29, 2023.

matter and nitrogen oxides (NO_X), would result from the use of construction equipment such as loaders, graders, backhoes, and haul trucks. During the finishing phase, paving operations and the application of architectural coatings (e.g., paints) and other building materials would release volatile organic compounds (VOCs). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation and, for dust, the prevailing weather conditions.

Based on criteria set forth in the SCAQMD CEQA Air Quality Handbook, a project would have the potential to violate an air quality standard or contribute substantially to an existing violation and result in a significant impact with regard to construction emissions if regional emissions from both direct and indirect sources would exceed any of the following SCAQMD prescribed threshold levels: (1) 75 pounds a day for VOCs; (2) 100 pounds per day for NO_X; (3) 550 pounds per day for carbon monoxide (CO); (4) 150 pounds per day for sulfur oxides (SO_X); (5) 150 pounds per day for PM_{10}; and (6) 55 pounds per day for $PM_{2.5}$.[19]

Construction activities would include site preparation, grading, paving, building construction, and architectural coatings. Construction would occur over approximately 30-month period (e.g., approximately late December 2024 through end of June 2027). Construction would require approximately 40,000 cubic yards of total soil export. Details are provided in **Appendix B** of this SCEA.

Project Design Feature

The Project would implement the following project design feature to further minimize construction-related emissions:

PDF-AIR-1: Construction equipment operating at the Project Site shall be subject to the requirements listed below.

- Prior to the issuance of a grading or building permit for each phase, an inventory of off-road heavy-duty construction equipment for that phase of construction, equal to or greater than 50 horsepower that will be used an aggregate of 40 or more hours, shall be provided to the Department of Building and Safety and the Department of City Planning. The inventory shall include the horsepower rating, engine production year, and certification of the specified Tier standard. A copy of each unit's certified tier specification or model year specification and California Air Resources Board or South Coast Air Quality Management District operating permit (if applicable) shall be available upon request at the time of mobilization of each applicable unit of equipment.

- Off-road diesel-powered equipment within the construction inventory shall meet the Tier 4 final off-road emissions standards within the Los Angeles region. Such equipment shall be outfitted with Best Available Control Technology (BACT) devices including a California Air

19 SCAQMD, Air Quality Analysis Guidance Handbook, www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook, accessed August 29, 2023.

Resources Board certified Level 3 Diesel Particulate Filter or equivalent.

Regional Impacts

Regional construction-related emissions associated with heavy construction equipment were calculated using the SCAQMD recommended California Emissions Estimator Model (CalEEMod) Version 2022.1.1.17. Model results are provided in **Appendix B** of this SCEA. The analysis assumes that all construction activities would comply with SCAQMD Rule 403 regarding the control of fugitive dust. Note, however, that the CalEEMod results omit the implementation of **Project Design Feature PDF-AIR-1**, which would further reduce construction-period emissions, for purposes of conservative analysis.

A summary of unmitigated maximum daily regional emissions for Project construction is presented in **Table 5.3-2**, along with the regional significance thresholds for each air pollutant. As shown in **Table 5.3-2**, maximum unmitigated regional construction emissions would not exceed the SCAQMD regional significance thresholds for VOC, NOx, CO, SO_X, PM_{10}, or $PM_{2.5}$. As a result, regional construction emissions resulting from the Project would result in a less than significant impact, and no mitigation measures are required.

Localized Impacts

The localized effects from on-site daily emissions were evaluated at sensitive receptor locations potentially impacted by the Project according to SCAQMD's localized significance thresholds (LST) methodology, which uses on-site mass emissions rate lookup tables and Project-specific modeling, where appropriate.[20] SCAQMD provides LSTs applicable to the following criteria pollutants: NO_X, CO, PM_{10}, or $PM_{2.5}$. SCAQMD does not provide an LST for SO_2 since land use development projects typically result in negligible construction and long-term operation emissions of this pollutant. Since VOCs are not a criteria pollutant, there is no ambient standard or SCAQMD LST for VOCs. Due to the role VOCs play in O_3 formation, it is classified as a precursor pollutant, and only a regional emissions threshold has been established.

LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standards and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor. The mass rate lookup tables were developed for each source receptor area and can be used to determine whether or not a project may generate significant adverse localized air quality impacts. SCAQMD provides LST mass rate look-up tables for projects with active construction areas that are less than or equal to 5 acres (in increments of 1, 2, or 5 acres). The 2-acre LST rates are used here. While the Project Site is 2.459 acres, the use of an SCAQMD threshold for a smaller site ensures a more conservative threshold of significance that is more protective of public health.

Estimates of maximum construction-related localized (on-site) daily emissions for NO_X, CO, PM_{10}, or $PM_{2.5}$ are presented in **Table 5.3-2**. Based on the construction site acreage and distance to the closest off-site sensitive receptors, localized construction emissions thresholds were obtained

20 SCAQMD, LST Methodology Appendix C—Mass Rate LST Look-Up Table, October 2009.

from the LST lookup tables. Potential impacts were evaluated at the closest off-site sensitive receptor, which are the residences to the east of the Project Site on Everett Street. The closest receptor distance on the SCAQMD mass rate LST look-up tables is 25 meters.[21]

As presented in **Table 5.3-2**, construction-related daily maximum localized emissions would not exceed the SCAQMD daily significance thresholds for NO_X, CO, PM_{10}, or $PM_{2.5}$. Therefore, localized construction emissions resulting from the Project would result in less than significant short-term impacts, and no mitigation measures are required.

Table 5.3-2
Daily Construction Emissions

Construction Phase Year	Daily Emissions (Pounds Per Day)					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
2024	0.2	2.1	1.9	<0.1	0.7	0.2
2025	5.9	42.5	68.3	0.1	5.8	2.5
2026	5.5	40.9	66.5	0.1	5.6	2.3
2027	38.0	48.8	78.9	0.1	6.5	2.7
Maximum Regional Total	38.0	48.8	78.9	0.1	6.5	2.7
Regional Threshold	75	100	550	150	150	55
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Maximum Localized Total	36.7	45.8	57.6	0.1	1.6	1.5
Localized Threshold	N/A	108	1,048	N/A	8	5
Exceed Threshold?	**N/A**	**No**	**No**	**N/A**	**No**	**No**

The construction dates are used for the modeling of air quality emissions in the CalEEMod software. If construction activities commence later than what is assumed in the environmental analysis, the actual emissions would be lower than analyzed because of the increasing penetration of newer equipment with lower certified emission levels. Assumes implementation of SCAQMD Rule 403 (Fugitive Dust Emissions), but omits **PDF-AIR-1** for purposes of conservative analysis.
Source: DKA Planning, 2023 based on CalEEMod 2022.1.1.17 model runs. LST analyses based on two-acre site with 25-meter distances to receptors in Central LA source receptor area. Estimates reflect the peak summer or winter season, whichever is higher. Totals may not add up due to rounding. Modeling sheets included in the Technical Appendix.

Operation

SCAQMD has established separate significance thresholds to evaluate potential impacts due to the incremental increase in criteria air pollutants associated with long-term operations. Regional operational emissions for the Project were calculated using CalEEMod. Inputs into the CalEEMod model include Project-related vehicle trips, as well as land uses and square footage to determine energy, water usage, and waste generation. Mobile-source emissions were calculated within CalEEMod based on data from the trip generation and VMT analysis included in the Transportation Assessment, included as **Appendix K-1** of this SCEA. The VMT analysis is based on the LADOT VMT Calculator methodology and contains trip generation and daily VMT for the Project. In addition, the proposed land uses would result in an increase in emissions generated

21 SCAQMD LST thresholds are given at 25, 50, 100, 200 and 500-meter increments.

by energy sources (e.g., natural gas combustion) and area sources (e.g., landscape fuel combustion, consumer products, and architectural coatings.

Regional Impacts

The results of the modeled emissions calculations are provided in **Table 5.3-3**, and CalEEMod model output files are provided in **Appendix B** of this SCEA. As indicated therein, the Project would result in an increase in criteria pollutant (VOC, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$.) emissions which would fall below the SCAQMD daily significance thresholds for long-term regional emissions. Therefore, impacts associated with regional operational emissions would be less than significant, and no mitigation measures are required.

Localized Impacts

Operation of the Project would not introduce any major new sources of air pollution within the Project Site. Localized emissions estimates for criteria air pollutants from on-site sources are presented in **Table 5.3-3**. The SCAQMD LST mass rate look-up tables, which apply to projects that have active areas that are less than or equal to 5 acres in size, were used to evaluate potential localized impacts. As shown in **Table 5.3-3**, on-site localized operational emissions would not exceed any of the LSTs for NO_X, CO, PM_{10}, or $PM_{2.5}$.

Under existing conditions, CO levels in the Project area are substantially below the federal and state standards.[22] No exceedances of CO have been recorded at monitoring stations in the Basin for some time, and the Basin is currently designated as a CO attainment area for both the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS).

Air quality data from the SCAQMD Central LA monitoring station between years 2019–2021 indicate that the maximum CO levels in recent years are 2.0 ppm (1-hour average) and 1.6 ppm (8-hour average) compared to the thresholds of 20 ppm (1-hour average) and 9.0 ppm (8-hour average).[23]

Table 5.3-3
Daily Operations Emissions

Emissions Source	Daily Emissions (Pounds Per Day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area Sources	9.9	0.2	23.6	<0.1	<0.1	<0.1
Energy Sources	0.1	1.1	0.6	<0.1	0.1	0.1
Mobile Sources	5.7	3.8	43.7	0.1	9.7	2.5
Regional Total	15.7	5.1	67.8	0.1	9.8	2.6
Regional Significance Threshold	55	55	550	150	150	55
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Localized Total	9.9	1.3	24.2	<0.1	0.1	0.1
Localized Significance Threshold	N/A	108	1,048	N/A	2	2

22 SCAQMD, Historical Data by Year, www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year, accessed August 29, 2023.

23 SCAQMD, Historical Data by Year, www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year, accessed August 29, 2023.

Table 5.3-3
Daily Operations Emissions

Exceed Threshold?	**N/A**	**No**	**No**	**N/A**	**No**	**No**
LST analyses based on two-acre site with 25-meter distances to receptors in Central Los Angeles SRA Source: DKA Planning, 2023 based on CalEEMod 2022.1.1.17 model runs (included in the Technical Appendix). Totals reflect the summer season maximum and may not add up due to rounding.						

Localized areas where ambient concentrations exceed state and/or federal standards are termed CO hotspots. Emissions of CO are produced in greatest quantities from motor vehicle combustion and are usually concentrated at or near ground level because they do not readily disperse into the atmosphere, particularly under cool, stable (i.e., low or no wind) atmospheric conditions. The potential for the Project to cause or contribute to CO hotspots was evaluated by comparing Project-impacted intersections (both intersection geometry and traffic volumes) with prior studies conducted by SCAQMD in support of their AQMP. As discussed below, this comparison provides evidence that the Project would not cause or contribute to the formation of CO hotspots, that CO concentrations at Project-impacted intersections would remain well below the ambient air quality standards, and that no further CO analysis is warranted or required.

SCAQMD conducted CO modeling for the 2003 AQMP for the four worst-case intersections in the Basin. These included: (a) Wilshire Boulevard and Veteran Avenue; (b) Sunset Boulevard and Highland Avenue; (c) La Cienega Boulevard and Century Boulevard; (d) Long Beach Boulevard and Imperial Highway. In the 2003 AQMP, SCAQMD noted that the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County with an average daily traffic volume of about 100,000 vehicles per day.[24] This intersection is located near the on and offramps to Interstate 405 in West Los Angeles. The evidence provided in Table 4-10 in Appendix V of the 2003 AQMP shows that the peak modeled CO concentration due to vehicle emissions at these four intersections was 4.6 ppm (1-hour average) and 3.2 ppm (8-hour average) at Wilshire Boulevard and Veteran Avenue.[25] The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm, which indicates that the most stringent 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day.[26] The AQMP CO hotspots modeling also took into account worst-case meteorological conditions and background CO concentrations. Metro evaluated the level of service (LOS) in the vicinity of the Wilshire Boulevard and Veteran Avenue intersection and found it to be LOS E at peak morning traffic and LOS F at peak afternoon traffic.[27,28] As an initial screening step, if a project intersection does not exceed 400,000 vehicles per day, then the project does not need to prepare a detailed CO hot spot.

At buildout of the Project, the Project is projected to have a net increase of 1,850 daily trips as calculated by the City's VMT Calculator as discussed under Checklist Section 17, Transportation, and the Transportation Assessment, included in **Appendix K-1** of this SCEA. The addition of these trips to any of the nearest study intersections would not result in an average daily traffic

24 SCAQMD, 2003 Air Quality Management Plan, Appendix V: Modeling and Attainment Demonstrations, (2003) V-4-24,.
25 The 8-hour average is based on a 0.7 persistence factor, as recommended by SCAQMD.
26 Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).
27 The Metropolitan Transportation Authority measured traffic volumes and calculated the LOS for the intersection of Wilshire Blvd./Sepulveda Ave. which is a block west along Wilshire Blvd., still east of Interstate 405.
28 Metropolitan Transportation Authority. 2004. Congestion Management Program for Los Angeles County. Exhibit 2-6 and Appendix A.

volume anywhere near the volumes analyzed in the 2003 AQMP. Therefore, the Project does not trigger the need for CO hotspots modeling and would not cause any new or exacerbate any existing CO hotspots. As a result, impacts related to localized mobile-source CO emissions are considered less than significant.

Based on the above, the Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the region is non-attainment under an applicable federal or state ambient air quality standard. Thus, impacts would be less than significant, and no Project mitigation would be required.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Certain population groups are especially sensitive to air pollution and should be given special consideration when evaluating potential air quality impacts. These population groups include children, the elderly, persons with pre-existing respiratory or cardiovascular illness, and athletes or others who engage in frequent exercise. As defined in the SCAQMD CEQA Air Quality Handbook, a sensitive receptor to air quality is defined as any of the following land use categories: (1) long-term health care facilities; (2) rehabilitation centers; (3) convalescent centers; (4) retirement homes; (5) residences; (6) schools (i.e., elementary, middle school, high schools); (7) parks and playgrounds; (8) child care centers; and (9) athletic fields.

There are several sensitive receptors within 0.25 miles of the Project Site that could be exposed to air pollution from construction and operation of the Project, including, but are not limited to, the following representative sampling:

- Residences, Everett Street (west side); as close as five feet east of the Project Site.
- Residential structures[29], 1251-1255 Sunset Boulevard, five feet north of the Project Site.
- Residences, Everett Street (east side); 60 feet east of the Project Site.
- Residences, Sunset Boulevard (west side); as close as 100 feet west of the Project Site.
- Residences, 1190 Sunset Boulevard; 110 feet west of the Project Site.
- Residences, 1271 Sunset Boulevard; 200 feet north of the Project Site.
- Everett Park, 250 feet east of the Project Site.
- Preschool, 707 Kensington Road; about 500 feet west of the Project Site.

As discussed above, construction and operation of the Project would result in less than significant impacts relative to both regional and localized air pollution emissions. Therefore, the Project would not expose sensitive receptors to substantial pollutant concentrations. In addition, Project

[29] Note these structures are abandoned and have been since at least early 2021. However, for conservative analysis, this analysis assumes these could be sensitive receptors that could be re-occupied.

construction activities would comply with SCAQMD Rule 403 regarding the control of fugitive dust and other specified dust control measures. As such, impacts to off-site sensitive receptors would be less than significant, and no mitigation measures are required.

When considering potential air quality impacts under CEQA, consideration is given to the location of sensitive receptors within close proximity of land uses that emit toxic air contaminants (TACs). The California Air Resources Board (CARB) has published and adopted the Air Quality and Land Use Handbook: A Community Health Perspective (2005), which provides recommendations regarding the siting of new sensitive land uses near potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities). SCAQMD adopted similar recommendations in its Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning (2005). Together the CARB and SCAQMD guidelines recommend siting distances for both the development of sensitive land uses in proximity to TAC sources and the addition of new TAC sources in proximity to existing sensitive land uses.

The Project would not include any sources of TACs such as generators, boilers or any other combustion sources. As the Project would not contain substantial TAC sources and is consistent with the CARB and SCAQMD guidelines, the Project would not result in the exposure of off-site sensitive receptors to carcinogenic or toxic air contaminants that exceed the maximum incremental cancer risk of 10 in one million or an acute or chronic hazard index of 1.0, and potential TAC impacts would be less than significant.

The SCAQMD recommends Health Risk Assessments (HRAs) for substantial sources of diesel particulate matter such as warehouse distribution and cold storage facilities. No such facilities are located in proximity to the Project Site, and the Project does not propose any such uses. As such, a HRA was not required for the Project.

Based on the above, the Project would not expose sensitive receptors to substantial pollutant concentrations, and impacts would be less than significant.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. No objectionable odors are anticipated as a result of either construction or operation of the Project. Specifically, construction of the Project would involve the use of conventional building materials typical of construction projects of similar type and size. Any odors that may be generated during construction would be localized and temporary in nature and would not be sufficient to affect a substantial number of people.

With respect to Project operation, according to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The Project would not involve these types of uses as it would include residential, retail, and restaurant uses. On-site trash receptacles would be contained, located, and maintained in a manner that promotes odor control, and would not result in substantially adverse odor impacts.

Construction and operation of the Project would also comply with SCAQMD Rules 401, 402, and 403, regarding visible emissions violations. In particular, SCAQMD Rule 402 provides that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

Based on the above, construction and operation of the Project would not result in other emissions, such as those leading to odors, adversely affecting a substantial number of people, and impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. According to SCAQMD, individual projects that exceed SCAQMD's recommended daily thresholds for project-specific impacts would cause a cumulatively considerable increase in emissions for those pollutants for which the Air Basin is in non-attainment. As discussed above, the Project's construction-related and operational air quality emissions would be less than significant. Therefore, the Project's contribution to cumulative air quality impacts due to air emissions would not be cumulatively considerable and, therefore, would be less than significant.

Similar to the Project, the greatest potential for TAC emissions at each Related Project would generally involve diesel particulate emissions associated with heavy equipment operations during grading and excavation activities. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of TACs over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Construction activities are temporary and short-term events, thus construction activities at each Related Project would not result in a long-term substantial source of TAC emissions. Additionally, SCAQMD's CEQA Air Quality Handbook and SCAQMD's supplemental online guidance/information do not require an HRA for short-term construction emissions. It is, therefore, not required or meaningful to evaluate long-term cancer impacts from construction activities which occur over relatively short durations. As such, given the short-term nature of these activities, cumulative TAC emission impacts during construction would be less than significant.

With respect to TAC emissions, neither the Project nor any of Related Projects (which are largely residential, retail/commercial, and institutional), would represent a substantial source of TAC emissions, which are typically associated with large-scale industrial, manufacturing, and transportation hub facilities. However, the Project and Related Projects would be subject to SCAQMD permitting and best available control technology (BACT) requirements to limit pollutant emissions. The Project and Related Projects would be consistent with the recommended screening level siting distances for TAC sources, as set forth in CARB's Land Use Guidelines, and the Project and Related Projects would not result in a cumulative impact requiring further evaluation. However, the Related Projects could generate minimal TAC emissions related to the use of consumer products and landscape maintenance activities, among other things. Pursuant to AB 1807, which directs CARB to identify substances as TACs and adopt airborne toxic control

measures to control such substances, SCAQMD has adopted numerous rules (primarily in Regulation XIV) that specifically address TAC emissions. These SCAQMD rules have resulted in and will continue to result in substantial Basin-wide TAC emissions reductions. As such, cumulative TAC emissions during long-term operations would be less than significant. In addition, as discussed above, the Project would not result in any substantial sources of TACs that have been identified by the CARB's Land Use Guidelines and thus, would not contribute to a cumulative impact.

In conclusion, during construction and operation, the Project's regional, localized, and TAC emissions would not be cumulatively considerable, and cumulative impacts would be less than significant.

1.4 Biological Resources

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:					
a.	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b.	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
c.	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d.	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e.	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f.	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

This section is based on the following item, which is included as **Appendix C** to this SCEA:

C Protected Tree Report, JTL Consultants, August 31, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM BIO-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to threatened and endangered species, as

applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Require project design to avoid occupied habitat, potentially suitable habitat, and designated critical habitat, wherever practicable and feasible.

b) Where avoidance is determined to be infeasible, provide conservation measures to fulfill the requirements of the applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal ESA, Section 2081 of the California ESA to support issuance of an incidental take permit, and/or as identified in local or regional plans. Conservation strategies to protect the survival and recovery of federally and state-listed endangered and local special status species may include: i. Impact minimization strategies ii. Contribution of in-lieu fees for in-kind conservation and mitigation efforts iii. Use of in-kind mitigation bank credits iv. Funding of research and recovery efforts v. Habitat restoration vi. Establishment of conservation easements vii. Permanent dedication of in-kind habitat.

c) Design projects to avoid desert native plants protected under the California Desert Native Plants Act, salvage and relocate desert native plants, and/or pay in lieu fees to support off-site long-term conservation strategies.

d) Temporary access roads and staging areas will not be located within areas containing sensitive plants, wildlife species or native habitat wherever feasible, so as to avoid or minimize impacts to these species.

e) Develop and implement a Worker Environmental Awareness Program (environmental education) to inform project workers of their responsibilities to avoid and minimize impacts on sensitive biological resources.

f) Retain a qualified botanist to document the presence or absence of special status plants before project implementation.

g) Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

h) Appoint a qualified biologist to monitor implementation of mitigation measures.

i) Schedule construction activities to avoid sensitive times for biological resources (e.g. steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

j) Develop an invasive species control plan associated with project construction.

k) If construction occurs during breeding seasons in or adjacent to suitable habitat, include appropriate sound attenuation measures required for sensitive avian species and other best management practices appropriate for potential local sensitive wildlife.

l) Conduct pre-construction surveys to delineate occupied sensitive species' habitat to facilitate avoidance.

m) Where projects are determined to be within suitable habitat and may impact listed or sensitive species that have specific field survey protocols or guidelines outlined by the USFWS, CDFW, or other local agency, conduct preconstruction surveys that follow applicable protocols and guidelines and are conducted by qualified and/or certified personnel.

n) Project design should address the protection of habitat on both sides of a freeway to improve effectiveness of the crossings.

o) Project sponsors shall consider the impacts of nitrogen deposition on sensitive species

Applicability to the Project

As discussed below, the Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment, and therefore no known occupied habitat, potentially suitable habitat, or designated critical habitat exists on the Project Site or in the surrounding area.

There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard. The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[30]

The Project would result in the removal of existing trees from the Project Site as well as construction in close proximity to the existing street trees, where migratory birds and other species (e.g., bats) could potentially nest or roost. Accordingly, as discussed below in connection with **PMM BIO-4** and in conformance with the regulatory requirements of the Migratory Bird Treaty Act and California Fish and Game Code, the Project would implement Project-specific mitigation measure **MM-BIO-1** which would ensure that potential construction-related impacts on nesting birds would not occur. In addition, the Project would incorporate relevant measures from SCAG Mitigation Measure **PMM BIO-1** (specifically, **PMM BIO-1(g)** and **PMM BIO-1(i)**) that would be applicable to non-avian protected species (e.g., bats), and would ensure that potential impacts to such species would be reduced to less than significant levels. The remainder of the measures

30 Protected Tree Report, JTL Consultants, August 31, 2023.

included in **PMM BIO-1** are not applicable to the Project due to the lack of other potential habitat on or in the vicinity of the Project Site.

PMM BIO-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to riparian habitats and other sensitive natural communities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the USFWS and NMFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA.

b) Consult with the USFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA and any additional species afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-county area: Angeles, Cleveland, Los Padres, and San Bernardino.

c) Consult with the CDFW where such state-designated sensitive or riparian habitats provide potential or occupied habitat for state-listed rare, threatened, and endangered species afforded protection pursuant to the California ESA, or Fully Protected Species afforded protection pursuant to the State Fish and Game Code.

d) Consult with the CDFW pursuant to the provisions of Section 1600 of the State Fish and Game Code as they relate to Lakes and Streambeds.

e) Consult with the USFWS, USFS, CDFW, and counties and cities in the SCAG region, where state-designated sensitive or riparian habitats are occupied by birds afforded protection pursuant to the MBTA during the breeding season.

f) Consult with the CDFW for state-designated sensitive or riparian habitats where furbearing mammals, afforded protection pursuant to the provisions of the State Fish and Game Code for fur-beaming mammals, are actively using the areas in conjunction with breeding activities.

g) Require project design to avoid sensitive natural communities and riparian habitats, wherever practicable and feasible. Where practicable and feasible, require upland buffers that sufficiently minimize impacts to riparian corridors.

h) Where avoidance is determined to be infeasible, develop sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) to protect sensitive natural communities and riparian habitats and develop appropriate compensatory mitigation, where required.

i) Appoint a qualified wetland biologist to monitor construction activities that may occur in or adjacent to sensitive communities.

j) Appoint a qualified wetland biologist to monitor implementation of mitigation measures.

k) Schedule construction activities to avoid sensitive times for biological resources and to avoid the rainy season when erosion and sediment transport is increased.

l) When construction activities require stream crossings, schedule work during dry conditions and use rubber-wheeled vehicles, when feasible. Have a qualified wetland scientist determine if potential project impacts require a Notification of Lake or Streambed Alteration to CDFW during the planning phase of projects.

m) Consult with local agencies, jurisdictions, and landowners where such state-designated sensitive or riparian habitats are afforded protection pursuant an adopted regional conservation plan.

n) Install fencing and/or mark sensitive habitat to be avoided during construction activities.

o) Salvage and stockpile topsoil (the surface material from 6 to 12 inches deep) and perennial native plants, when recommended by the qualified wetland biologist, for use in restoring native vegetation to areas of temporary disturbance within the project area. Salvage of soils containing invasive species, seeds and/or rhizomes will be avoided as identified by the qualified wetland biologist.

p) Revegetate with appropriate native vegetation following the completion of construction activities, as identified by the qualified wetland biologist

q) Complete habitat enhancement (e.g., through removal of non-native invasive wetland species and replacement with more ecologically valuable native species).

r) Use Best Management Practices (BMPs) at construction sites to minimize erosion and sediment transport from the area. BMPs include encouraging growth of native vegetation in disturbed areas, using straw bales or other silt-catching devices, and using settling basins to minimize soil transport.

Applicability to the Project

As discussed below, no riparian or other sensitive natural community exists on the Project Site or in the surrounding area. Therefore, **PMM BIO-2** is not applicable to the Project.

PMM BIO-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wetlands, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency.

a) Require project design to avoid federally protected aquatic resources consistent with the provisions of Sections 404 and 401 of the CWA, wherever practicable and feasible.

b) Where the lead agency has identified that a project, or other regionally significant project, has the potential to impact other wetlands or waters, such as those considered Waters Of the State of California under the State Wetland Definition and Procedures for Dischargers of Dredged or Fill Material to Waters of the State, not protected under Section 404 or 401 of the CWA, seek comparable coverage for these wetlands and waters in consultation with the SWRCB, applicable RWQCB, and CDFW.

c) Where avoidance is determined to be infeasible, develop sufficient conservation measures to fulfill the requirements of the applicable authorization for impacts to federal and state protected aquatic resource to support issuance of a permit under Section 404 of the CWA as administered by the USACE. The use of an authorized Nationwide Permit or issuance of an individual permit requires the project applicant to demonstrate compliance with the USACE's Final Compensatory Mitigation Rule. The USACE reviews projects to ensure environmental impacts to aquatic resources are avoided or minimized as much as possible. Consistent with the administration's performance standard of "no net loss of wetlands" a USACE permit may require a project proponent to restore, establish, enhance or preserve other aquatic resources in order to replace those affected by the proposed project. This compensatory mitigation process seeks to replace the loss of existing aquatic resource functions and area. Project proponents required to complete mitigation are encouraged to use a watershed approach and watershed planning information. The new rule establishes performance standards, sets timeframes for decision making, and to the extent possible, establishes equivalent requirements and standards for the three sources of compensatory mitigation:

- Permittee-responsible mitigation

- Contribution of in-kind in-lieu fees
- Use of in-kind mitigation bank credits
- Where avoidance is determined to be infeasible and

d) Where avoidance is determined to be infeasible and proposed projects' impacts exceed an existing Nationwide Permit (NWP) and/or California SWRCB-certified NWP, or applicable County Special Area Management Plan (SAMP), the lead agency should provide USACE and SWRCB (where applicable) an alternative analysis consistent with the Least Environmentally Damaging Practicable Alternatives in this order of priorities:

- Avoidance
- Impact Minimization On-site alternatives
- On-site alternatives
- Off-site alternatives

e) Require review of construction drawings by a certified wetland delineator as part of each project-specific environmental analysis to determine whether aquatic resources will be affected and, if necessary, perform formal wetland delineation.

Applicability to the Project

As analyzed below, no water bodies or state and federally protected wetlands exist on the Project Site. Therefore, the measures included in **PMM BIO-3** are not applicable to the Project.

PMM BIO-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wildlife movement, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the USFS where impacts to migratory wildlife corridors may occur in an area afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-County area: Angeles, Cleveland, Los Padres, and San Bernardino.

b) Consult with counties, cities, and other local organizations when impacts may occur to open space areas that have been designated as important for wildlife movement related to local ordinances or conservation plans.

c) Prohibit construction activities within 500 feet of occupied breeding areas for wildlife afforded protection pursuant to Title 14 § 460 of the California Code of Regulations protecting fur-bearing mammals, during the breeding season.

d) Conduct a survey to identify active raptor and other migratory nongame bird nests by a qualified biologist at least two weeks before the start of construction at project sites from February 1 through August 31.

e) Prohibit construction activities with 300 feet of occupied nest of birds afforded protection pursuant to the Migratory Bird Treaty Act, during the breeding season.

f) Ensure that suitable nesting sites for migratory nongame native bird species protected under the Migratory Bird Treaty Act and/or trees with unoccupied raptor nests should only be removed prior to February 1, or following the nesting season.

g) When feasible and practicable, proposed projects will be designed to minimize impacts to wildlife movement and habitat connectivity and preserve existing and functional wildlife corridors.

h) Conduct site-specific analyses of opportunities to preserve or improve habitat linkages with areas on and off-site.

i) Long linear projects with the possibility of impacting wildlife movement should analyze habitat linkages/wildlife movement corridors on a broad scale to avoid critical narrow choke points that could reduce function of recognized movement corridor.

j) Require review of construction drawings and habitat connectivity mapping by a qualified biologist to determine the risk of habitat fragmentation.

k) Pursue mitigation banking to preserve habitat linkages and corridors (opportunities to purchase, maintain, and/or restore off-site habitat).

l) When practicable and feasible design projects to promote wildlife corridor redundancy by including multiple connections between habitat patches.

m) Evaluate the potential for installation of overpasses, underpasses, and culverts to create wildlife crossings in cases where a roadway or other transportation project may interrupt the flow of species through their habitat. Retrofitting of existing infrastructure in project areas should also be considered for wildlife crossings for purposes of mitigation.

n) Install wildlife fencing where appropriate to minimize the probability of wildlife injury due to direct interaction between wildlife and roads or construction.

o) Where avoidance is determined to be infeasible, design sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) and in accordance with the respective counties and cities general plans to establish plans to mitigate for the loss of fish and wildlife movement corridors and/or wildlife nursery sites. The consideration of conservation measures may include the following measures, in addition to the measures outlined in MM-BIO-1(b), where applicable:

- Wildlife movement buffer zones
- Corridor realignment
- Appropriately spaced breaks in center barriers
- Stream rerouting
- Culverts
- Creation of artificial movement corridors such as freeway under or overpasses
- Other comparable measures

p) Where the lead agency has identified that a RTP/SCS project, or other regionally significant project, has the potential to impact other open space or nursery site areas, seek comparable coverage for these areas in consultation with the USFWS, CDFW, NMFS, or other local jurisdictions.

q) Incorporate applicable and appropriate guidance (e.g. FHWA-HEP-16-059), as well as best management practices, to benefit pollinators with a focus on native plants.

r) Implement berms and sound/sight barriers at all wildlife crossings to encourage wildlife to utilize crossings. Sound and lighting should also be minimized in developed areas, particularly those that are adjacent to or go through natural habitats.

s) Reduce lighting impacts on sensitive species through implementation of mitigation measures such as, but not limited to:

- Use high pressure sodium and/or cut-off fixtures instead of typical mercury-vapor fixtures for outdoor lighting.

- Design exterior lighting to confine illumination to the project site
- Provide structural and/or vegetative screening from light-sensitive uses.
- Use non-reflective glass or glass treated with a non-reflective coating for all exterior windows and glass used on building surfaces.
- Architectural lighting shall be directed onto the building surfaces and have low reflectivity to minimize glare and limit light onto adjacent properties.

t) Reduce noise impacts to sensitive species through implementation of mitigation measures such as, but not limited to:

- Install temporary noise barriers during construction.
- Include permanent noise barriers and sound-attenuating features as part of the project design. Barriers could be in the form of outdoor barriers, sound walls, buildings, or earth berms to attenuate noise at adjacent sensitive uses.
- Ensure that construction equipment are properly maintained per manufacturers' specifications and fitted with the best available noise suppression devices (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds silencers, wraps). All intake and exhaust ports on power equipment shall be muffled or shielded.
- Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.
- Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust

should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.

- Using rubberized asphalt or "quiet pavement" to reduce road noise for new roadway segments, roadways in which widening or other modifications require re-pavement, or normal reconstruction of roadways where re-pavement is planned.

- Use equipment and trucks with the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds, wherever feasible) for project construction.

- Use techniques such as grade separation, buffer zones, landscaped berms, dense plantings, sound walls, reduced-noise paving materials, and traffic calming measures.

u) Require large buffers between sensitive uses and freeways.

v) Create corridor redundancy to help retain functional connectivity and resilience.

Applicability to the Project

As discussed above, consistent with **PMM BIO-4(e)** and **PMM BIO-4(f)** from the 2020–2045 RTP/SCS PEIR, the Project would implement the Project-specific mitigation measure **MM-BIO-1** to ensure that potential construction-related impacts on nesting birds would not occur, in compliance with the Migratory Bird Treaty Act and California Fish and Game Code. Due to the lack of habitat, habitat linkages, or wildlife corridors on or in the vicinity of the Project Site, the remainder of the measures identified under **PMM BIO-4** are not applicable to the Project.

PMM BIO-5: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce conflicts with local policies and ordinances protecting biological resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the appropriate local agency responsible for the administration of the policy or ordinance protecting biological resources.

b) Prioritize retention of trees on-site consistent with local regulations. Provide adequate protection during the construction period for any trees that are to remain standing, as recommended by an International Society of Arboriculture (ISA) certified arborist.

c) If specific project area trees are designated as “Protected Trees,” “Landmark Trees,” or “Heritage Trees,” obtain approval for encroachment or removals through the appropriate entity, and develop appropriate mitigation measures at that time, to ensure that the trees are replaced. Mitigation trees shall be locally collected native species, as directed by a qualified biologist.

d) Appoint an ISA certified arborist to monitor construction activities that may occur in areas with trees are designated as “Protected Trees,” “Landmark Trees,” or “Heritage Trees,” to facilitate avoidance of resources not permitted for impact. Before the start of any clearing, excavation, construction or other work on the site, securely fence off every protected tree deemed to be potentially endangered by said site work. Keep such fences in place for duration of all such work. Clearly mark all trees to be removed.

e) Establish a scheme for the removal and disposal of logs, brush, earth and other debris that will avoid injury to any protected tree. Where proposed development or other site work could encroach upon the protected perimeter of any protected tree, incorporate special measures to allow the roots to breathe and obtain water and nutrients. Minimize any excavation, cutting, filing, or compaction of the existing ground surface within the protected perimeter. Require that no change in existing ground level occur from the base of any protected tree at any time. Require that no burning or use of equipment with an open flame occur near or within the protected perimeter of any protected tree.

f) Require that no storage or dumping of oil, gas, chemicals, or other substances that may be harmful to trees occur from the base of any protected trees, or any other location on the site from which such substances might enter the protected perimeter. Require that no heavy construction equipment or construction materials be operated or stored within a distance from the base of any protected trees. Require that wires, ropes, or other devices not be attached to any protected tree, except as needed for support of the tree. Require that no sign, other than a tag showing the botanical classification, be attached to any protected tree.

g) Thoroughly spray the leaves of protected trees with water periodically during construction to prevent buildup of dust and other pollution that would inhibit leaf transpiration, as directed by the certified arborist.

h) If any damage to a protected tree should occur during or as a result of work on the site, the appropriate local agency will be immediately notified of such damage. If, such tree cannot be preserved in a healthy state, as determined by the certified arborist, require replacement of any tree removed with another tree or trees on the same site deemed adequate by the local agency to compensate for the loss of the tree that is removed. Remove all debris created as a result of any tree removal work from the property within two weeks of debris creation, and such debris shall be properly disposed of in accordance with all applicable laws, ordinances, and regulations. Design projects to avoid conflicts with local policies and ordinances protecting biological resources

i) Where avoidance is determined to be infeasible, sufficient conservation measures to fulfill the requirements of the applicable policy or ordinance shall be developed, such as to support issuance of a tree removal permit. The consideration of conservation measures may include:

- Avoidance strategies
- Contribution of in-lieu fees
- Planting of replacement trees
- Re-landscaping areas with native vegetation post-construction
- Other comparable measures developed in consultation with local agency and certified arborist.

Applicability to the Project

As analyzed below, the Project would not conflict with any local policies or ordinances protecting biological resources. Furthermore, while the existing street trees adjacent to the Site are not a protected tree or shrub species, **Project Design Feature PDF-BIO-1** has been incorporated to identify the specific protections for these trees that will be implemented during Project construction activities. Thus, **PMM BIO-5** is not applicable to the Project.

PMM BIO-6: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on HCPs and NCCPs, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the appropriate federal, state, and/or local agency responsible for the administration of HCPs or NCCPs.

b) Wherever practicable and feasible, the project shall be designed to avoid lands preserved under the conditions of an HCP or NCCP.

c) Where avoidance is determined to be infeasible, sufficient conservation measures to fulfill the requirements of the HCP and/or NCCP, which would include but not be limited to applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal Endangered Species Act or Section 2081 of the California ESA, shall be developed to support issuance of an incidental take permit or any other permissions required for development within the HCP/NCCP boundaries. The consideration of additional conservation measures would include the measures outlined in SMM-BIO-2, where applicable.

Applicability to the Project

No Habitat Conservation Plan, Natural Community Conservation Plan, or other approved habitat conservation plans apply to the Project Site. Thus, **PMM BIO-6** is not applicable to the Project.

Impact Analysis

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less Than Significant With Mitigation Incorporated. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[31] The tree-of heaven trees onsite are generally considered an invasive plant, rather than trees. These will be removed to accommodate the proposed buildings, and the Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[32]

There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard. The seven Mexican fan palms on the Sunset Boulevard sidewalk will be protected during the development project by installing tree protection fencing around the trees, and the Project arborist will be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures.[33] These protective measures are identified by **Project Design Feature PDF-BIO-1** which has been incorporated into the Project:

31 Protected Tree Report, JTL Consultants, August 31, 2023.

32 Plans, KTGY Architecture and Planning, February 6, 2024.

33 Protected Tree Report, JTL Consultants, August 31, 2023.

Project Design Feature

PDF-BIO-1: Street Tree Protection

The Project Applicant/contractor shall install tree protection fencing around the seven Mexican fan palms on Sunset Boulevard to be protected. The Project Arborist shall be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures. The fencing shall be maintained throughout the grading and construction phase, and shall not be removed until the completion and cessation of all construction activities.

Migratory Birds

Due to the urbanized and disturbed nature of the Project Site and the surrounding areas, and lack of large expanses of open space areas, species likely to occur on-site are limited to small terrestrial and avian species typically found in urbanized developed settings. However, birds protected by the Migratory Bird Treaty Act may nest within the trees that would be removed as part of the Project.

The Migratory Bird Treaty Act prohibits the take, possession, import, export, transport, sell, purchase, barter, or offer for sale, purchase, or barter, of any migratory bird, or the parts, nests, or eggs of such a bird except under the terms of a valid permit issued pursuant to federal regulations. Additionally, California Fish & Game Code Section 3503 states that "[i]t is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto."

Consistent with the relevant measures associated with the Migratory Bird Treaty Act identified under **PMM-BIO-4**, the Project would implement **Mitigation Measure MM-BIO-1** to ensure potential construction-related impacts on nesting birds would not occur:

Mitigation Measure

MM-BIO-1: The Project Applicant/contractor would conduct all demolition, construction, ground disturbance, and vegetation clearing activities, including removal of the existing trees, outside of the avian breeding and nesting season (February 1–August 31) to the extent feasible.

- If removal of the existing trees on and adjacent to the Project Site must occur during the nesting season, a qualified biologist is required to be present during the removal activities to ensure no active bird nests (those containing eggs or nestlings, or with juvenile birds still dependent on the nest) are impacted. The biologist must determine whether active nests are present within the trees before any actual removal activity takes place.

- If any active nests are present within the trees during demolition, construction, ground disturbance, and vegetation clearing activities, the

nests shall be avoided until determined by the biologist to no longer be active. The biologist shall determine appropriate avoidance buffers for any active nest based on species, nest location, and types of disturbance proposed in the vicinity of the nest.

Bats

In addition to species covered under the Migratory Bird Treaty Act and the California Fish and Game Code, construction activities, including ground disturbance, vegetation removal, and increased noise and light levels, could have direct and/or indirect impacts on small terrestrial and avian species typically found in developed settings, such as bats, which sometimes use trees and man-made structures for roosting. Bats are considered non-game mammals and are afforded protection by State law from take and/or harassment. Specifically, Title 14, Section 251.1 of the California Code of Regulations, prohibits harassment (defined in that section as an intentional act that disrupts an animal's normal behavior patterns, including breeding, feeding, or sheltering) of nongame mammals, and California Fish and Game Code Section 4150, prohibits "take" or possession of all nongame mammals or parts thereof.

Any activities resulting in bat mortality, such as the destruction of an occupied bat roost that results in the death of bats; or disturbance that causes the loss of a maternity colony of bats, which may also result in the death of young bats; or various modes of nonlethal pursuit or capture may be considered "take" as defined in Section 86 of the California Fish and Game Code. While none have been identified on the Project Site, it is possible that bats or bat roosts are present in on-site trees or in building cavities. Thus, construction activities could have a significant impact on bats, which are a protected species.

As discussed above, the 2020–2045 RTP/SCS PEIR MMRP contains mitigation measures that are to be implemented, as appropriate and feasible, if a lead agency determines that a project has the potential to result in significant environmental impacts pertaining to biological resources. These include **PMM BIO-1**, listed in detail above, which identifies measures to reduce substantial adverse effects related to threatened and endangered species and other special status species. As discussed above, **Mitigation Measure MM-BIO-1** will be implemented to address potential construction-related impacts to avian species in proximity to the Site. The Project would also incorporate the following mitigation measures from the 2020–2045 RTP/SCS PEIR MMRP to address potential impacts to non-avian protected species (e.g., bats):

RTP/SCS Mitigation Measures

PMM BIO-1(g): Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

PMM BIO-1(i): Schedule construction activities to avoid sensitive times for biological resources (e.g., steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

Implementation of **Mitigation Measure MM-BIO-1** as well as **PMM BIO-1(g)** and **PMM BIO-1(i)** from the 2020–2045 RTP/SCS PEIR MMRP outlined above, would ensure that the Project would not have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the CDFW or USFWS. Thus, impacts would be less than significant with incorporation of mitigation measures.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less Than Significant Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

The Project Site is surrounded by a mix of low to mid-rise commercial and residential uses. No riparian or other sensitive natural community exists on the Project Site or in the surrounding area.[34,35]

Furthermore, the Project Site and surroundings are not located in or adjacent to a Biological Resource Area or Significant Ecological Area as defined by the City or County.[36,37]

In addition, there are no other sensitive natural communities identified by the CDFW or the USFWS.[38,39,]

Therefore, the Project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service and impacts would be less than significant.

34 California Department of Fish and Wildlife, Biogeographic Information and Observation System (BIOS) 6 website: https://wildlife.ca.gov/Data/BIOS.gov/bios/, accessed August 30, 2023.

35 United States Fish and Wildlife Service, National Wetlands Inventory (NWI), www.fws.gov/wetlands/data/Mapper.html, accessed August 30, 2023.

36 City of Los Angeles, Department of City Planning, Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, January 19, 1995, p. 2-18-3, and Navigate LA, Significant Ecological Areas layer: http://navigatela.lacity.org/navigatela/, accessed August 30, 2023.

37 Los Angeles County, Los Angeles County General Plan, Figure 9.3 Significant Ecological Areas and Coastal Resource Areas Policy Map, October 6, 2015: https://planning.lacounty.gov/long-range-planning/general-plan/general-plan/, accessed August 30, 2023.

38 California Department of Fish and Wildlife, BIOS 6 website: https://wildlife.ca.gov/Data/BIOS.gov/bios/, accessed August 30, 2023.

39 California Department of Fish and Wildlife, CDFW Lands Viewer: website: https://wildlife.ca.gov/Lands/Viewer, accessed August 30, 2023.

c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less Than Significant Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

No water bodies or state and federally protected wetlands exist on the Project Site.,[40] The closest water feature is Echo Lake, which is classified as a Freshwater Pond and a small portion as Freshwater Emergent Wetland, approximately 3,000 feet west of the Site.[41]

As such, the Project would not have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means, and impacts would be less than significant.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less Than Significant Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

In addition, the areas surrounding the Project Site are fully developed and there are no large expanses of open space areas within and surrounding the Project Site that provide linkages to natural open spaces areas and that may serve as wildlife corridors.

Furthermore, the Project Site is not located in or adjacent to a Biological Resource Area or Significant Ecological Area as defined by the City or County. [42,43]

The Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[44] Existing trees on the Site will be removed to allow for construction of the Project. As discussed above, pursuant to **Mitigation Measure MM-BIO-1**, as outlined under Biological Resources, Threshold (a), tree removal activities associated with the Project would take place outside of the nesting season (February 1–August 31), to the extent feasible. Should vegetation removal activities occur during the nesting season, a qualified biologist would be present during the removal activities to ensure that no active nests would be impacted. If active

40 United States Environmental Protection Agency, NEPAssist, https://nepassisttool.epa.gov/nepassist/nepamap.aspx, accessed August 30, 2023.

41 U.S. Fish and Wildlife Service, NWI, www.fws.gov/wetlands/data/Mapper.html, accessed August 30, 2023.

42 City of Los Angeles, Department of City Planning, Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, January 19, 1995, p. 2-18-3.

43 Los Angeles County, Los Angeles County General Plan, Figure 9.3 Significant Ecological Areas and Coastal Resource Areas Policy Map, October 6, 2015: https://planning.lacounty.gov/long-range-planning/general-plan/general-plan/, accessed August 30, 2023.

44 Plans, KTGY Architecture and Planning, February 6, 2024.

nests are found, a buffer would be established until determined by the biologist to no longer be active. The size of the buffer area varies with species and local circumstances (e.g., presence of busy roads) and would be based on the professional judgment of the monitoring biologist.

Adherence to these requirements would ensure that the Project would not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites. Impacts would be less than significant.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands)?

Less Than Significant. The City of Los Angeles Protected Tree and Shrub Relocation and Replacement Ordinance (Ordinance No. 177,404, as amended by Ordinance No. 186,873, adopted February 4, 2021) (Protected Tree and Shrub Ordinance) regulates the relocation or removal of all Southern California native oak trees (excluding scrub oak), California black walnut trees, Western sycamore trees, California bay trees, Mexican elderberry shrubs, and toyon shrubs, of at least 4 inches in diameter at 4.5 feet above the ground level at the base of the tree or shrub.[45] The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[46] Therefore, there is nothing onsite that constitutes a protected tree or shrub per City of Los Angeles Protected Tree and Shrubs Ordinance No. 186,873.[47]

The Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[48] As this is greater than the 82 on-site trees (4 trees per unit) required by LAMC Section 12.21 G.2(a)(3), the Project will not be required to utilize the provisions of Ordinance No. 185,573 to pay an in-lieu fee instead of providing a compliant number of on-site trees.

There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard, which are not subject to the City's Protected Tree Ordinance but are subject to the City's street tree regulations, including the provisions of LAMC Section 62.169 that prohibit the removal, destruction, pruning, or injury to any street tree without first obtaining approval from the City's

45 Pursuant to the Ordinance No. 186,873 and as defined in LAMC Section 17.02, a protected tree or shrub includes any of the following Southern California indigenous tree species, which measure 4 inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the tree, or any of the following Southern California indigenous shrub species, which measure 4 inches or more in cumulative diameter, 4.5 feet above the ground level at the base of the shrub: Oak tree; Southern California Black Walnut tree; Western Sycamore tree; California Bay tree; Mexican Elderberry shrub; and Toyon shrub.

46 Protected Tree Report, JTL Consultants, August 31, 2023.

47 LAMC Section 46.01: "PROTECTED TREE OR SHRUB" means any of the following Southern California indigenous tree species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the tree, or any of the following Southern California indigenous shrub species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the shrub: Protected Trees: (a) Oak tree including Valley Oak (Quercus lobata) and California Live Oak (Quercus agrifolia), or any other tree of the oak genus indigenous to California but excluding the Scrub Oak (Quercus berberidifolia); (b) Southern California Black Walnut (Juglans californica); (c) Western Sycamore (Platanus racemosa);(d) California Bay (Umellularia californica). Protected Shrubs: (a) Mexican Elderberry (Sambucus mexicana); (b) Toyon (Heteromeles arbutifolia). This definition shall not include any tree or shrub grown or held for sale by a licensed nursery, or trees or shrubs planted or grown as a part of a planting program.

48 Plans, KTGY Architecture and Planning, February 6, 2024.

Urban Forestry Division and/or the Board of Public Works. As described above, to ensure that the existing street trees will be protected during Project construction activities, **PDF-BIO-1** has been incorporated into the Project.

Therefore, the Project would not conflict with any local policies or ordinances protecting biological resources, and impacts would be less than significant.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

As previously described, the Project Site does not support any known habitat or natural community.

There are no Habitat Conservation Plans near the Site.[49]

There are no California Natural Community Conservation Plans (CNCCP) in the area. The only CNCCP in LA County is in the City of Rancho Palos Verdes.[50]

Accordingly, no Habitat Conservation Plan, Natural Community Conservation Plan, or other approved habitat conservation plans apply to the Project Site.[51]

Therefore, the Project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, and no impact would occur.

Cumulative Impacts

Less Than Significant Impact. Cumulative impacts associated with biological resources are generally a consequence of aggregate past, present, and foreseeable impacts of the Project and other projects located within the vicinity of the Project Site. There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[52]

49 USFWS, Habitat Conservation Plans: https://ecos.fws.gov/ecp0/conservationPlan/region/summary?region=8&type=HCP, accessed August 30, 2023.

50 California Natural Community Conservation Plans, April 2019, https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=68626&inline, accessed August 30, 2023.

51 California Department of Fish and Wildlife, California Natural Community Conservation Plans, April 2019.

52 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

Neither the Project Site nor any of the Related Projects are located on designated open space, conservation land, wildlife habitat, or riparian or wetland areas, and therefore no cumulative impacts associated with these designated areas would occur.

As discussed above, the Project Site does not contain sensitive biological resources or habitat, including wetlands, and is not part of a wildlife corridor and would not contribute related cumulative impacts. In addition, the Project and the Related Projects would comply with applicable regulatory requirements and mitigation measures regarding biological resources and protected species, including the Migratory Bird Treaty Act, California Fish and Game Code, and the City's regulations regarding protected trees and the removal of street trees. As such, no significant cumulative impacts regarding biological resources would occur.

1.5 Cultural Resources

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	☐	☐	☒	☐
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	☐	☐	☒	☐
c. Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

This section is based on the following items, which are included as **Appendix D** to this SCEA:

D-1 Historical Resources Technical Report, GPA, June 2023

D-2 CHRIS Records Search, South Central Coastal Information Center, July 27, 2015

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM CULT-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to historical resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Pursuant to CEQA Guidelines Section 15064.5, conduct a record search during the project planning phase at the appropriate Information Center to determine whether the project area has been previously surveyed and whether historical resources were identified.

b) During the project planning phase, retain a qualified architectural historian, defined as an individual who meets the Secretary of the Interior's (SOI) Professional Qualification Standards (PQS) in Architectural History, to conduct historic architectural surveys if a built environment resource greater than 45 years in age may be affected by the project or if recommended by the Information Center.

c) Comply with Section 106 of the National Historic Preservation Act (NHPA) including, but not limited to, projects for which federal funding

or approval is required for the individual project. This law requires federal agencies to evaluate the impact of their actions on resources included in or eligible for listing in the National Register. Federal agencies must coordinate with the State Historic Preservation Officer in evaluating impacts and developing mitigation. These mitigation measures may include, but are not limited to the following:

- Employ design measures to avoid historical resources and undertake adaptive reuse where appropriate and feasible. If resources are to be preserved, as feasible, carry out the maintenance, repair, stabilization, rehabilitation, restoration, preservation, conservation or reconstruction in a manner consistent with the Secretary of the Interior's Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings. If resources would be impacted, impacts should be minimized to the extent feasible.

- Where feasible, noise buffers/walls and/or visual buffers/landscaping should be constructed to preserve the contextual setting of significant built resources.

d) If a project requires the relocation, rehabilitation, or alteration of an eligible historical resource, the Secretary of the Interior's Standards for the Treatment of Historic Properties should be used to the maximum extent possible to ensure the historical significance of the resource is not impaired. The application of the standards should be overseen by an architectural historian or historic architect meeting the SOI PQS. Prior to any construction activities that may affect the historical resource, a report, meeting industry standards, should identify and specify the treatment of character-defining features and construction activities and be provided to the Lead Agency for review and approval.

e) If a project would result in the demolition or significant alteration of a historical resource eligible for or listed in the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), or local register, recordation should take the form of Historic American Buildings Survey (HABS), Historic American Engineering Record (HAER), or Historic American Landscape Survey (HALS) documentation, and should be performed by an architectural historian or historian who meets the SOI PQS. Recordation should meet the SOI Standards and Guidelines for Architectural and Engineering, which defines the products acceptable for inclusion in the HABS/HAER/HALS collection at the Library of Congress. The specific scope and details of documentation should be developed at the project level in coordination with the Lead Agency.

f) During the project planning phase, obtain a qualified archaeologist, defined as one who meets the SOI PQS for archaeology, to conduct a record search at the appropriate Information Center of the California Historical Resources Information System (CHRIS) to determine whether the project area has been previously surveyed and whether resources were identified.

g) Contact the NAHC to request a Sacred Lands File search and a list of relevant Native American contacts who may have additional information.

h) During the project planning phase, obtain a qualified archaeologist or architectural historian (depending on applicability) to conduct archaeological and/or historic architectural surveys as recommended by the qualified professional, the Lead Agency, or the Information Center. In the event the qualified professional or Information Center will make a recommendation on whether a survey is warranted based on the sensitivity of the project area for archaeological resources. Survey shall be conducted where the records indicate that no previous survey has been conducted, or if survey has not been conducted within the past 10 years. If tribal resources are identified during tribal outreach, consultation, or the record search, a Native American representative traditionally affiliated with the project area, as identified by the NAHC, shall be given the opportunity to provide a representative or monitor to assist with archaeological surveys.

i) If potentially significant archaeological resources are identified through survey, and impacts to these resources cannot be avoided, a Phase II Testing and Evaluation investigation should be performed by a qualified archaeologist prior to any construction-related ground-disturbing activities to determine significance. If resources determined significant or unique through Phase II testing, and avoidance is not possible, appropriate resource-specific mitigation measures should be established by the lead agency, in consultation with consulting tribes, where appropriate, and undertaken by qualified personnel. These might include a Phase III data recovery program implemented by a qualified archaeologist and performed in accordance with the OHP's Archaeological Resource Management Reports (ARMR): Recommended Contents and Format and Guidelines for Archaeological Research Designs. Additional options can include 1) interpretative signage, or 2) educational outreach that helps inform the public of the past activities that occurred in this area. Should the project require extended Phase I testing, Phase II evaluation, or Phase III data recovery, a Native American representative traditionally affiliated with the project area, as indicated by the NAHC, shall be given the opportunity to provide a representative or monitor to assist with the archaeological assessments. The long-term disposition of

archaeological materials collected from a significant resource should be determined in consultation with the affiliated tribe(s), where relevant; this could include curation with a recognized scientific or educational repository, transfer to the tribe, or respectful reinternment in an area designated by the tribe.

j) In cases where the project area is developed and no natural ground surface is exposed, sensitivity for subsurface resources should be assessed based on review of literature, geology, site development history, and consultation with tribal parties. If this archaeological desktop assessment indicates that the project is located in an area sensitive for archaeological resources, as determined by the Lead Agency in consultation with a qualified archaeologist, the project should retain an archaeological monitor and, in the case of sensitivity for tribal resources, a tribal monitor, to observe ground disturbing operations, including but not limited to grading, excavation, trenching, or removal of existing features of the subject property. The archaeological monitor should be supervised by an archaeologist meeting the SOI PQS

k) Conduct construction activities and excavation to avoid cultural resources (if identified). If avoidance is not feasible, further work may be needed to determine the importance of a resource. Retain a qualified archaeologist, and/or as appropriate, a qualified architectural historian who should make recommendations regarding the work necessary to assess significance. If the cultural resource is determined to be significant under state or federal guidelines, impacts to the cultural resource will need to be mitigated.

l) Stop construction activities and excavation in the area where cultural resources are found until a qualified archaeologist can determine whether these resources are significant, and tribal consultation can be conducted, in the case of tribal resources. If the archaeologist determines that the discovery is significant, its long-term disposition should be determined in consultation with the affiliated tribe(s); this could include curation with a recognized scientific or educational repository, transfer to the tribe, or respectful reinternment in an area designated by the tribe.

Applicability to the Project

Consistent with **PMM CULT-1(a)**, a record search of the South Central Coastal Information Center (SCCIC) was conducted on July 27, 2015 to determine if the Project area has been previously surveyed and whether historical resources were identified. In addition, consistent with **PMM CULT-1(b)**, a Historical Resources Technical Report of the Project Site and surrounding properties was prepared by GPA in June 2023, which is included as **Appendix D** of this SCEA. As described below, the Historical Resources Technical Report concluded that no significant impacts to historic resources would occur as a result of the Project.

In addition, consistent with **Mitigation Measure PMM CULT-1(f)**, a CHRIS record search was conducted through the SCCIC, which identified no archaeological sites within the Project Site (refer to Response to Checklist Question 5.b, for a summary of records search findings). Since the Project would include excavation to previously undisturbed depths, there is potential for an archaeological site to be identified during construction activities associated with the Project. Therefore, the City's standard Condition of Approval would be implemented to address the inadvertent discovery of archaeological resources. This Condition of Approval is equal to or more effective than relevant measures included in **Mitigation Measure PMM CULT-1**. Thus, overall, the measures outlined in **Mitigation Measure PMM CULT-1** are not applicable to the Project.

PMM CULT-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to human remains, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) In the event of discovery or recognition of any human remains during construction or excavation activities associated with the project, in any location other than a dedicated cemetery, cease further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the coroner of the county in which the remains are discovered has been informed and has determined that no investigation of the cause of death is required.

b) If any discovered remains are of Native American origin, as determined by the county Coroner, an experienced osteologist, or another qualified professional:

- Contact the County Coroner to contact the NAHC to designate a Native American Most Likely Descendant (MLD). The MLD should make a recommendation to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods. This may include obtaining a qualified archaeologist or team of archaeologists to properly excavate the human remains. In some cases, it is necessary for the Lead Agency, qualified archaeologist, or developer to also reach out to the NAHC to coordinate and ensure notification in the event the Coroner is not available.

- If the NAHC is unable to identify a MLD, or the MLD fails to make a recommendation within 48 hours after being notified by the commission, or the landowner or his representative rejects the recommendation of the MLD and the mediation by the NAHC fails to provide measures acceptable to the landowner, obtain a culturally affiliated Native American monitor, and an archaeologist,

if recommended by the Native American monitor, and rebury the Native American human remains and any associated grave goods, with appropriate dignity, on the property and in a location that is not subject to further subsurface disturbance.

Applicability to the Project

Mitigation Measure PMM CULT-2 is not incorporated into the Project as the City's standard Condition of Approval regarding the inadvertent discovery of tribal cultural resources during construction would be applied, as outlined under Checklist Section 18, Tribal Cultural Resources, below. This Condition of Approval has been determined to be equal to or more effective than the measures included in **Mitigation Measure PMM CULT-2**. Thus, **Mitigation Measure PMM CULT-2** is not applicable to the Project.

Impact Analysis

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?

Less Than Significant Impact. Under CEQA, the evaluation of impacts to historic resources consists of a two-part inquiry: (1) a determination of whether the Project Site contains or is adjacent to a historically significant resource or resources and, if so, (2) a determination of whether the proposed project will result in a "substantial adverse change" in the significance of the resource or resources. A "substantial adverse change" in the significance of a historical resource is an alteration that materially impairs the physical characteristics that convey its historical significance and justify its eligibility.

On-Site Resources (Direct Impacts)

As discussed in Section 3, Project Description, of this SCEA, the Project Site is vacant and undeveloped.

A records search was conducted for the Project area by the South Central Coastal Information Center (SCCIC) at California State University, Fullerton to identify previously recorded prehistoric and historic resources in and around the Project Site (see **Appendix D-2** of this SCEA). The records search includes a review of all recorded archeological sites within a 0.5-mile radius of the Project Site as well as a review of cultural resource reports on file. The California Points of Historical Interest, California Historical Landmarks, California Register of Historical Resources, National Register of Historic Places, California State Historic Resources Inventory, and City of Los Angeles Historic-Cultural Monuments (HCM) listings were also reviewed for the Project Site. The records search indicates that there are no historic resources located on-site.

The threshold for determining significant impacts on historical resources in the State CEQA Guidelines is whether the proposed project would cause a substantial adverse change, which is defined as demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resources is materially impaired. As described in the Historical Resources Technical Report, included as **Appendix D-1** of this SCEA,

since there are no existing buildings on the Project Site, the Project would have no direct impacts on historical resources.

Therefore, potential direct impacts to historic resources as a result of development of the Project would be less than significant.

Off-Site Resources (Indirect Impacts)

There are five previously identified historical resources in the vicinity of the Project site:

- Angelino Heights Historic Preservation Overlay Zone (HPOZ), 275 feet west of the Site with frontage along Kensington Road[53]
- Restovich House (1001 Everett Street)[54], 160 feet northeast of the Site
- Metropolitan Water District Complex (1111 Sunset Boulevard), 200 feet south of the Site
- Sunset Streetcar Mixed-Use Historic District (1282-1298 Sunset Boulevard), 340 feet northwest of the Site
- Sunset-East Kensington Public Stairways (1302 Sunset Boulevard and 1270 Sunset Boulevard), 235 feet northwest of the Site

The indirect impacts from the Project were also analyzed. It was concluded that the Project would have no impact on the identified historical resources in the vicinity. The proposed new buildings would introduce a new visual element to the broader context of the identified historical resources; however, the Project would not alter any of the physical characteristics that convey their significance and justify their eligibility as historical resources defined by CEQA. The historical resources would not be materially impaired by the Project.

No other historic resources would be demolished, altered, rehabilitated, converted, or relocated by the Project. No other historic resource has the potential to be adversely affected by the new construction or by excavation and construction activity. Therefore, potential indirect impacts to historic resources as a result of development of the Project would be less than significant.

Based on the above, the Project would not result in a substantial adverse change to the immediate surroundings of nearby historic resources, to the degree that they would no longer be eligible for listing under national, state, or local landmark or historic district programs. As such, impacts would be less than significant, and no mitigation measures are required.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to State CEQA Guidelines §15064.5?

Less Than Significant Impact. CEQA Guidelines Section 15064.5(a)(3)(D) generally defines archaeological resources as any resource that "has yielded, or may be likely to yield, information important in prehistory or history." Archaeological resources are features, such as tools, utensils,

53 https://planning.lacity.org/preservation-design/overlays/angelino-heights

54 http://historicplacesla.org/reports/3a404d67-7135-4b3b-9035-473dc7162687

carvings, fabric, building foundations, etc., that document evidence of past human endeavors and that may be historically or culturally important to a significant earlier community.

The Project Site is located within an urbanized area of the City and has been subject to grading, excavation and fill activities, and development in the past. A records search prepared by the South Central Coastal Information Center, included as **Appendix D-2** of this SCEA, included a search of the Project Site and a 0.5-mile radius. The results of the records search identified no archaeological resources on the Project Site.

As previously described, the Project would involve excavation of the Project Site up to 62 feet below ground surface (bgs) for the proposed subterranean parking level, foundation elements, and grading of soils for the worse-case under the descending slope in the northeast corner of the Site.[55] Because the Project Site has undergone previous development, any new archaeological survey is unlikely to observe surface artifacts. Nevertheless, since the Project would include excavation to previously undisturbed depths, there is potential for an archaeological site to be identified during construction activities associated with the Project.

The City has established a standard condition of approval to address the inadvertent discovery of archaeological resources, as follows:

- Should archeological resources be inadvertently encountered during ground-disturbing activities, such activities shall be temporarily halted so the find can be evaluated by the project's qualified archaeologist. The archaeologist shall assess any discovered material(s) and prepare a survey, study or report evaluating the impact and recommending appropriate actions in accordance with the regulatory requirements set forth in Public Resources Code Section 21083.2. The applicant shall comply with the recommendations of the evaluating archaeologist, and a copy of the archaeological evaluation report shall be submitted to the Department of City Planning. Ground-disturbing activities may resume once the archaeologist's recommendations have been implemented to the satisfaction of the archaeologist.

Overall, with adherence to the City's Condition of Approval regarding archaeological resources, the Project would not cause a substantial adverse change in the significance of an archaeological resource pursuant to State CEQA Guidelines Section 15064.5. Impacts would be less than significant.

c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Less Than Significant Impact. As discussed above, the Project Site has been subject to previous grading and development. No known traditional burial sites have been identified on-site. In addition, if human remains were discovered during construction of the Project, work in the immediate vicinity would be halted, the County Coroner, construction manager, and other entities would be notified per California Health and Safety Code Section 7050.5, and disposition of the human remains and any associated grave goods would occur in accordance with Public Resources Code Section 5097.91 and 5097.98. In addition, as outlined under Checklist Section

55 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

18, Tribal Cultural Resources, if the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the Native American Heritage Commission (NAHC) within 24 hours (Section 7050.5(c)) and adhere to the City's standard mitigation measures, as outlined under Checklist Section 18, Tribal Cultural Resources.

With the implementation of regulatory requirements, potential impacts associated with the disturbance of human remains, including those interred outside of dedicated cemeteries, would be less than significant. Also refer to Checklist Section 18, Tribal Cultural Resources, below, regarding the Project's potential impacts to tribal cultural resources.

Cumulative Impacts

Less Than Significant Impact. With regard to historic resources, although impacts tend to be site-specific, cumulative impacts could occur if the Project and Related Projects affected local resources with the same level or type of designation or evaluation, affected other structures located within the same historic district, or involved resources that are significant within the same context as the Project.

There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[56]

Of the nine identified Related Projects, only Related Project Nos. 3, 6, 7, 8, and 9 are in proximity to the Site and/or could potentially share the same viewshed as the Project.

Related Project No. 3 (1013 Everett Street) is located directly adjacent to the north of Restovich House (1001 Everett Street). In connection with the City's CEQA review of this project, no potentially significant impacts to historic resources were identified.[57]

Related Project No. 6 (1274 Sunset Boulevard) is directly adjacent to the south of the Sunset Streetcar Mixed-Use Historic District and directly adjacent north of the Sunset-East Kensington Public Stairway at 1270 Sunset Boulevard. In connection with the City's CEQA review of this project, no potentially significant impacts to historic resources were identified.[58]

Related Project No. 7 (1275 Sunset Boulevard) is directly across Sunset Boulevard from the Sunset Streetcar Mixed-Use Historic District and Sunset-East Kensington Public Stairway. In connection with the City's CEQA review of this project, no potentially significant impacts to historic resources were identified.[59]

56 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

57 Case No. ENV-2016-1040-MND.

58 Case No. ENV-2018-279-CE.

59 Case No. ENV-2018-7667-CE.

Related Project No. 8 (1111 Sunset Boulevard) is located at the Metropolitan Water District Complex. In connection with the City's CEQA review of this project, no potentially significant impacts to historic resources were identified.[60]

Related Project No. 9 (1251 Sunset Boulevard) is directly adjacent to the southwest of Restovich House (1001 Everett Street) and southeast across Sunset Boulevard from the Sunset Streetcar Mixed-Use Historic District and Sunset-East Kensington Public Stairway. In connection with the City's CEQA review of this project, no potentially significant impacts to historic resources were identified.[61]

As discussed above, the Project would not result in any direct or indirect impacts to historical resources. Furthermore, none of the proximate Related Projects would result in any direct or indirect impacts to historical resources. Additionally, the Project Site is not located within the boundaries of a designated historic district, so there would be no potential to contribute to cumulative impacts on a historic district. Furthermore, the Project would not diminish the number or significant of historical resources of the same property types, as the Project Site does not contain any historical resources. Therefore, Project impacts to historic resources would not be cumulatively considerable, and cumulative impacts would be less than significant.

With regard to potential cumulative impacts related to archaeological resources and human remains, the Project and the Related Projects are located within an urbanized area that has been disturbed and developed over time. In the event that archaeological resources and/or human remains are uncovered, each Related Project would be required to comply with applicable regulatory requirements. In addition, as part of the environmental review processes for the Related Projects, it is expected that mitigation measures would be established or the City's standard Condition of Approval regarding inadvertent discovery of archaeological or tribal cultural resources would be applied, as necessary.

Overall, based on the above, cumulative impacts to historical resources, archaeological resources, and human remains would be less than significant and would not be cumulatively considerable.

60 Case No. ENV-2018-177-EIR.

61 Case No. ENV-2018-6635-CE.

1.6 Energy

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

This section is based on the following item, which is included as **Appendix E** to this SCEA:

E Energy Calculations, CAJA Environmental Services, October 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

The 2020–2045 RTP/SCS PEIR MMRP did not identify any mitigation measures specifically regarding Energy. However, **PMM GHG-1**, outlined in Section 8, Greenhouse Gas Emissions, below, identifies measures capable of avoiding or reducing the significant effects of increased residential energy consumption, which in turn results in reduced GHG emissions. The Project will implement various measures contained in **PMM GHG-1**, such as use of energy efficient materials, lighting, and heating and cooling systems, which would serve to reduce the Project's energy usage.

Specifically, as described in the impact analysis below, the Project would incorporate multiple green building and energy efficiency measures in compliance with CALGreen and the LA Green Building Code. In addition, the Project would provide electric vehicle charging stations and infrastructure as well as bicycle parking spaces in compliance with LAMC requirements.

Collectively, these regulatory compliance measures and project features are equal to or more effective than the relevant measures included under **PMM GHG-1** for reducing residential energy consumption (and associated GHG emissions). Since the Project would comply with existing energy efficiency standards and incorporate energy reduction practices, the Project would not result in a wasteful or inefficient use of energy. Thus, relative to energy, the measures included in **PMM GHG-1** are not incorporated into the Project.

Impact Analysis

a) Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less Than Significant Impact. With regard to Energy Threshold (a), this analysis relies upon Appendix F of the CEQA Guidelines as well as the *L.A. CEQA Thresholds Guide*. Appendix F of the CEQA Guidelines was prepared in response to the requirement in PRC Section 21100(b)(3), which states that an EIR shall include a detailed statement setting forth "[m]itigation measures proposed to minimize significant effects of the environment, including, but not limited to, measures to reduce the wasteful, inefficient, and unnecessary consumption of energy." In addition, with regard to potential impacts to energy, the *L.A. CEQA Thresholds Guide* states that a determination of significance shall be made on a case-by-case basis, considering the following factors:

- The extent to which the project would require new (off-site) energy supply facilities and distribution infrastructure; or capacity-enhancing alterations to existing facilities;
- Whether and when the needed infrastructure was anticipated by adopted plans; and
- The degree to which the project design and/or operations incorporate energy-conservation measures, particularly those that go beyond City requirements.

In accordance with Appendix F and the *L.A. CEQA Thresholds Guide*, the following criteria will be considered in determining whether this threshold of significance is met:

a) The project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, maintenance, and/or removal. If appropriate, the energy intensiveness of materials may be discussed;

b) The effects of the project on local and regional energy supplies and on requirements for additional capacity;

c) The effects of the project on peak and base period demands for electricity and other forms of energy;

d) The degree to which the project complies with existing energy standards;

e) The effects of the project on energy resources;

f) The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

g) The degree to which the project design and/or operations incorporate energy-conservation measures, particularly those that go beyond City requirements.

h) Whether the Project conflicts with adopted energy conservation plans.

The following analysis considers these eight criteria (a through h) in the analysis below.

a. *The project's energy requirements and its energy use efficiencies by amount and fuel type for each state of the project including construction, operation, maintenance, and/or removal. If appropriate, the energy intensiveness of materials may be discussed;*

The Project would consume energy during construction and operational activities. Sources of energy for these activities would include electricity usage, natural gas consumption, and transportation fuels such as diesel and gasoline. The analysis below includes the Project's energy requirements and energy use efficiencies by fuel type for each stage of the Project (construction, operations, and maintenance activities).

For purposes of this analysis, Project maintenance would include activities such as repair of structures, landscaping and architectural coatings. Energy usage related to Project maintenance activities are assumed to be included as part of Project operations.

Construction

During Project construction, energy would be consumed in the form of electricity associated with the conveyance of water used for dust control and, on a limited basis, powering lights, electronic equipment, or other construction activities necessitating electrical power. As discussed below, construction activities, including the construction of the new buildings, typically do not involve the consumption of natural gas. Project construction would also consume energy in the form of petroleum-based fuels associated with the use of offroad construction vehicles and equipment on the Project Site, construction worker travel to and from the Project Site, and delivery and haul truck trips (e.g., hauling of demolition material to off-site reuse and disposal facilities). As shown in **Table 5.6-1** and as discussed further below, Project construction would consume approximately a total of 137,982 gallons of diesel for on-road equipment, and approximately 106,193 gallons of diesel for off-road equipment.

Table 5.6-1
Summary of Energy Use During Construction[a]

Fuel Type	Quantity
Electricity	
Water Consumption (Dust Control)[b]	5,418 kWh
Construction Temporary Power (Lighting, power tools)	70,560 kWh
Total Electricity	**75,978 kWh**
Gasoline	
On-Road Construction Equipment	412,242 gallons
Off-Road Construction Equipment	0 gallons
Total Gasoline	**412,242 gallons**
Diesel	
On-Road Construction Equipment	137,982 gallons
Off-Road Construction Equipment	106,193 gallons
Total Diesel	**244,175 gallons**

kWh = kilowatt-hour
Note: Numbers may not add up exactly due to rounding.
[a] Detailed calculations are provided in **Appendix E** of this SCEA.
[b] Energy usage associated with supply and conveyance of water from the source.

Electricity

Electricity would be supplied to the Project Site by LADWP and would be obtained from both existing infrastructure serving the Project Site and gas and/or diesel-powered portable generators, as required. As shown in **Table 5.6-1**, approximately 75,987 kilowatt-hours (kWh) of electricity would be consumed during Project construction. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed, and would cease upon completion of construction. When not in use, electric equipment would be powered off so as to avoid unnecessary energy consumption. In addition, although Title 24 requirements typically apply to energy usage for buildings, long-term construction lighting (greater than 120 days) providing illumination for the Project Site and staging areas would also comply with applicable Title 24 requirements (includes limits on the wattage allowed per specific area), which would result in the conservation of energy. Therefore, the use of electricity during project construction would be minimal and would not be wasteful, inefficient, or unnecessary.

Natural Gas

Construction activities, including the construction of the new buildings, typically do not involve the consumption of natural gas. Accordingly, natural gas would not be supplied to support Project construction activities; thus, there would be no demand generated by construction.

Transportation Energy

The petroleum-based fuel use summary provided in **Table 5.6-1** represents the amount of transportation energy that could potentially be consumed during Project construction based on a conservative set of assumptions. As shown, on and off-road vehicles would consume an

estimated 412,242 gallons of gasoline and approximately 244,175 gallons of diesel fuel throughout the Project's construction. For comparison purposes, the fuel usage during Project construction would represent approximately 0.01 percent of the 2024 (construction start year) annual on-road gasoline-related energy consumption[62] and 0.04 percent of the 2024 (construction start year) annual diesel fuel-related energy consumption[63] in Los Angeles County.[64] Note that this represents a conservative approach as the construction would be multi-year.

Operation

During operation of the Project, energy would be consumed for multiple purposes, including, but not limited to HVAC; refrigeration; lighting; and the use of electronics, equipment, and machinery. Energy would also be consumed during Project operations related to water usage, solid waste disposal, and vehicle trips. The Project would increase electrification by installing space heating, water heating and residential appliances (cooking, clothes dryers) powered by electricity while restaurant cooking will be powered by natural gas. As shown in **Table 5.6-2**, the Project's demand for electricity would be approximately 1,941,475 kWh per year, the Project's demand for natural gas would be 853,649 cf per year, and the Project's demand for gasoline and diesel would be 166,997 and 29,720 gallons per year, respectively.

Table 5.6-2
Summary of Total Annual Energy Use During Operation [a]

Source	Project
Electricity	
Building	1,771,660 kWh
Water	169,815 kWh
Total Electricity	**1,941,475 kWh**
Natural Gas	**853,649 cf**
Mobile (Transportation)	
Gasoline	166,997 gallons
Diesel	29,720 gallons
Total Transportation Fuel	**196,717 gallons**

cf = cubic feet
kWh = Kilowatt-hour
EV = electric vehicle
[a] Detailed calculations are provided in **Appendix E** of this SCEA.

62 10,503,000 gallons of gasoline per day in Los Angeles County projected in 2024. Detailed calculations are provided in **Appendix E** of this SCEA. X 365 days = 3,833,595,000 gallons per year. 412,242 gallons Project construction / 3.833 billion gallons x 100% = 0.01%

63 1,684,000 gallons of diesel per day in Los Angeles County projected in 2024. Detailed calculations are provided in **Appendix E** of this SCEA. X 365 days = 614,660,000 gallons per year. 244,175 gallons Project construction / 614,660,000 on gallons x 100% = 0.04%

64 California Air Resources Board, EMFAC2021 Web Database, www.arb.ca.gov/emfac.

Electricity

As the Project would comply with Title 24 standards and applicable requirements of the City's Green Building Code, buildout of the Project would result in a projected net increase in the on-site demand for electricity totaling approximately 1,941,475 kWh per year (refer to **Table 5.6-2**). Based on LADWP's 2017 Resource Plan, LADWP forecasts that its total energy sales in the 2027–2028 fiscal year (the Project's buildout year) will be 24,078 gigawatt hour (GWh) of electricity.[65] As such, the Project-related net increase in annual electricity consumption would represent only approximately 0.008 percent of LADWP's projected sales in 2027–2028. In addition, LADWP is committed to ensuring the sustainability of its power supply, and is required to procure at least 33 percent of their energy portfolio from renewable sources by 2020 and at least 50 percent by 2030, which will ensure that projected supplies will be more than sufficient to meet demand.

Natural Gas

The Southern California Gas Company (SoCal Gas) provides natural gas service to the Project Site vicinity. With compliance of Title 24 standards and applicable requirements of the City's Green Building Code, buildout of the Project is anticipated to generate an increase in the on-site demand for natural gas totaling approximately 853,649 cubic feet (cf) per year, or approximately 2,339 cf per day. Based on the 2022 California Gas Report, the California Energy and Electric Utilities estimates natural gas capacity available within SoCal Gas's planning area will be approximately 2.23 billion cf per day in 2027.[66] The Project would be consistent with the forecasted 2027 consumption in SoCal Gas's planning area.[67]

Transportation Energy

During operation, Project-related traffic would result in the consumption of petroleum-based fuels related to vehicular travel to and from the Project Site. As shown in **Table 5.6-2**, the Project's net demand for gasoline and diesel would be approximately 166,997 and 29,720 gallons per year, respectively. The Project Site is located adjacent to a Job Center, and within a Transit Priority Area (TPA), High Quality Transit Area (HQTA) and a Neighborhood Mobility Area (NMA), as designated by SCAG, which indicates that the Project Site is an appropriate site for increased density and employment opportunities from a "smart growth" regional planning perspective.[68] Extensive public bus service is provided within the Project study area.

The existing transit services in the vicinity of the Project Site would provide Project employees, residents, and guests with various public transportation opportunities in lieu of driving.

65 LADWP, 2017 Final Power Strategic Long-Term Resource Plan.

66 California Gas and Electric Utilities, 2022 California Gas Report.

67 Consistent with Ordinance 187,714 the Project will include 853,649 cf/year of natural gas usage for restaurant cooking. The Project's natural gas consumption would account for approximately 0.0001 percent of the forecasted 2027 consumption in the SoCalGas planning area.

68 According to the 2020–2045 RTP/SCS an HQTA is a corridor-focused Priority Growth Area (PGA) within 0.5 mile of an existing or planned fixed guideway transit stop or a bus transit corridor where buses pick up passengers at a frequency of every 15 minutes (or less) during peak commuting hours; an NMA is a PGA with a high number of intersections, low observed travel speed, high mix of uses and high accessibility to "everyday" destinations where complete streets and sustainability policies support and encourage replacing or reducing single and multi-occupant automobile use.

Additionally, the Project would provide bicycle parking areas for Project residents and guests. The Project would also incorporate characteristics that would reduce trips and VMT as compared to standard ITE trip generation rates. These Project characteristics would result in a corresponding reduction in VMT and associated transportation energy consumption and reduce the potential for inefficient, wasteful, and unnecessary use of energy. These specific transportation demand management measures include reduced parking, pedestrian project enhancements, and bicycle parking. Furthermore, the Project would install EV-ready and EV-equipped parking spaces at the Project Site. As such, operational impacts to transportation energy would be less than significant.

b. The effects of the project on local and regional energy supplies and on requirements for additional capacity

Construction

As discussed above, electricity would be intermittently consumed during the conveyance of the water used to control fugitive dust, as well as to provide electricity for temporary lighting and other general construction activities. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. When not in use, electric equipment would be powered off so as to avoid unnecessary energy consumption. The estimated construction electricity usage represents far less than the estimated net annual operational demand which, as discussed below, would be within the supply and infrastructure service capabilities of LADWP. Furthermore, the electricity demand during construction would be somewhat offset with the removal of the existing on-site uses which currently generate a demand for electricity. Construction activities, including the construction of new buildings and facilities, typically do not involve the consumption of natural gas. Accordingly, natural gas would not be supplied to support Project construction activities. Thus, there would be no demand generated by construction. Transportation fuel usage during Project construction activities would represent approximately 0.01 percent of gasoline usage and approximately 0.04 percent of diesel usage within Los Angeles County, respectively.[69] As energy consumption during Project construction activities would be relatively negligible, the Project would not likely affect regional energy consumption during the construction period.

Operation

Based on LADWP's 2017 Power Strategic Long-Term Resources Plan, LADWP forecasts that its total energy sales in the 2026–2027 fiscal year (the Project's buildout year) will be 24,078 GWh of electricity.[70] As such, the Project-related net increase in annual electricity consumption of 4,049,481 kWh per year would represent approximately 0.02 percent of LADWP's projected sales in 2027. Furthermore, LADWP has confirmed that the Project's electricity demand can be served by the facilities in the Project area (Appendix I of the Strategic Long-Term Resources Plan).

Based on the 2022 California Gas Report, the California Energy and Electric Utilities estimates natural gas consumption within SoCal Gas's planning area will be approximately 2.23 billion cf

69 California Air Resources Board, EMFAC2021 Web Database, www.arb.ca.gov/emfac
70 LADWP, 2017 Final Power Strategic Long-Term Resource Plan.

per day in 2027.[71] The Project would be consistent with the forecasted 2027 consumption in SoCal Gas's planning area.

As energy consumption during Project operations would be relatively negligible and energy requirements are within LADWP's and SoCal Gas' service provision, Project operational impacts on energy usage would be less than significant.

c. The effects of the project on peak and base period demands for electricity and other forms of energy

As discussed above, electricity demand during construction and operation of the Project would have a negligible effect on the overall capacity of LADWP's power grid and base load conditions. In addition, LADWP's annual growth projection in peak demand of the electrical power grid of 0.3 percent would be sufficient to account for future electrical demand by the Project.[72] Therefore, Project electricity consumption during operational activities would have a negligible effect on load conditions of the power grid.

d. The degree to which the project complies with existing energy standards

Although Title 24 requirements typically apply to energy usage for buildings, long-term construction lighting (greater than 120 days) providing illumination for the Project Site and staging areas would also comply with applicable Title 24 requirements (includes limits on the wattage allowed per specific area). In addition, construction equipment would comply with energy efficiency requirements contained in the Federal Energy Independence and Security Act or previous Energy Policy Acts for electrical motors and equipment.[73] Electricity and Natural Gas usage during Project operations would comply with Title 24 standards and applicable CalGreen requirements and Los Angeles Green Building Code. Therefore, Project construction and operational activities would comply with existing energy standards with regards to electricity and natural gas usage.

With regard to transportation fuels, trucks and equipment used during proposed construction activities, the Project would comply with CARB's anti-idling regulations as well as the In-Use Off-Road Diesel-Fueled Fleets regulation. Although these regulations are intended to reduce criteria pollutant emissions, compliance with the anti-idling and emissions regulations would also result in efficient use of construction-related energy. During Project operations, vehicles travelling to and from the Project Site are assumed to comply with CAFE fuel economy standards, as required.

Based on the above, Project construction and operational activities would comply with existing energy standards with regards to electricity and natural gas usage, as well as transportation fuel consumption.

e. Effects of the Project on Energy Resources

LADWP's electricity generation is derived from a mix of non-renewable and renewable sources such as coal, natural gas, solar, geothermal wind and hydropower. The LADWP's most recently

71 California Gas and Electric Utilities, 2022 California Gas Report.
72 LADWP, 2018 Retail Electric Sales and Demand Forecast.
73 Energy Independence and Security Act of 2007, Public Law 110-140.

adopted 2017 Power Strategic Long-Term Resources Plan identifies adequate resources (natural gas, coal) to support future generation capacity.

Natural gas supplied to the Southern California is mainly sourced from out of state with a small portion originating in California. Sources of natural gas for the Southern California region are obtained from locations throughout the western United States as well as Canada.[74] According to the U.S. Energy Information Administration (EIA), the United States currently has over 86 years of natural gas reserves.[75] Compliance with energy standards is expected to result in more efficient use of natural gas (lower consumption) in future years. Therefore, Project construction and operation activities would have a negligible effect on natural gas supply.

Transportation fuels (gasoline and diesel) are produced from crude oil which is imported from various regions around the world. Based on current proven reserves, crude oil production would be sufficient to meet consumption through 2050.[76] The Project would also comply with CAFE fuel economy standards, which would result in more efficient use of transportation fuels (lower consumption). Therefore, Project construction and operation activities would have a negligible effect on the transportation fuel supply.

As discussed above, LADWP is required to procure at least 50 percent of their energy portfolio from renewable sources by 2030. The current sources of renewable energy procured by LADWP include wind, solar, and geothermal sources. These sources account for 35 percent of LADWP's overall energy mix in 2021, the most recent year for which data are available.[77] This represents the available off-site renewable sources of energy that would meet the Project's energy demand.

With regard to on-site renewable energy sources, the Project would include the provision of conduit that is appropriate for future photovoltaic and solar thermal collectors. However, due to the Project Site's location, other on-site renewable energy sources would not be feasible to install on-site as there are no local sources of energy from the following sources: biodiesel, biomass hydroelectric and small hydroelectric, digester gas, methane, fuel cells, landfill gas, municipal solid waste, ocean thermal, ocean wave, and tidal current technologies, or multi-fuel facilities using renewable fuels. Furthermore, wind-powered energy is not viable on the Project Site due to the lack of sufficient wind in the Los Angeles basin. Specifically, based on a map of California's wind resource potential, the Project Site is not identified as an area with wind resource potential.[78]

f. The project's projected transportation energy use requirements and its overall use of efficient transportation alternatives

As discussed above, the Project would include project features to reduce VMT during operational activities. The Project's high-density design and location in proximity to job centers and retail uses

74 California Gas and Electric Utilities, 2020 California Gas Report.

75 U.S. Energy Information Administration, Frequently Asked Questions, www.eia.gov/tools/faqs/faq.php?id=58&t=8, accessed August 30, 2023.

76 U.S. Energy Information Administration, Frequently Asked Questions, www.eia.gov/tools/faqs/faq.php?id=38&t=6, accessed August 30, 2023.

77 LADWP Annual Power Content Labels for 2021, https://www.ladwp.com/ladwp/faces/wcnav_externalId/a-p-pwr-cntnt-labl?_afrLoop=426169461995376&_afrWindowMode=0&_afrWindowId=null#%40%3F_afrWindowId%3Dnull%26_afrLoop%3D426169461995376%26_afrWindowMode%3D0%26_adf.ctrl-state%3Dq1qm2hwut_4, accessed August 30, 2023.

78 California Energy Commission, Systems Assessment & Facilities Siting Division Cartography Unit, California Wind Resource Potential Map,.

would allow for residents to live closer to services and shopping areas, reducing VMT. The Project design, which includes dedicated bicycle parking facilities and an improved streetscape with pedestrian amenities, also encourages non-automotive forms of transportation such as walking or biking to destinations. In addition, the Project would be located in close proximity to multiple existing and future transit stops. Therefore, the Project would encourage the use of efficient transportation alternatives.

g. The degree to which the project design and/or operations incorporate energy-conservation measures, particularly those that go beyond City requirements

The current City of LA Green Building Code requires compliance with CalGreen and California's Building Energy Efficiency Standards (Title 24). Therefore, the Project would incorporate measures that are above and beyond current State and City energy conservation requirements. This includes many of the measures outlined in SCAG's **PMM GHG-1**. While this mitigation measure serves to reduce the Project's GHG emissions, measures contained in **PMM GHG-1** such as use of energy efficient materials, lighting and heating and cooling systems, would also serve to reduce the Project's energy usage.

The City has also adopted several plans and regulations to promote the reduction, reuse, recycling, and conversion of solid waste going to disposal systems. These regulations include the City of Los Angeles Solid Waste Management Policy Plan, the RENEW LA Plan, and the Exclusive Franchise System Ordinance (Ordinance No. 182,986). These solid waste reduction programs and ordinances help to reduce the number of trips associated with hauling solid waste, thereby reducing the amount of petroleum-based fuel consumed. Furthermore, recycling efforts indirectly reduce the energy necessary to create new products made of raw material, which is an energy-intensive process. Thus, through compliance with the City's construction-related solid waste recycling programs, the Project would contribute to reduced fuel-related energy consumption.

With implementation of these features along with complying with state and local energy efficiency standards, the Project would meet and/or exceed all applicable energy conservation policies and regulations.

h. Whether the Project conflict with adopted energy conservation plans

As discussed under Checklist Section 8, Greenhouse Gas Emissions, the City has published its LA Green Plan/ClimateLA in 2007 as well as the Green New Deal in 2020, which outline goals and actions by the City to reduce GHG emissions. To facilitate implementation of the LA Green Plan/Climate LA, the City adopted the Green Building Code. The Project would comply with applicable regulatory requirements for the design of new buildings, including the provisions set forth in the 2022 CALGreen Code and California's Building Energy Efficiency Standards, which have been incorporated into the City's Green Building Code.

With regard to transportation uses, the Project design would reduce the VMT throughout the region and encourage use of alternative modes of transportation. The Project would be consistent with regional planning strategies that address energy conservation. As discussed above and under Item XI, Land Use and Planning, SCAG's 2020–2045 RTP/SCS focuses on creating livable communities with an emphasis on sustainability and integrated planning, and identifies mobility,

economy, and sustainability as the three principles most critical to the future of the region. As part of the approach, the 2020–2045 RTP/SCS focuses on reducing fossil fuel use by decreasing VMT, reducing building energy use, and increasing use of renewable sources.

The Project would be consistent with the energy efficiency policies emphasized in the 2020–2045 RTP/SCS. Most notably, the Project would be an infill mixed-use development developed within an HQTA, TPA, and NMA and adjacent to a Job Center. The Project would provide greater proximity to neighborhood services, jobs, and residences and would be well-served by existing public transportation, including Metro and LADOT bus lines. The introduction of new housing and job opportunities within an HQTA, as proposed by the Project, is consistent with numerous policies in the 2020–2045 RTP/SCS related to locating new housing and jobs near transit. The 2020–2045 RTP/SCS would result in an estimated 19 percent decrease in VMT by 2035. As discussed above, OPR recommended that achieving 15 percent lower per capita (residential or employee) VMT than existing development is both generally achievable and is supported by evidence that connects this level of reduction to the State's emissions goals (i.e., SB 375 goal).

Thus, consistent with the 2020–2045 RTP/SCS, the Project would result in an approximately 16.5-percent reduction in VMT from mobile sources in comparison to a Project without reduction measures (e.g., density and proximity to transit, TDM measures such as reduced parking supply in accordance with AB 2097, unbundled cost of parking from residential leases, promotions and larking program on transportation options, and bicycle parking per LAMC), and, consequently, the Project's petroleum-based fuel usage would be reduced.[79] In addition, the Project would comply with state energy efficiency requirements, and would use electricity from LADWP, which has a current renewable energy mix of 35 percent. All of these features would serve to reduce the consumption of electricity, natural gas, and transportation fuel. Based on the above, the Project would be consistent with adopted energy conservation plans.

Conclusion

As demonstrated in the analysis above, the Project's energy requirements would not significantly affect local and regional supplies or capacity. The Project's energy usage during base and peak periods would be consistent with electricity and natural gas future projections for the region. Electricity generation capacity and supplies of natural gas and transportation fuels would be sufficient to meet the needs of Project-related construction and operational activities. During construction the Project would comply with Title 24 energy efficiency standards where applicable resulting in efficient use of energy. During operations, the Project would comply with applicable energy efficiency requirements such as CalGreen, as well as include energy conservation measures beyond requirements.

Thus, overall, the Project would not result in potentially significant environmental impacts due to wasteful, inefficient, and unnecessary consumption of energy resources during construction or operation, and impacts would be less than significant.

79 The LADOT VMT Calculator incorporates the USEPA MXD model and accounts for project features such as increased density and proximity to transit, which would reduce VMT and associated fuel usage in comparison to free-standing sites. 13,934 VMT screening summary compared to 11,632 VMT analysis = 16.5% reduction. Transportation Assessment, Fehr & Peers, October 2023.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less Than Significant Impact. With regard to Energy Threshold (b) the Project was evaluated for consistency with adopted energy conservation plans and policies relevant to the Project. Such adopted energy conservation plans and policies include Title 24 energy efficiency requirements, CalGreen and City building codes. Also, as discussed under Checklist Section 8, Greenhouse Gas Emissions, of this SCEA, the Project would also be consistent with the SCAG RTP/SCS which includes goals to reduce VMT and corresponding decrease in fuel consumption.

The Project would be subject to the energy conservation requirements of the California Energy Code (Title 24 of the California Code of Regulations, Part 6) and the California Green Building Standards Code (24 CCR part 11). The California Energy Code provides energy conservation standards for all new and renovated commercial buildings constructed in California. The Code applies to the building envelope, space-conditioning systems, and water-heating and lighting systems of buildings and appliances. The Code provides guidance on construction techniques to maximize energy conservation. Minimum efficiency standards are given for a variety of building elements, including: appliances; water and space heating and cooling equipment; and insulation for doors, pipes, walls and ceilings. The Code also emphasizes saving energy at peak periods and seasons and improving the quality of installation of energy efficiency measures. In addition, the California Green Building Standards Code sets targets for: energy efficiency; water consumption; dual plumbing systems for potable and recyclable water; diversion of construction waste from landfills; and use of environmentally sensitive materials in construction and design, including eco-friendly flooring, carpeting, paint, coatings, thermal insulation, and acoustical wall and ceiling panels.

The City of Los Angeles adopted and released the City's first ever Sustainable City pLAn, which set short-term and long-term energy and conservation targets geared towards advancing the City's economy and equity. In 2019, the City of Los Angeles prepared the 2019 Green New Deal, which provided an expanded vision of the pLAn, focusing on securing clean air and water and a stable climate, improving community resilience, expanding access to healthy food and open space, and promoting environmental justice for all. Through the Green New Deal, the City would cut an additional 30 percent in GHG emissions above and beyond the 2015 pLAn to ensure that the City stays within its carbon budget between now (2022) and 2050.[80] A consistency analysis is provided under Checklist Section 8, Greenhouse Gas Emissions, which outlines specific policies of the Green New Deal that the Project would be consistent with. To summarize, the Project would be required to comply with the Title 24 standards for Energy Efficiency and Conservation that are in effect at the time of development. In addition, per compliance with the California Energy Code, the Project would allocate roof area for future solar panels.

Incorporation of these design features, combined with compliance with regulatory standards, would ensure that the Project would not conflict with energy and conservation measures provided by the state or City, and as such, impacts would be less than significant.

80 City of Los Angeles, L.A.'s Green New Deal Sustainable City pLAn 2019.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative impacts analysis regarding electricity is LADWP's service area and the geographic context for the cumulative impacts analysis regarding natural gas is the SoCal Gas service area. The City has determined to assess the Project's potential cumulative impacts in the context of County-wide consumption. Growth within these geographic areas is anticipated to increase the demand for energy, as well as the need for energy infrastructure, such as new or expanded energy facilities.

As described above, the Project would comply with existing energy standards, would be consistent with adopted energy conservation plans, and would not result in wasteful, inefficient, and unnecessary consumption of energy resources during construction or operation. Therefore, the Project's contribution to cumulative impacts related to energy consumption would not result in a cumulatively considerable effect related to the wasteful, inefficient, and unnecessary consumption of energy during construction or operation. As such, the Project's impacts would not be cumulatively considerable and cumulative energy impacts would be less than significant.

1.7 Geology and Soils

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☐	☒
iv. Landslides?	☐	☐	☐	☒
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 181B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

This section is based on the following items, which are included as **Appendix F** to this SCEA:

F-1 Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023

F-2 Soils Review Letter, Los Angeles Department of Building and Safety, October 17, 2023

F-3 Response Letter, Geotechnologies, December 6, 2023

F-4 Supplemental Geotechnical Engineering Investigation, Geotechnologies, December 7, 2023

F-5 Soils Review Letter, Los Angeles Department of Building and Safety, January 16, 2024

F-6 Response Letter, Geotechnologies, January 26, 2024

F-7 Soils Approval Letter, Los Angeles Department of Building and Safety, February 12, 2024

F-8 Paleontological Resources, Natural History Museum, October 22, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM GEO-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to historical resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consistent with the CBC and local regulatory agencies with oversight of development associated with the Plan, ensure that site-specific geotechnical investigations conducted by a qualified geotechnical expert are conducted to ascertain soil types prior to preparation of project designs. These investigations can and should identify areas of potential failure and recommend remedial geotechnical measures to eliminate any problems.

b) Consistent with the requirements of the State Water Resources Control Board (SWRCB) for projects over one acre in size, obtain coverage under the General Construction Activity Storm Water Permit (General Construction Permit) issued by the SWRCB and prepare a stormwater pollution prevention plan (SWPPP) and submit the plan for review and approval by the Regional Water Quality Control Board (RWQCB). At a minimum, the SWPPP should include a description of construction materials, practices, and equipment storage and maintenance; a list of pollutants likely to contact stormwater; site specific erosion and sedimentation control practices; a list of provisions to eliminate or reduce discharge of materials to stormwater; best management practices (BMPs); and an inspection and monitoring program.

c) Consistent with the requirements of the SWRCB and local regulatory agencies with oversight of development associated with the Plan, ensure that project designs provide adequate slope drainage and appropriate landscaping to minimize the occurrence of slope instability and erosion. Design features should include measures to reduce erosion caused by storm water. Road cuts should be designed to maximize the potential for revegetation.

d) Consistent with the CBC and local regulatory agencies with oversight of development associated with the Plan, ensure that, prior to preparing project designs, new and abandoned wells are identified within construction areas to ensure the stability of nearby soils.

Applicability to the Project

Consistent with **PMM GEO-1(a)**, a geotechnical investigation was prepared for the Project, which includes site-specific recommendations for the geologic and soil conditions of the Project Site. Furthermore, the Project would be required to comply with the existing seismic and grading design regulations required by the City of Los Angeles Building Code and would be required to provide a final design-level geotechnical report, subject to Los Angeles Department of Building and Safety (LADBS) review and approval, prior to the issuance of grading and building permits for the Project. In addition, the Project would be required to comply with existing City and state regulations regarding erosion control, drainage, and stormwater management.

Compliance with existing regulatory requirements would be equal to or more effective than the measures included in **PMM GEO-1** as the Project would be required to incorporate site-specific geotechnical recommendations for increasing safety and reducing geologic hazards, and the proposed Project building would be constructed in accordance with all City-required geotechnical requirements. In addition, as analyzed below, the Project would not result in potentially significant impacts regarding geology and soils issues that would require mitigation. As such, **PMM GEO-1** is not applicable to the Project.

PMM GEO-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to paleontological resources. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Ensure compliance with the Paleontological Resources Preservation Act, the Federal Land Policy and Management Act, the Antiquities Act, Section 5097.5 of the Public Resources Code (PRC), adopted county and city general plans, and other federal, state and local regulations, as applicable and feasible, by adhering to and incorporating the performance standards and practices from the 2010 Society for Vertebrate Paleontology (SVP) standard procedures for the assessment and mitigation of adverse impacts to paleontological resources.

b) Obtain review by a qualified paleontologist (e.g. who meets the SVP standards for a Principal Investigator or Project Paleontologist or the Bureau of Land Management (BLM) standards for a Principal Investigator), to determine if the project has the potential to require ground disturbance of parent material with potential to contain unique paleontological or resources, or to require the substantial alteration of a unique geologic feature. The assessment should include museum

records searches, a review of geologic mapping and the scientific literature, geotechnical studies (if available), and potentially a pedestrian survey, if units with paleontological potential are present at the surface.

c) Avoid exposure or displacement of parent material with potential to yield unique paleontological resources.

d) Where avoidance of parent material with the potential to yield unique paleontological resources is not feasible:

    1. All on-site construction personnel receive Worker Education and Awareness Program (WEAP) training prior to the commencement of excavation work to understand the regulatory framework that provides for protection of paleontological resources and become familiar with diagnostic characteristics of the materials with the potential to be encountered.

    2. A qualified paleontologist prepares a Paleontological Resource Management Plan (PRMP) to guide the salvage, documentation and repository of unique paleontological resources encountered during construction. The PRMP should adhere to and incorporate the performance standards and practices from the 2010 SVP Standard procedures for the assessment and mitigation of adverse impacts to paleontological resources. If unique paleontological resources are encountered during construction, use a qualified paleontologist to oversee the implementation of the PRMP.

    3. Monitor ground disturbing activities in parent material, with a moderate to high potential to yield unique paleontological resources using a qualified paleontological monitor meeting the standards of the SVP or the BLM to determine if unique paleontological resources are encountered during such activities, consistent with the specified or comparable protocols.

    4. Identify where ground disturbance is proposed in a geologic unit having the potential for containing fossils and specify the need for a paleontological monitor to be present during ground disturbance in these areas.

e) Avoid routes and project designs that would permanently alter unique geological features.

f) Salvage and document adversely affected resources sufficient to support ongoing scientific research and education.

g) Significant recovered fossils should be prepared to the point of curation, identified by qualified experts, listed in a database to facilitate analysis, and deposited in a designated paleontological curation facility.

h) Following the conclusion of the paleontological monitoring, the qualified paleontologist should prepare a report stating that the paleontological monitoring requirement has been fulfilled and summarize the results of any paleontological finds. The report should be submitted to the lead CEQA and the repository curating the collected artifacts, and should document the methods and results of all work completed under the PRMP, including treatment of paleontological materials, results of specimen processing, analysis, and research, and final curation arrangements.

Applicability to the Project

As analyzed below, no known paleontological resources have been identified at the Project Site. Notwithstanding, to avoid potential impacts due to the inadvertent discovery of paleontological resources during the Project's grading and excavation period, the Project would implement the City's standard Condition of Approval, which is equal to or more effective than the relevant measures included in **PMM GEO-2**. Thus, **PMM GEO-2** is not applicable to the Project.

Impact Analysis

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less Than Significant Impact. Fault rupture occurs when movement on a fault deep within the earth breaks through to the surface. Based on criteria established by the California Geological Survey, faults can be classified as active, potentially active, or inactive. Active faults are those having historically produced earthquakes or shown evidence of movement within the past 11,000 years (during the Holocene Epoch). Potentially active faults have demonstrated displacement within the last 1.6 million years (during the Pleistocene Epoch) while not displacing Holocene Strata. Inactive faults do not exhibit displacement younger than 1.6 million years before the present. In addition, there are buried thrust faults, which are faults with no surface exposure. Due to their buried nature, the existence of buried thrust faults is usually not known until they produce an earthquake.

The California Geological Survey establishes regulatory zones around active faults, called Alquist-Priolo Earthquake Fault Zones (previously called Special Study Zones). These zones, which extend from 200 to 500 feet on each side of the known fault, identify areas where a potential surface fault rupture could prove hazardous for buildings used for human occupancy. Development projects located within an Alquist-Priolo Earthquake Fault Zone are required to

prepare special geotechnical studies to characterize hazards from any potential surface ruptures. In addition, the City designates Preliminary Fault Rupture Study Areas along the sides of active and potentially active faults to establish areas of potential hazard due to fault rupture.[81]

Based on a review of the City's ZIMAS system, the Project Site is not within an Alquist-Priolo Earthquake Fault Zone or within a City-designated Preliminary Fault Rupture Study Area, and no known active faults underlie the Project Site.[82]

According to the California Department of Conservation, the Project Site is not located within an earthquake fault zone.[83]

The closest active fault to the Project Site is the Hollywood Fault, located approximately 3.5 miles northwest of the Project Site.[84]

Based on research of available literature and results of site reconnaissance, no known active or potentially active faults underlie the Project Site. In addition, the Project Site is not located within an Earthquake Fault Zone. Based on these considerations, the potential for surface rupture at the subject site is considered low.[85]

Furthermore, while the Project would involve excavation of up to 62 feet below grade surface (bgs) for the subterranean parking level for the worse-case under the descending slope in the northeast corner of the Site[86], the proposed development would not involve mining operations or deep excavation into the earth, which could create unstable seismic conditions or stresses in the Earth's crust. Nevertheless, the Project would comply with the existing seismic and grading design regulations required by the City of Los Angeles Building Code and would provide a final design-level geotechnical report, subject to LADBS review and approval, prior to the issuance of grading permits for the Project.

LADBS reviewed the Updated Geotechnical Engineering Investigation dated September 6, 2023, the Supplemental Geotechnical Engineering Investigation dated December 7, 2023, and the Response Letter dated January 26, 2024 and issued an approval letter, included as **Appendix F-7** of this SCEA.[87]

Compliance with existing City regulatory requirements would further ensure that the Project would not directly or indirectly cause or exacerbate potential substantial adverse effects, including the risk of loss, injury, or death related to rupture of a known earthquake fault. Impacts would be less than significant.

81 City of Los Angeles, Alquist-Priolo Earthquake Fault Zones, https://geohub.lacity.org/datasets/alquist-priolo-earthquake-fault-zones/explore?location=34.071617%2C-118.251232%2C14.00, accessed August 30, 2023.

82 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

83 California Department of Conservation: https://maps.conservation.ca.gov/cgs/EQZApp/, accessed August 30, 2023.

84 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

85 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

86 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

87 Soils Approval Letter, Los Angeles Department of Building and Safety, February 12, 2024.

ii. Strong seismic ground shaking?

Less Than Significant Impact. The Project Site is located in the seismically active Southern California region, which generally experiences moderate to strong ground shaking in the event of an earthquake on a local or regional fault. However, as noted above, no active faults are known to pass directly beneath the Project Site and therefore, the Project would not exacerbate existing environmental conditions such that people or structures would be exposed to strong seismic ground shaking.

In addition, the Project would not involve mining operations, deep excavation into the earth, or boring of large areas, which could create unstable seismic conditions such as strong seismic ground shaking. Therefore, development of the Project would not result in strong seismic ground shaking caused in whole or in part by the Project's exacerbation of the existing environmental conditions.

Additionally, state and local code requirements ensure that buildings are designed and constructed in a manner that, although the buildings may sustain damage during a major earthquake, would reduce the substantial risk that buildings would collapse. Specifically, the Project would comply with the Los Angeles Building Code, which incorporates current seismic design provisions of the California Building Code with City amendments. The California Building Code incorporates the latest seismic design standards for structural loads and materials, as well as provisions from the National Earthquake Hazards Reduction Program to mitigate losses from an earthquake and maximize earthquake safety.

LADBS is responsible for implementing the provisions of the Los Angeles Building Code, and the Project would be required to comply with the plan review and permitting requirements of LADBS, including the recommendations provided in a final, site-specific geotechnical report subject to review and approval by LADBS.

The geotechnical report would include the recommendations that would be enforced by the LADBS for the construction of the Project.

In addition, before permits can be issued for construction, the Project must demonstrate compliance with the applicable provisions of seismic safety plans and regulations, including, but not limited to, the Alquist-Priolo Earthquake Fault Zoning Act, Seismic Safety Act, Seismic Hazards Mapping Act, and the City's General Plan Safety Element.

Therefore, based on the above, through compliance with regulatory requirements, the Project would not directly or indirectly cause or exacerbate potential substantial adverse effects, including the risk of loss, injury, or death related to strong seismic ground shaking. Thus, impacts related to exposure to strong seismic ground shaking would be less than significant.

iii. Seismic-related ground failure, including liquefaction?

No Impact. Liquefaction occurs when loose, relatively cohesionless soils lose their strength due to excess water pressure that builds up during repeated movement from seismic activity. Liquefaction usually results in horizontal and vertical movements from lateral spreading of liquefied materials and post-earthquake settlement of liquefied materials. Factors that contribute

to the potential for liquefaction include a low relative density of granular materials, a shallow groundwater table, and a long duration and high acceleration of seismic shaking. The effects of liquefaction include the loss of the soil's ability to support footings and foundations which may cause buildings and foundations to buckle.

According to the California Department of Conservation's Seismic Hazard Zone Map for the Hollywood Quadrangle, the Project Site is not located within a liquefaction hazard zone.[88]

Based on a review of the City's ZIMAS system, the Project Site is not within a liquefaction zone.[89]

According to the California Department of Conservation, the Project Site is not located within a liquefaction zone.[90]

The City's Local Hazard Mitigation Plan also indicates that the Project Site is not located within a liquefaction zone.[91]

The site is not in a potentially "Liquefiable" area. This determination is based on groundwater depth records, soil type, and distance to a fault capable of producing a substantial earthquake. The proposed structure will be supported in the siltstone bedrock of the Puente Formation. This rock will not liquefy due to its moderately hard consistency and it's long tectonic history.[92]

Based on the above, the Project would not directly or indirectly cause or exacerbate potential substantial adverse effects, including the risk of loss, injury, or death related to seismic-related ground failure, including liquefaction. Therefore, no impact would occur.

iv. Landslides?

No Impact. Landslides generally occur in loosely consolidated, wet soil and/or rocks on steep sloping terrain. The Project Site is located within an urban area. The Project Site is not located in a landslide area as mapped by the State of California.[93] Furthermore, the Project Site is not mapped as a landslide area by the City of Los Angeles.[94,95]

88 California Department of Conservation, California Geological Survey, State of California Seismic Hazards Zones Map, Hollywood 7.5 Minute Quadrangle.

89 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

90 California Department of Conservation: https://maps.conservation.ca.gov/cgs/EQZApp/, accessed August 30, 2023.

91 City of Los Angeles 2018 Local Hazard Mitigation Plan, January 2018, Figure 9-16, East Los Angeles APC Liquefaction Zones, p. 9-23: https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-10/2018_LA_HMP_Final_with_maps_2018-02-09.pdf, accessed August 30, 2023.

92 Page 14, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

93 California Geological Survey, Earthquake Zones of Required Investigation, https://maps.conservation.ca.gov/cgs/EQZApp/app/, accessed August 30, 2023.

94 City of Los Angeles 2018 Local Hazard Mitigation Plan, January 2018, Figure 11-7, Landslide Hazard Areas in the East Los Angeles APC, p. 11-8: https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-10/2018_LA_HMP_Final_with_maps_2018-02-09.pdf, accessed August 30, 2023.

95 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

There are no known landslides near the Project Site, and the Project Site is not in the path of any known or potential landslides. The Project Site's existing topography would not be substantially altered by the Project and development of the Project would not cause landslides.

The bedding orientation on the west-facing slope is neutral to favorable with respect to the slope face with respect to slope stability. Therefore, the potential for landsliding is very low.[96] Moreover, a stability analysis prepared for the Project indicates that the Site's existing slope with proposed improvements has a factor of safety in excess of LADBS requirements.[97]

As such, the Project would not exacerbate existing conditions that would directly or indirectly cause substantial adverse effects, including the risk of loss, injury, or death involving landslides, and no impact would occur.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The Project Site is vacant and undeveloped. As such, there are extensive open spaces with exposed topsoil. In addition, construction of the Project would require grading, excavation associated with the installation of building footings and subterranean parking, and other construction activities that have the potential to disturb soils underneath the Project Site and expose these soils to rainfall and wind, which can result in soil erosion.

However, this potential soil erosion would be reduced by the implementation of standard erosion controls during site preparation and grading activities. Specifically, all grading activities would require grading permits from the Los Angeles Department of Building and Safety, which would include requirements and standards designed to limit potential effects associated with erosion to acceptable levels.

In addition, on-site grading and site preparation would comply with all applicable provisions of Chapter IX, Article 1 of the LAMC, which addresses grading, excavation, and fills. The Project would also be required to comply with the City's Low Impact Development (LID) Ordinance and implement standard erosion controls to limit stormwater runoff, which can contribute to erosion. Regarding soil erosion during Project operations, the potential is negligible since the Project Site would mostly remain fully developed, except for some landscaping located throughout the Project Site. However, the landscaping would include trees to prevent soil erosion.

Therefore, with compliance with applicable regulatory requirements, the Project would not result in substantial soil erosion or the loss of topsoil during construction or operation. Impacts would be less than significant.

c) Would the project be located on a geologic unit that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

96 Page 15, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

97 Page 19, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

Less Than Significant Impact. As discussed above, the Project Site would not result in or exacerbate on or off-site landsliding or slope stability issues. Therefore, no impacts related to landslides would occur.

Topographic relief across the Site is as much as 95 feet. The Project design takes into account the slope topography of the Site. The building massing has been carefully stepped into the hillside and terraces back to the northeast corner of the Site.

As previously discussed, liquefaction-related effects include lateral spreading, which refers to landslides that commonly form on gentle slopes and that have rapid fluid-like flow movement. The Project Site is not susceptible to liquefaction and would not potentially result in or exacerbate lateral spreading. Therefore, impacts related to lateral spreading would be less than significant.

Subsidence generally occurs when a large portion of land is displaced vertically, usually due to the withdrawal of groundwater, oil, or natural gas. No large-scale extraction of groundwater, gas, oil or geothermal energy is occurring or planned at the Project Site or in the general vicinity of the Project Site. Therefore, there is minimal to no potential for ground subsidence due to withdrawal of fluid or gas at the Project Site. Thus, the potential for subsidence is considered low.

Collapsible soils consist of loose, dry, low-density materials that collapse and compact under the addition of water or excessive loading. Soil collapse occurs when the land surface is saturated at depths greater than those reached by typical rain events.

Due to the moderately hard consistency of the bedrock, the potential for lateral spreading is remote.[98]

Due to the moderately hard consistency of the bedrock, the potential for dynamic dry settlement is considered remote.[99]

Therefore, the Project Site is not located on a geologic unit or soil that is unstable or that would become unstable as a result of the Project and potentially result in collapse. Impacts associated with collapsible soils would be less than significant.

Overall, based on the above, impacts associated with liquefaction, landslides, lateral spreading, subsidence, and collapsible soils would be less than significant and no mitigation would be required

d) Would the project be located on expansive soil, as defined in Table 181B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less Than Significant Impact. Expansive soils are typically associated with fine-grained clayey soils that have the potential to shrink and swell with repeated cycles of wetting and drying. Due

98 Page 14, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

99 Page 14, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

to high clay content, expansive soils expand with the addition of water and shrink when dried, which can cause damage to overlying structures.

The onsite geologic materials are in the moderate to high expansion range. Reinforcing beyond the minimum required by the City of Los Angeles Department of Building and Safety is not required.[100]

Furthermore, construction of the Project would be required to comply with the current California Building Code and supplemental requirements of the LAMC, as enforced by the City of Los Angeles through the building permit process. These requirements would include building foundation and other requirements appropriate to site-specific conditions that would be provided in accordance with the design-level Geotechnical Investigation required by the City.

Therefore, the Project would not create substantial direct or indirect risks to life or property with regard to expansive soil, and impacts would be less than significant.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The Project Site is served by existing wastewater infrastructure, and the Project's wastewater demand would be accommodated by connections to the existing wastewater infrastructure. As such, the Project would not require the use of septic tanks or alternative wastewater disposal systems.

No impact related to the use of septic tanks or alternative wastewater disposal systems would occur.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less than Significant Impact.

Geologic Features

Topographic relief across the Site is as much as 95 feet. There are no other distinct and prominent geologic or topographic features (i.e., hilltops, ridges, canyons, ravines, rock outcrops, water bodies, streambeds, or wetlands) on the Project Site. The Project design takes into account the slope topography of the Site. The building massing has been carefully stepped into the hillside and terraces back to the northeast corner of the Site. Thus, the Project would not destroy any distinct and prominent geologic or topographic features and no impacts would occur.

Paleontological Resources

Paleontological resources are the fossilized remains of organisms that have lived in a region in the geologic past and whose remains are found in the accompanying geologic strata. This type of fossil record represents the primary source of information on ancient life forms, since the

[100] Page 25, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

majority of species that have existed on earth from this era are extinct. Public Resources Code Section 5097.5 specifies that any unauthorized removal of paleontological remains is a misdemeanor. Furthermore, California Penal Code Section 622.5 includes penalties for damage or removal of paleontological resources.

The Project Site is located within an urbanized area and has been subject to repeated grading and development in the past. Thus, surficial paleontological resources that may have existed at one time have likely been previously disturbed. A Project-specific paleontological records search for the Project Site was conducted by the Natural History Museum of Los Angeles County, October 22, 2023, which is included as **Appendix F-8** of this SCEA. As outlined therein, there are no previously encountered fossil vertebrate finds located within the Project Site. However, according to the records search, vertebrate fossil localities have been discovered nearby from the same sedimentary deposits that occur on the Project Site either at the surface or at depth.

As outlined in the paleontological records search, surface deposits and bedrock in the entire Project Site area consist of the Puente Formation which provided fossils at depths of 60 feet bgs and some at unknown depths.[101]

It is unlikely that very shallow excavations in the deposits underlaying the Project Site are to uncover significant vertebrate deposits. Nevertheless, as the Project would include excavations up to a maximum depth of up to 62 feet bgs, the possibility exists that paleontological artifacts that were not discovered during prior construction or other human activity may be present.

The City of Los Angeles has established a standard Condition of Approval to address inadvertent discovery of paleontological resources, as provided below:

- If a probable paleontological resource is uncovered at the Project site during ground disturbance activities or construction, all work shall cease within an appropriate radius of the find, as determined by a Qualified Paleontologist meeting the Society of Vertebrate Paleontology (SVP) standards for a Principal Investigator or Project Paleontologist, who shall be retained by the project applicant to evaluate the find in accordance with the SVP's Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. Temporary flagging shall be installed around the find in order to avoid any disturbance from construction equipment. Any paleontological resources that are uncovered shall not be moved or collected by anyone other than the Qualified Paleontologist or their designated representative (such as a Qualified Monitor) and shall be treated in accordance with the SVP's Standard Procedures. The Qualified Paleontologist shall prepare a report in accordance with current professional standards that describes the resource and its disposition, as well as the assessment methodology, for submittal to the City of Los Angeles Department of City Planning (DCP) and the Natural History Museum of Los Angeles County. If appropriate, the report should also contain the Qualified Paleontologist's recommendations for the preservation, conservation, and curation of the resource at a suitable repository, such as the Natural History Museum of Los

[101] Paleontological Resources, Natural History Museum, October 22, 2023.

Angeles County, with which the Applicant must comply.

Following the inadvertent discovery, the Qualified Paleontologist shall perform and/or oversee periodic monitoring of all ground disturbance activities within those areas of the project site identified as having a moderate to high potential for paleontological resources in order to identify any additional resources and avoid potential impacts to such resources. The area and frequency of inspections shall be determined by the Qualified Paleontologist, depending on the paleontological sensitivity of the sediments and/or rocks being excavated, the rate of excavation and grading activities, and, if found, the abundance and type of fossils encountered. Ground disturbance activities may resume in the area of the find once the Qualified Paleontologist's recommendations have been implemented to the satisfaction of the Qualified Paleontologist.

Overall, the Project would not directly or indirectly destroy a unique geologic feature and, with implementation of the City's standard Condition of Approval, would not directly or indirectly destroy a unique paleontological resource. Thus, impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. Due to the site-specific nature of geological conditions (i.e., soils, geological features, subsurface features, seismic features, etc.), impacts associated with geology and soils are generally evaluated within the context of each individual project rather than on a cumulative basis. Nonetheless, cumulative growth in the surrounding area (inclusive of the Project and the nine Related Projects) would expose a greater number of people to seismic hazards. However, as with the Project, Related Projects and other future development project would be required to comply with existing regulatory requirements and the City's grading permit review and approval process, as well as site-specific geotechnical evaluations that would identify potential effects related to the underlying geologic and soil conditions for a particular Related Project site.

In addition, in the event that paleontological resources are uncovered, each Related Project would be required to comply with the applicable regulatory requirements, and the City's standard Condition of Approval regarding inadvertent discovery of paleontological resources would apply.

Therefore, cumulative impacts related to geology and soils (including paleontological resources) would not be cumulatively considerable and cumulative impacts would be less than significant.

1.8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

This section is based on the following item, which is included as **Appendix G** to this SCEA:

G Greenhouse Gas Technical Report and Technical Appendix, DKA Planning, October 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM GHG-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to greenhouse gas emissions, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Integrate green building measures consistent with CALGreen (California Building Code Title 24), local building codes and other applicable laws, into project design including:

i. Use energy efficient materials in building design, construction, rehabilitation, and retrofit.

ii. Install energy-efficient lighting, heating, and cooling systems (cogeneration); water heaters; appliances; equipment; and control systems.

iii. Reduce lighting, heating, and cooling needs by taking advantage of light-colored roofs, trees for shade, and sunlight.

iv. Incorporate passive environmental control systems that account for the characteristics of the natural environment.

v. Use high-efficiency lighting and cooking devices.

vi. Incorporate passive solar design.

vii. Use high-reflectivity building materials and multiple glazing.

viii. Prohibit gas-powered landscape maintenance equipment.

ix. Install electric vehicle charging stations.

x. Reduce wood burning stoves or fireplaces.

xi. Provide bike lanes accessibility and parking at residential developments.

b) Reduce emissions resulting from projects through implementation of project features, project design, or other measures, such as those described in Appendix F of the State CEQA Guidelines.

c) Include off-site measures to mitigate a project's emissions.

d) Measures that consider incorporation of Best Available Control Technology (BACT) during design, construction and operation of projects to minimize GHG emissions, including but not limited to:

i. Use energy and fuel-efficient vehicles and equipment;

ii. Deployment of zero and/or near zero emission technologies;

iii. Use lighting systems that are energy efficient, such as LED technology;

iv. Use the minimum feasible amount of GHG-emitting construction materials;

v. Use cement blended with the maximum feasible amount of flash or other materials that reduce GHG emissions from cement production;

vi. Incorporate design measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling and reuse;

vii. Incorporate design measures to reduce energy consumption and increase use of renewable energy;

viii. Incorporate design measures to reduce water consumption;

ix. Use lighter-colored pavement where feasible;

x. Recycle construction debris to maximum extent feasible;

xi. Plant shade trees in or near construction projects where feasible; and

xii. Solicit bids that include concepts listed above.

e) Measures that encourage transit use, carpooling, bike-share and car-share programs, active transportation, and parking strategies, including, but not limited to the following:

i. Promote transit-active transportation coordinated strategies;

ii. Increase bicycle carrying capacity on transit and rail vehicles;

iii. Improve or increase access to transit;

iv. Increase access to common goods and services, such as groceries, schools, and day care;

v. Incorporate affordable housing into the project;

vi. Incorporate the neighborhood electric vehicle network;

vii. Orient the project toward transit, bicycle and pedestrian facilities;

viii. Improve pedestrian or bicycle networks, or transit service;

ix. Provide traffic calming measures;

x. Provide bicycle parking;

xi. Limit or eliminate park supply through;

xii. Elimination (or reduction) of minimum parking requirements

xiii. Creation of maximum parking requirements

xiv. Provision of shared parking.

xv. Unbundle parking costs;

xvi. Provide parking cash-out programs;

xvii. Implement or provide access to commute reduction program;

f) Incorporate bicycle and pedestrian facilities into project designs, maintaining these facilities, and providing amenities incentivizing their use; and planning for and building local bicycle projects that connect with the regional network;

g) Improving transit access to rail and bus routes by incentives for construction of transit facilities within developments, and/or providing dedicated shuttle service to transit stations; and

h) Adopting employer trip reduction measures to reduce employee trips such as vanpool and carpool programs, providing end-of-trip facilities, and telecommuting programs including but not limited to measures that:

   i. Provide car-sharing, bike sharing, and ride-sharing programs;

   ii. Provide transit passes;

   iii. Shift single occupancy vehicle trips to carpooling or vanpooling, for example providing ride-matching services;

   iv. Provide incentives or subsidies that increase that use of modes other than single-occupancy vehicle;

   v. Provide on-site amenities at places of work, such as priority parking for carpools and vanpools, secure bike parking, and showers and locker rooms;

   vi. Provide employee transportation coordinators at employment sites;

   vii. Provide a guaranteed ride home service to users of non-auto modes.

i) Designate a percentage of parking spaces for ride-sharing vehicles or high-occupancy vehicles, and provide adequate passenger loading and unloading for those vehicles;

j) Land use siting and design measures that reduce GHG emissions, including:

   i. Developing on infill and brownfields sites;

   ii. Building compact and mixed-use developments near transit;

   iii. Retaining on-site mature trees and vegetation, and planting new canopy trees;

   iv. Measures that increase vehicle efficiency, encourage use of zero and low emissions vehicles, or reduce the carbon content of fuels, including constructing or encouraging construction of electric vehicle charging stations or neighborhood electric vehicle networks, or charging for electric bicycles; and

   v. Measures to reduce GHG emissions from solid waste management through encouraging solid waste recycling and reuse.

k) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities. The measures provided above are also intended to be applied in low income and minority communities as applicable and feasible.

l) Require at least five percent of all vehicle parking spaces include electric vehicle charging stations, or at a minimum, require the appropriate infrastructure to facilitate sufficient electric charging for passenger vehicles and trucks to plug-in.

m) Encourage telecommuting and alternative work schedules, such as:

    i. Staggered starting times

    ii. Flexible schedules

    iii. Compressed work weeks

n) Implement commute trip reduction marketing, such as:

    i. New employee orientation of trip reduction and alternative mode options

    ii. Event promotions

    iii. Publications

o) Implement preferential parking permit program

p) Implement school pool and bus programs

q) Price workplace parking, such as:

    i. Explicitly charging for parking for its employees;

    ii. Implementing above market rate pricing;

    iii. Validating parking only for invited guests;

    iv. Not providing employee parking and transportation allowances; and

    v. Educating employees about available alternatives.

Applicability to the Project

As analyzed below, the Project has been designed and would be constructed to incorporate environmentally sustainable building features and construction protocols required by the Los Angeles Green Building Code and the California Green Building Standards Code (CALGreen)

that would be consistent with or as effective as the measures included in **PMM GHG-1**. Specifically,

- The Project would integrate green building measures consistent with CalGreen (California Building Code Title 24). Specifically, the Project would comply with Title 24 Standards which ensure that builders use the most energy efficient and energy conserving technologies and construction practices. As discussed above in Section 6, Energy, the Project would include all electric HVAC systems; and Energy Star–labeled all electric appliances in residential areas, or equivalent rating as may be applied at the time of construction.

- Furthermore, all exterior and interior lighting would meet high energy efficiency requirements utilizing light emitting diode (LED) or efficient fluorescent lighting technology. The Project would also set aside a minimum area for potential installation of solar panels on residential and non-residential buildings at a later date as required by Title 24.

- The Project would comply with the City's EV charging requirements, which exceed Title 24.

- Pursuant to the requirements of Senate Bill (SB) 1374, the Project would implement a construction waste management plan to recycle and/or salvage a minimum of 75 percent of non-hazardous demolition and construction debris. Furthermore, pursuant to LAMC Sections 66.32 through 66.32.5 (Ordinance No. 181,519), the Project's construction contractor would be required to deliver all remaining construction and demolition waste generated by the Project to a certified construction and demolition waste processing facility.

- The Project would be consistent with the applicable regulations associated with solid waste. Specifically, the Project would provide adequate storage areas in accordance with the City of Los Angeles Space Allocation Ordinance (Ordinance No. 171,687), which requires that development projects include an on-site recycling area or room of specified size.[102] The Project would also comply with AB 939, AB 341, AB 1826 and City waste diversion goals, as applicable, by providing clearly marked, source-sorted receptacles to facilitate recycling.

In addition, the Project would implement water conservation features required by the City's current codes and ordinances. The Project would also include TDM strategies including reduced parking supply, promotion and marketing program for transportation options, and the provision of bicycle parking.

The Project would adhere to existing regulatory requirements regarding GHG emissions and the above TDM strategies, which are consistent with or as effective as **PMM GHG-1** in reducing substantial adverse effects related to GHG emissions. As such, **PMM GHG-1** is not applicable to the Project.

Impact Analysis

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

102 Ordinance No. 171,687, adopted by the Los Angeles City Council on August 6, 1997.

Less Than Significant Impact.[103] The City has not adopted a numerical significance threshold for assessing impacts related to GHG emissions and has not formally adopted a local plan for reducing GHG emissions. Nor have SCAQMD, OPR, CARB, CAPCOA, or any other State or regional agency adopted a numerical significance threshold for assessing GHG emission that is applicable to the Project. Since there is no applicable adopted or accepted numerical threshold of significance for GHG emissions, the analysis focuses on the Project's consistency with statewide, regional and local plans adopted for the purpose of reducing and/or mitigating GHG emissions, as discussed under GHG Threshold (b). The evaluation of consistency with such plans is the sole basis for determining the significance of the Project's GHG emissions-related impacts on the environment.

Notwithstanding, for informational purposes, the analysis also calculates the amount of GHG emissions that would be attributable to the Project using recommended air quality models, as described below. The primary purpose of quantifying the Project's GHG emissions is to satisfy CEQA Guidelines Section 15064.4(a), which calls for a good-faith effort to describe and calculate emissions.[104]

The estimated emissions inventory is also used to determine if there would be a reduction in the Project's incremental contribution of GHG emissions as a result of compliance with regulations and requirements adopted to implement plans for the reduction or mitigation of GHG emissions. However, the significance of the Project's GHG emissions impacts is not based on the amount of GHG emissions resulting from the Project. A specific discussion regarding potential GHG emissions associated with the construction and operational phases of the Project is provided below.

The Project would generate direct and indirect GHG emissions because of different types of emissions sources, including the following:

- Construction: emissions associated with demolition of the existing motel uses and parking areas, shoring, excavation, grading, and construction-related equipment and vehicular activity;
- Area source: emissions associated with landscape equipment;
- Energy source (building operations): emissions associated with electricity and natural gas use for space heating and cooling, water heating, energy consumption, and lighting;
- Stationary source: emissions associated with stationary equipment (e.g., emergency generators);
- Mobile source: emissions associated with vehicles accessing the Project Site;

103 The Less Than Significant Impact determination is based on the analysis included under GHG Threshold (b).

104 Pursuant to California Public Resources Code Sections 21155.2(b)(1) and 21159.28(a), any Project-specific or cumulative GHG-related impacts associated with vehicular and/or truck trips are disclosed for informational (as opposed to impact evaluation) purposes. The SCEA statute specifies that these specific impacts do not need to be discussed or referenced in the SCEA prepared for the Project.

- Solid Waste: emissions associated with the decomposition of the waste, which generates methane based on the total amount of degradable organic carbon;
- Water/Wastewater: emissions associated with energy used to pump, convey, deliver, and treat water.
- Vegetation: emissions associated with sequestration from tree planting or removal; and
- Refrigerants: These are substances used in equipment for air conditioning and refrigeration. Most refrigerants are HFCs or blends of them, which can have high GWP values.

The Project would generate an incremental contribution to and a cumulative increase in GHG emissions. A specific discussion regarding potential GHG emissions associated with the construction and operational phases of the Project is provided below.

Construction

GHG emissions from construction activities were forecasted using construction schedule and phasing information provided by the Project applicant and applying published GHG emission factors. Construction emissions were calculated using the CalEEMod model. The output values used in this analysis were adjusted to be Project-specific, based on usage rates, type of fuel, and construction schedule. These values were then applied to the construction phasing assumptions used in the criteria pollutant analysis to generate GHG emissions values for each construction year (refer to **Appendix G** of this SCEA).

The Project includes the construction of a new mixed-use development totaling 321,300 square feet, including 327 residential apartment units (inclusive of 41 Very Low-Income Households) and 9.462 square feet of ground-floor commercial space.

Project construction is anticipated to be completed in 2027 with occupancy the same year. A summary of construction details (e.g., schedule, equipment mix, and vehicular trips) and CalEEMod modeling output files are provided in the Technical Appendix. The GHG emissions associated with construction of the Project were calculated for each year of construction activity.

As presented in **Table 5.8-1**, construction of the Project is estimated to generate a total of 3,465 metric tons of GHGs measured as an equivalent mass of carbon dioxide ($MTCO_2e$). As recommended by SCAQMD, the total GHG construction emissions were amortized over the 30-year lifetime of the Project (i.e., total construction GHG emissions were divided by 30 to determine an annual construction emission estimate that can be added to the Project's operational emissions) in order to determine the Project's annual GHG emissions inventory. [105] This results in annual Project construction emissions of 116 $MTCO_2e$.

[105] SCAQMD Governing Board Agenda Item 31, December 5, 2008.

A complete listing of the construction equipment by on-site and off-site activities, duration, and emissions estimation model input assumptions used in this analysis is included within the emissions calculation worksheets that are provided in **Appendix G** of this SCEA.

Table 5.8-1
Construction-Related GHG Emissions ($MTCO_{2e}$)

Year	$MTCO_2e$[a]
2024	2
2025	1,200
2026	1,519
2027	744
Total	**3,465**
Amortized Over 30 Years[b]	**116**

$MTCO_2e$ = metric tons of an equivalent mass of carbon dioxide

[a] CO_2e was calculated using CalEEMod 2022.1.1.17 and the results are provided in Section 2.3 of the Construction CalEEMod output file within **Appendix G** of this SCEA.

[b] As recommended by SCAQMD, the total GHG construction emissions were amortized over the 30-year lifetime of the project (i.e., total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate that can be added to the Project's operational emissions) in order to determine the Project's annual GHG emissions inventory.

Operation

The Project would include an increase of residential and commercial uses. This would result in direct and indirect GHG emissions generated by the increase in vehicular trips, as well as operations associated with the proposed uses, including: (1) building operations: emissions associated with space heating and cooling, water heating, and lighting; (2) water: emissions associated with energy used to pump, convey, treat, deliver, and re-treat water; and (3) solid waste: emissions associated with waste streams (embodied energy of materials). The Project would comply with the requirements under Title 24 and the Los Angeles Green Building Code, which would serve to reduce GHG emissions.

Operational emissions from the sources described above were estimated using CalEEMod for the Project in order to determine the net incremental change in GHG emissions. Mobile source emissions are based on the vehicle emission factors from EMFAC and the Project's daily VMT as discussed under Checklist Section 17, Transportation, and in the Transportation Assessment included as **Appendix K-1** of this SCEA. The Project's daily VMT was calculated using the LADOT VMT Calculator (Appendix D of the Transportation Assessment).

As shown in **Table 5.8-2**, the Project, with implementation of regulatory requirements set forth in Title 24 and Los Angeles Green Building Code, would result in approximately 2,409 $MTCO_2e$ annually. As pointed out above, there is not an adopted numerical significance threshold for assessing impacts related to GHG emissions. The following analysis, which includes an evaluation of the Project's consistency with applicable plans, policies, or regulations adopted for the purpose of reduction GHG emissions, is, therefore, used to determine the significance of the Project's GHG emissions-related impacts on the environment.

Table 5.8-2
Annual GHG Emissions Summary (Buildout)[a]
(metric tons of carbon dioxide equivalent [$MTCO_{2e}$])

Year	$MTCO_2$[a]
Area[b]	8
Energy[c] (electricity and natural gas)	605
Mobile	1,536
Solid Waste[d]	95
Water/Wastewater[e]	54
Vegetation	-8
Refrigerants	3
Construction	116
Total Emissions	**2,409**

[a] CO_2e was calculated using CalEEMod and the results are provided in the Technical Appendix.
[b] Area source emissions are from landscape equipment and other operational equipment only; hearths omitted.
[c] Energy source emissions are based on CalEEMod default electricity and natural gas usage rates.
[d] Solid waste emissions are calculated based on CalEEMod default solid waste generation rates.
[e] Water/Wastewater emissions are calculated based on CalEEMod default water consumption rates.

Area Source Emissions

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes landscape maintenance equipment, use of consumer products, and other everyday sources. As shown in **Table 5.8-2**, the Project would result in eight $MTCO_2e$ per year from area sources.

Electricity and Natural Gas Generation Emissions

GHG emissions are emitted because of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits CO_2 and other GHG emissions directly into the atmosphere. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Electricity and natural gas emissions were calculated for the Project using the CalEEMod emissions inventory model, which multiplies an estimate of the energy usage by applicable emissions factors chosen by the utility company. GHG emissions from electricity use are directly dependent on the electricity utility provider. In this case, GHG emissions intensity factors for LADWP were selected in CalEEMod. The carbon intensity ((pounds per megawatt an hour (lbs/MWh)) for electricity generation was calculated for the Project buildout year based on LADWP projections. A straight-line interpolation was performed to estimate the LADWP carbon intensity factor for the Project buildout year. LADWP's carbon intensity projections also consider SB 350 RPS requirements for renewable energy.

This approach is conservative, given the 2018 chaptering of SB 100 (De Leon), which requires electricity providers to provide renewable energy for at least 60 percent of their delivered power

by 2030 and 100 percent use of renewable energy and zero-carbon resources by 2045. SB 100 also increases existing renewable energy targets, called Renewables Portfolio Standard (RPS), to 44 percent by 2024 and 52 percent by 2027.

The 2022 Title 24 standards contain more substantial energy efficiency requirements for new construction, emphasizing the importance of building design and construction flexibility to establish performance standards that substantially reduce energy consumption for water hating, lighting, and insulation for attics and walls. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems.[106]

Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building, such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 (e.g., HVAC system, water heating system, and lighting system); energy use from lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod electricity and natural gas usage rates are based on the CEC-sponsored California Commercial End-Use Survey (CEUS) and the California Residential Appliance Saturation Survey (RASS) studies.[107] The data are specific for climate zones; therefore, Zone 11 was selected for the Project Site based on the zip code tool.

As shown in **Table 5.8-2**, Project GHG emissions from electricity and natural gas usage would result in a total of 605 $MTCO_2e$ per year. This reflects the all-electric plan for the residential uses.

Mobile Source Emissions

Mobile-source emissions were calculated using the SCAQMD-recommended CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with residents, employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and VMT.

Mobile source operational GHG emissions were calculated using CalEEMod and are based on the Project trip-generation estimates. To calculate daily trips, the number of residential units and amount of building area for the commercial uses were multiplied by the applicable trip-generation rates based on the Institute of Transportation Engineers (ITE)'s *Trip Generation, 11th Edition*.

The Project represents an infill development within an urbanized area that would concentrate residential and commercial uses within an HQTA.[108] The Project Site is in the dense Sunset

106 Energy consumption estimates with CalEEMod 2022.1.1.17 are based on the California Energy Commission's 2020 Residential Appliance Saturation Survey (residential uses) and 2021 Commercial Forecast database, both of which reflected the 2019 Title 24 energy efficiency standards. These energy consumption estimates were adjusted to reflect the 2022 Title 24 standards that cumulatively produce a 0.49 percent reduction in electricity use and 0.45 percent reduction in natural gas use when compared to the 2019 standards.

107 California Energy Commission, Commercial End-Use Survey, March 2006, and California Residential Appliance Saturation Survey, October 2010.

108 The Project Site is also located in Transit Priority Area as defined by Public Resources Code Section 20199. Public Resources Code Section 21099 defines a "transit priority area" as an area within 0.5 miles of a major transit stop that is "existing

Boulevard corridor with proximity to transit opportunities, which would encourage the use of alternative modes of transportation. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.

The Project characteristics listed below are consistent with the CAPCOA guidance document, *Quantifying Greenhouse Gas Mitigation Measures*, which provides emission reduction values for transportation related design techniques.[109] These techniques would reduce vehicle trips and VMT associated with the Project relative to the standard ITE trip generation rates, which would result in a comparable reduction in VMT and associated GHG emissions. Techniques applicable to the Project include the following (a brief description of the Project's relevance to the measure is also provided):

- **CAPCOA Measure LUT-1 – Increase Density:** Increased density, measured in terms of persons, jobs, or dwelling units per unit area, reduces emissions associated with transportation as it reduces the distance people travel for work or services and provides a foundation for the implementation of other strategies, such as enhanced transit services.

- **CAPCOA Measure LUT-3 – Increase Diversity of Urban and Suburban Developments (Mixed-Use):** The Project would introduce new residential and commercial uses on the Project Site. The increases in land use diversity, including different housing types, on the Project Site would reduce vehicle trips and VMT by encouraging visitors to walk and use non-automotive forms of transportation (i.e., public transit, biking), which would result in corresponding reductions in transportation-related emissions.

- **CAPCOA Measure LUT-4 – Increase Destination Accessibility:** The Project Site is in the dense Sunset Boulevard corridor, a regional job center, also easily accessible by public transportation. Access to multiple destinations, and commercial and retail uses in proximity to the Project Site would reduce vehicle trips and VMT compared to the statewide average and encourage walking and non-automotive forms of transportation and would result in corresponding reductions in transportation-related emissions because of the Project.

- **CAPCOA Measure LUT-5 – Increase Transit Accessibility:** The Project would be located near several transit opportunities, including Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights)

or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program adopted pursuant to Section 450.216 or 450.322 of Title 23 of the Code of Federal Regulations." Public Resources Code Section 21064.3 defines "major transit stop" as "a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." Also refer to the City's ZIMAS System regarding the location of the Project Site within a Transit Priority Area.

109 CAPCOA, Quantifying Greenhouse Gas Mitigation Measures, 2010.

circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region.

- **CAPCOA Measure LUT-9 – Improve Design of Development:** The Project would enhance the pedestrian and bicycle environment through an attractive open space component and improved sidewalk and streetscape, which would enhance walkability in the Project vicinity. The Project would also locate a development with a high level of street access to Sunset Boulevard, which improves street accessibility and connectivity.

- **CAPCOA Measure SDT-2 – Traffic Calming Measures:** Providing traffic calming measures encourages people to walk or bike instead of using a vehicle. This mode shift results in a decrease in VMT. Streets within a half mile of the Project Site are equipped with sidewalks, and several of the intersections include marked crosswalks and/or count-down signal timers that calm traffic.

CalEEMod calculates VMT based on the type of land use, trip purpose, and trip type percentages for each land use subtype in the project (primary, diverted, and pass-by). As shown in **Table 5.8-2**, the Project GHG emissions from mobile sources would result in a total of 1,536 $MTCO_2e$ per year. This estimate reflects reductions attributable to the Project's characteristics (e.g., infill project near transit that supports multi-modal transportation options), as described above.

Solid Waste Generation Emissions

Emissions related to solid waste were calculated using the CalEEMod emissions inventory model, which multiplies an estimate of the waste generated by applicable emissions factors provided in Section 2.4 of the USEPA's AP-42, Compilation of Air Pollutant Emission Factors. CalEEMod solid waste generation rates for each applicable land use were selected for this analysis. As shown in **Table 5.8-2**, the Project scenario is expected to result in a total of 95 $MTCO_2e$ per year from solid waste that accounts for a 50-percent recycling/diversion rate.[110]

Water Usage and Wastewater Generation Emissions

GHG emissions are related to the energy used to convey, treat, and distribute water, and treat wastewater. Thus, these emissions are generally indirect emissions from the production of electricity to power these systems. Three processes are necessary to supply potable water; these include (1) supply and conveyance of the water from the source; (2) treatment of the water to potable standards; and (3) distribution of the water to individual users. After use, energy is used as the wastewater is treated and reused as reclaimed water.

Emissions related to water usage and wastewater generation were calculated for the Project using the CalEEMod emissions inventory model, which multiplies an estimate of the water usage by the applicable energy intensity factor to determine the embodied energy necessary to supply potable water.[111] GHG emissions are then calculated based on the amount of electricity consumed

110 AB 341 (2012) increased the Statewide waste diversion goal from 50 to 75 percent from baseline rates established by CalRecycle by 2020 and beyond. Further, SB 1383 (2016) requires jurisdictions to reduce 75 percent of organic waste disposal in landfills by 2030.

111 The intensity factor reflects the average pounds of CO2e per megawatt generated by a utility company.

multiplied by the GHG emissions intensity factors for the utility provider. In this case, embodied energy for Southern California supplied water and GHG emissions intensity factors for LADWP were selected in CalEEMod. Water usage rates were calculated consistent with the requirements under City Ordinance No. 184,248, 2022 California Plumbing Code (which is based on the 2021 Uniform Plumbing Code), 2022 CALGreen, Los Angeles Plumbing Code, and Los Angeles Green Building Code, and reflect an approximately 20-percent reduction as compared to the base demand.

LADWP's programs includes programs designed to reduce indoor water consumption and wastewater generation by 20 percent. These include the 2022 requirements for installation of the latest ultra-high efficiency plumbing fixtures, the standards that promote increasing water-resistant turf and incorporating rainfall capture techniques in project designs, aggressive outdoor water consumption programs through its Landscape ordinance, and water recycling programs designed to increase recycled water to 59,000 acre-feet by 2035.

As shown in **Table 5.8-2**, Project GHG emissions from water/wastewater usage would result in a total of 54 $MTCO_2e$ per year, which reflects a 20-percent reduction in water/wastewater emissions consistent with building code requirements as compared to the Project without sustainability features related to water conservation.

Vegetation

The planting of 83 trees throughout the development will help to sequester carbon emissions. These trees would generally be 24" box trees, which equates to about two inches of diameter at breast height (DBH), or about 4'6" above the ground. These will help to capture and reduce GHG emissions. As illustrated in **Table 5.8-2**, proposed trees would reduce eight $MTCO_2e$ per year.

Refrigerants

Emissions related to cooling structures and refrigeration needs were calculated using the CalEEMod emissions inventory model. As shown in **Table 5.8-2**, the Project scenario is expected to result in a total of three $MTCO_2e$ per year from use of refrigerants that used HFCs and have high GWP values.

As noted earlier, one approach to demonstrating a project's consistency with GHG plans is to show how a project will reduce its incremental contribution through a Project Without Reduction Features comparison. The analysis in this section includes potential emissions under a Project Without Reduction Features scenario and from the Project at build-out based on actions and mandates in force in 2027.

As shown in **Table 5.8-3**, the emissions for the Project and its associated CARB 2024 Project Without Reduction Features scenario are estimated to be 1,374 and 2,152 $MTCO_2e$ per year, respectively, which shows the Project would reduce emissions by 31.2 percent from CARB's 2024 Project Without Reduction Features scenario.

Table 5.8-3
Estimated Reduction of Project-Related GHG Emissions Resulting from Consistency with Plans

Scenario and Source	Project Without Reduction Features Scenario*	As Proposed Scenario	Reduction from Project Without Reduction Features Scenario	Change from Project Without Reduction Features Scenario
Area Sources	8	8	-	0%
Energy Sources	1,043	605	-438	-42%
Mobile Sources	2,188	1,536	-652	-30%
Waste Sources	95	95	-	0%
Water Sources	54	54	-	0%
Vegetation	-8	-8	-	0%
Refrigerants	3	3	-	0%
Construction	116	116	-	0%
Total Emissions	3,499	2,409	-1,090	-31.2%

Daily construction emissions amortized over 30-year period pursuant to SCAQMD guidance. Annual construction emissions derived by taking total emissions over duration of activities and dividing by construction period.

* Project Without Reduction Features scenario does not assume 30% reduction in in mobile source emissions from Pavley emission standards (19.8%), low carbon fuel standards (7.2%), vehicle efficiency measures 2.8%); does not assume 42% reduction in energy production emissions from the State's renewables portfolio standard (33%), natural gas extraction efficiency measures (1.6%), and natural gas transmission and distribution efficiency measures (7.4%).

The analysis in this section uses the 2022 Scoping Plan's statewide goals as one approach to evaluate the Project's incremental contribution to climate change. The methodology is to compare the Project's emissions as proposed to the Project's emissions as if the Project were built using a Project Without Reduction Features approach in terms of design, methodology, and technology. This means the Project's emissions were calculated as if the Project was constructed with project design features to reduce GHG emissions that are not required by state or local code and with several regulatory measures adopted in furtherance of AB 32.

While the AB 32 Scoping Plan's cumulative statewide objectives were not intended to serve as the basis for project-level assessments, this analysis finds that its Project Without Reduction Features comparison based on the Scoping Plan is appropriate, because the Project would contribute to statewide GHG emissions reduction goals. Specifically, the Project's mixed-use nature and location in an existing urban setting provide opportunities to reduce transportation-related emissions. First, it would capture vehicle travel on-site that would have normally been destined for off-site locations. This produces substantial reductions in the amount of vehicle trips and VMT that no longer are made. Second, it would eliminate many vehicle trips, because travel to and from the Project Site could be captured by public transit and active transportation instead. Finally, it would attract existing trips on the street network that would divert to the proposed development.

Given the Project's consistency with state, SCAG, and City GHG emissions reduction goals and objectives, the Project is consistent with applicable plans, policies, and regulations adopted for the purpose of reducing the emissions of GHGs. In the absence of adopted standards and established significance thresholds, and given this consistency, it is concluded that the Project's incremental contribution to greenhouse gas emissions and their effects on climate change would not be cumulatively considerable.

b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. As discussed above, in the absence of a quantifiable significant threshold for GHG Threshold (a), the following analysis is uses to determine significance levels related to GHG Threshold (a) and GHG Threshold (b).

Consistency with Applicable Plans and Policies

In September 2006, Governor Arnold Schwarzenegger signed the California Global Warming Solutions Act of 2006, also known as AB 32, into law. AB 32 commits the State to the following:

- By 2010, reduce to 2000 emission levels;
- By 2020, reduce to 1990 levels; and
- By 2050, reduce to 80 percent below 1990 levels.

AB 32 requires that CARB determine what the statewide GHG emissions level was in 1990 and approve a statewide GHG emissions limit that is equivalent to that level, to be achieved by 2020. Executive Order (EO) B-30-15, which was issued in April 2015 by Governor Brown, requires statewide GHG emissions to be reduced 40 percent below 1990 levels by 2030. SB 32, signed into law in September 2016, codifies the 2030 GHG reduction target in EO B-30-15. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.[112]

To achieve these goals, AB 32 mandates that CARB establish a quantified emissions cap, institute a schedule to meet the cap, implement regulations to reduce statewide GHG emissions from stationary sources, and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved.

CARB approved a Climate Change Scoping Plan (2008 Scoping Plan) required by AB 32 in 2008.[113] The 2008 Scoping Plan proposes a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health."[114] The First Update to the AB 32 Scoping Plan (First Update), released on May 22, 2014, found that California is on track to meet the 2020 emissions reduction mandate established by AB 32 and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80 percent below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.[115]

112 Executive Order B-55-18 establishes a new statewide goal to achieve carbon neutrality no later than 2045 and achieve and maintain net negative emissions thereafter. Based on this executive order, CARB would work with relevant State agencies to develop a framework for implementation and accounting that tracks progress towards this goal, as well as ensuring future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

113 Climate Change Proposed Scoping Plan was approved by the California Air Resources Board on December 11, 2008.

114 Climate Change Scoping Plan, CARB, December 2008, https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2008-scoping-plan-documents, last reviewed April 3, 2013, accessed August 30, 2023.

115 CARB, First Update to the Climate Change Scoping Plan: Building on the Framework, May 2014, p. 34.

In December 2017, CARB adopted the *2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target* (2017 Update).[116] The 2017 Update builds upon the successful framework established by the 2008 Scoping Plan and the First Update while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health. The 2017 Update includes policies to require direct GHG reductions at some of the state's largest stationary sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade Program, which constraints and reduces emissions at covered sources.[117]

The 2022 Scoping Plan Update is the most comprehensive and far-reaching Scoping Plan developed to date. It identifies a technologically feasible, cost-effective, and equity-focused path to achieve new targets for carbon neutrality by 2045 and to reduce anthropogenic GHG emissions to at least 85 percent below 1990 levels, while also assessing the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan.[118] The 2030 target is an interim but important stepping stone along the critical path to the broader goal of deep decarbonization by 2045. The relatively longer path assessed in the 2022 Scoping Plan Update incorporates, coordinates, and leverages many existing and ongoing efforts to reduce GHGs and air pollution, while identifying new clean technologies and energy. Given the focus on carbon neutrality, the 2022 Scoping Plan Update also includes discussion for the first time of the natural and working lands sectors as sources for both sequestration and carbon storage, and as sources of emissions as a result of wildfires.

The 2022 Scoping Plan Update reflects existing and recent direction in the Governor's Executive Orders and State Statutes, which identify policies, strategies, and regulations in support of and implementation of the Scoping Plan. Among these include Executive Order B-55-18 and AB 1279 (The California Climate Crisis Act), which identify the 2045 carbon neutrality and GHG reduction targets required for the Scoping Plan.

The California Attorney General's Office has taken an active role in addressing climate change in CEQA documents. The Attorney General's Office has created and routinely updates a Fact Sheet listing project design features to reduce greenhouse gas emissions.[119] The Attorney General's Office created the Fact Sheet primarily for the benefit of local agencies processing CEQA documents, noting that "local agencies will help to move the State away from 'business-as-usual' and toward a low-carbon future." The Fact Sheet explains that the listed "measures can be included as design features of a project," but emphasizes that they "should not be considered in

116 CARB, 2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target, November 2017.

117 CARB, 2017 Climate Change Scoping Plan Update: The Strategy for Achieving California's 2030 Greenhouse Gas Target, November 2017, p. 6.

118 CARB, California's 2017 Climate Change Scoping Plan, 2017, ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf.

119 California Attorney General's Office Fact Sheet, The CEQA—Addressing Global Warming Impacts at the Local Agency Level, revised January 6, 2010.

isolation, but as part of a larger set of measures that, working together, will reduce greenhouse gas emissions and the effects of global warming."

The Governor's Office of Planning and Research (OPR) recommended Amendments to the CEQA Guidelines for GHGs which were adopted on December 30, 2009. CEQA Guidelines Section 15064.4 was adopted to assist lead agencies in determining the significance of the impacts of GHGs. Consistent with the developing practice, this section of the CEQA Guidelines urges lead agencies to quantify GHG emissions of projects where possible and includes language necessary to avoid an implication that a "lifecycle" analysis is required. In addition to quantification, CEQA Guidelines Section 15064.4 recommends consideration of several other qualitative factors that may be used in the determination of significance (i.e., the extent to which the project may increase or reduce GHG emissions compared to the existing environment; whether the project exceeds an applicable significance threshold; and the extent to which the project complies with regulations or requirements adopted to reduce or mitigate GHGs).

CEQA Guidelines Section 15064.4 does not establish a threshold of significance; instead, lead agencies are called on to establish significance thresholds for their respective jurisdictions in which a lead agency may appropriately look to thresholds developed by other public agencies, or suggested by other experts, such as the California Air Pollution Control Officer's Association (CAPCOA), so long as any threshold chosen is supported by substantial evidence.[120] The CEQA Guidelines Amendments also clarify that the effects of GHG emissions are cumulative, and should be analyzed in the context of CEQA's requirements for cumulative impact analyses.[121]

Lead agencies must either establish significance thresholds for their respective jurisdictions or determine significance on a case-by-case basis. The lead agency should use its "careful judgment" in making a determination of significance, and should make a "good-faith" effort to "describe, calculate or estimate" the amount of GHGs that will result from a project.[122,123] The lead agency is given the discretion to select a reasonable model and methodology to quantify GHGs and to rely on a qualitative analysis or performance based standards for its determination.[124] A lead agency should also consider the following factors, among others, when assessing the significance of impacts from GHGs: (1) the extent to which the project may increase or reduce GHGs; (2) whether the GHG emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, local plan for the reduction or mitigation of GHG emissions.[125]

CEQA Guidelines Section 15064 provides that a determination that an impact is not cumulatively considerable may rest on compliance with previously adopted plans or regulations, including plans or regulations for the reduction of GHG emissions.

As discussed above, no applicable numeric significance threshold for GHG emissions has been adopted by the State, SCAQMD, or the City of Los Angeles. Although state, regional, and local

120 CEQA Guidelines Section 15064.7(c).
121 CEQA Guidelines Section 15130 (f).
122 CEQA Guidelines Section 15064.4(a).
123 CEQA Guidelines Section 15064.4(a).
124 CEQA Guidelines Section 15064.4(a)(1)-(2).
125 CEQA Guidelines Section 15064.4(b).

plans and policies have been adopted to help address climate change (see discussions above), no current law or regulation would regulate all aspects of the Project's GHG emissions. In the absence of any adopted numeric threshold, the significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b)(2) by considering whether the Project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. For this Project, this analysis considers consistency with regulations or requirements set forth by the 2008 Scoping Plan and subsequent updates, SCAG's 2020–2045 RTP/SCS, and the City's Green New Deal.

A significant impact would occur if the Project would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment by conflicting with applicable regulatory plans and policies to reduce GHG emissions as discussed within CARB's Scoping Plan and subsequent updates, SCAG's 2020–2045 RTP/SCS, and the City's Green New Deal. The analysis below describes the extent to which the Project complies with or exceeds the performance-based standards included in the regulations outlined in these plans. As shown herein, the Project would be consistent with the applicable GHG reduction plans and policies.

CARB's Climate Change Scoping Plan

The Scoping Plan includes a range of GHG reduction actions that include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as a Cap-and-Trade system, and an AB 32 implementation fee to fund the program. The following discussion demonstrates how the pertinent reduction actions relate to and reduce Project-related GHG emissions.

Mandatory Regulatory Compliance Measures

The following applicable mandatory reduction actions/strategies would serve to indirectly reduce Project GHG emissions.

- **RPS Program and SB 2X:** The California RPS program (Updated under Senate Bill 2X) requires both public and investor-owned utilities in California to receive at least 33 percent of their electricity from renewable sources by the year 2020. SB 350 further requires 50 percent renewables by 2030. In 2019, LADWP indicated that 34 percent of its electricity came from renewable resources in Year 2016. Electricity GHG emissions provided above assume that LADWP will receive at least 33 percent of its electricity from renewable sources by the year 2020 and 50 percent by the year 2030 consistent with SB 350. The CalEEMod default carbon intensity for electricity generated by LADWP (pounds of CO2e per MWh) is based on a year 2007 renewables portfolio of 8 percent and was therefore updated within CalEEMod to reflect the year 2022 renewables portfolio. It is noted that under recently passed SB 100, LADWP is required to generate electricity that would increase renewable energy resources to 50 percent by 2026 and, 60 percent by 2030, and 100 percent by 2045. The Project complies with these percentage renewable requirements inasmuch as the Project is served by LADWP, which is committed to achieving the increase in renewable energy resources by the required dates. Given LADWP's progress towards

meeting and exceeding the established targets, as well as potential penalties for non-compliance, it is assumed LADWP will comply.

- **SB 350:** As required under SB 350, doubling of the energy efficiency savings from final end uses of retail customers by 2030 would primarily rely on the existing suite of building energy efficiency standards under CCR Title 24, Part 6 (discussed below) and utility-sponsored programs such as rebates for high-efficiency appliances, HVAC systems, and insulation. The Project would further support this action/strategy because it includes energy-efficient light-emitting diode (LED) lighting for the Project.

- **Cap-and-Trade Program:** As required by AB 32 and the Climate Change Scoping Plan, the Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, this regulatory program applies to electric service providers and not directly to the Project. That being said, while not quantified in this analysis, the Project would benefit from this regulatory program in that the GHG emissions associated with the Project's electricity usage per year would indirectly be covered by the Cap-and-Trade Program.

- **Advanced Clean Cars Program:** CARB approved the Advanced Clean Cars Program in 2012 which establishes an emissions control program for model year 2017 through 2025 and increasing the number of zero emission vehicles manufactured in the 2018 through 2025 model years. Standards under the Advanced Clean Cars Program apply to all passenger and light duty trucks within California and indirectly used by employees and deliveries to the Project. Mobile source GHG emissions conservatively do not include this additional 34-percent reduction in mobile source emissions as the CalEEMod model default fleet mix for the Air Basin does not yet account for this regulation. The Project would further support this regulation by complying with the City's EV charging station requirements, which exceed Title 24 requirements.

- **Low Carbon Fuel Standard (LCFS):** The current LCFS requires a reduction of at least 7.5 percent in the carbon intensity (CI) of California's transportation fuels by 2020. CalEEMod includes implementation of LCFS into the calculation of GHG emissions from mobile sources. However, the LCFS was amended in September 2018 to target a 20-percent reduction in CI from a 2010 baseline by 2030. As discussed previously, the CalEEMod model does not take into account the more recent updates to LCFS. The Project's emissions inventory conservatively does not take credit for additional GHG reductions due to the more recent LCFS requirements, but this additional 10-percent reduction in CI would indirectly reduce the Project's mobile source emissions.

- **California Integrated Waste Management Act of 1989:** The regulation requires each jurisdiction's source reduction and recycling element to include a diversion of 50 percent of all solid waste by 2000. AB 341 (2011) amended the regulation to include a provision declaring that it is the policy goal of the state that not less than 75 percent of solid waste generated be source reduced, recycled, or composted by the year 2020, and annually thereafter. The Project would comply with these percentage recycling

requirements inasmuch as the Project is served by the City of Los Angeles, which currently achieves a diversion rate of 76 percent.[126] Project-related GHG emissions from solid waste generation includes a 76-percent reduction in solid waste generation source emissions consistent with the minimum diversion rate required for the City of Los Angeles (CalEEMod default diversion rate is zero percent). The Applicant must also only contract for waste disposal services with a company that recycles solid waste in compliance with AB 341. In addition, the Project would provide recycling bins at appropriate locations to promote recycling of paper, metal, glass and other recyclable material. Consistent with CalGreen requirements, the Project would recycle and/or salvage at least 65 percent of non-hazardous construction and demolition debris, and the Applicant would prepare a construction waste management plan that, at a minimum, identifies the materials to be diverted from disposal and whether the materials would be sorted on-site or comingled.

Applicable Scoping Plan Measures

Further evaluation of project design features and specific applicable polices and measures in the Scoping Plan is provided below. As shown below, the Project would not conflict with the policies included in the Scoping Plan.

- **Energy Independence and Security Act of 2007 (EISA):** EISA requires phasing out of incandescent light bulbs sold in the United States resulting in 25 percent greater light bulb efficiency in 2014 and 200 percent greater efficiency in 2020. CalEEMod does not incorporate this nationwide reduction in electricity usage associated with lighting. The Project would not conflict with this requirement as the Project would incorporate energy-efficient light-emitting diode (LED) lighting throughout the Project. Electricity GHG emissions account for LED lighting electricity consumption.

- **CCR, Title 24, Building Standards Code:** The 2022 Building Energy Efficiency Standards contained in Title 24, Part 6 (also known as the California Energy Code), requires the design of building shells and building components to conserve energy. The Project would not conflict with the regulatory requirements as the Project must comply with applicable provisions of the 2023 Los Angeles Green Code that in turn requires compliance with mandatory standards included in CalGreen. The Project would further support this regulation since the Project would incorporate energy-efficient LED lighting throughout the Project, reducing overall energy usage compared to baseline conditions. In addition, lighting and energy usage for new structures would comply with Title 24 standards.

- **Assembly Bill 1109 (AB 1109):** The Lighting Efficiency and Toxic Reduction Act establishes standards structured to reduce average statewide electrical energy consumption by not less than 25 percent from the 2007 levels for indoor commercial and outdoor lighting by 2018.[127] The Project would not conflict with the requirements

126 City of Los Angeles Zero Waste Progress Report, March 2013.
127 AB 1109 (2007–2008 Reg. Session) Stats. 2007, Ch. 534

under AB 1109 because it complies with local and state green building programs and incorporates energy-efficient LED lighting throughout the Project.

- **Senate Bill (SB) 375:** SB 375 requires integration of planning processes for transportation, land-use and housing. Under SB 375, each Metropolitan Planning Organization (MPO) would be required to adopt a Sustainable Community Strategy (SCS) to encourage compact development that reduces passenger vehicle miles traveled and trips so that the region will meet a target, created by CARB, for reducing GHG emissions. As discussed under Checklist Section 17, Transportation and in the Transportation Assessment included as **Appendix K-1** of this SCEA, the Project's increased square footage would result in an increase in daily trips and VMT. As shown in **Appendix K-1**, incorporation of USEPA MXD VMT reduction features applicable to the Project results in a 16.5-percent reduction in overall VMT and resultant GHG emissions compared to the unadjusted baseline ITE trip generation rates and LADOT VMT Calculator. The Project's reduction in VMT compared to a Project without reduction features would support the goals of the 2020–2045 RTP/SCS. Therefore, the Project would be consistent with SB 375, the reduction in passenger vehicle GHG emissions per capita goals provided in the 2020–2045 RTP/SCS, and with CARB's updated 2035 target.

- **Senate Bill (SB) X7-7:** The Water Conservation Act of 2009 sets an overall goal of reducing per-capita urban water use by 20 percent by December 31, 2020. The state is required to make incremental progress toward this goal by reducing per-capita water use by at least 10 percent by December 31, 2015. This is an implementing measure of the Water Sector of the AB 32 Scoping Plan. Reduction in water consumption directly reduces the energy necessary and the associated emissions to convene, treat, and distribute the water; it also reduces emissions from wastewater treatment. The Project would comply with the City of Los Angeles Green Building Code which requires a 20-percent reduction in water usage.

- **CARB In-Use On-Road Regulation:** CARB's in-use on-road heavy-duty vehicle regulation (Truck and Bus Regulation) applies to nearly all privately and federally owned diesel fueled trucks and buses with a gross vehicle weight rating greater than 14,000 pounds. Construction contractors working on the Project site would be required to comply with this regulation.

Table 5.8-4 evaluates the Project's consistency with applicable reduction actions/strategies by emissions source category outlined in the *2022 Climate Change Scoping Plan Update*.[128] When compared to SB 32, the Proposed Project would be consistent with its objectives and the GHG reduction-related actions and strategies of the 2022 Scoping Plan. **Table 5.8-4** confirms that the Proposed Project is consistent with the Scoping Plan's focus on increasing renewable energy use, imposing tighter limits on the carbon content of gasoline and diesel fuel, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries. Although a number of these strategies are currently promulgated, some have not yet been

[128] An evaluation of stationary sources is not necessary as the stationary sources emissions will be created by emergency generators that would only be used in an emergency.

formally proposed or adopted. It is expected that these measures or similar actions to reduce GHG emissions will be adopted as required to achieve statewide GHG emissions targets. Based on the following analysis, the Project would be consistent with the State's Climate Change Scoping Plan's objective of achieving carbon neutrality statewide by 2045 and reducing 2030 GHG emissions in accord with SB 32.

Based on the analysis in **Table 5.8-4**, the Project would be consistent with the State's 2022 Climate Change Scoping Plan and, thus, impacts related to consistency with the Scoping Plan would be less than significant impact.

Table 5.8-4
Consistency with the 2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Smart Growth / Vehicle Miles Traveled (VMT)	VMT per capita reduced 25% below 2019 levels by 2030, and 30% below 2019 levels by 2045	SB 375: Reduce demand for fossil transportation fuels and GHG	**No Conflict.** The Project represents a mixed-use infill development within an urbanized area that would concentrate new residences and commercial uses within an HQTA and reduce per capita VMT and GHG emissions. The Project would be consistent with SB 375 and its VMT reduction goals, as well as the GHG and transportation goals of the 2020-2045 RTP/SCS.
Light-duty Vehicle (LDV) Zero Emission Vehicles (ZEVs)	100% of Light Duty Vehicle sales are ZEV by 2035	EO N-79-20: Reduce demand for fossil transportation fuels and GHGs, and improve air quality. In November 2022, the Advanced Clean Cars II regulations took effect, setting ZEV and plug-in hybrid vehicle sales requirements for model years 2026 to 2035 (ZEV program) and increasingly stringent emission standards (LEV program) to ensure automakers phase out sales of internal combustion engine vehicles.	**No Conflict.** Emissions from vehicle engines from the Project would be regulated by State regulations governing technology and cleaner emissions.

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Truck ZEVs	100% of medium-duty (MDV)/HDV sales are ZEV by 2040 (AB 74 University of California Institute of Transportation Studies [ITS] report)	EO N-79-20: Reduce demand for fossil transportation fuels and GHGs, and improve air quality. CARB's Advanced Clean Truck Regulation accelerates the transition of zero-emission medium- and heavy-duty vehicles from 2024 to 2035. CARB also adopted the Innovative Clean Transit measure in 2018 that requires all public transit agencies to transition to zero emission fleets.	**No Conflict.** While the Project would not generate substantial medium- and heavy-duty truck traffic, it would not impede the advancement of cleaner trucks over time.
Aviation	20% of aviation fuel demand is met by electricity (batteries) or hydrogen (fuel cells) in 2045. Sustainable aviation fuel meets most or the rest of the aviation fuel demand that has not already transitioned to hydrogen or batteries.	CARB focuses on reducing emissions from ground support equipment and airport transit vehicles. It is also working with national and international entities to tighten aircraft emission standards. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** While the Project would not directly impact aviation industry, it would not impede the advancement of a cleaner aviation industry over time.
Ocean-going Vessels (OGVs)	2020 OGV At-Berth regulation fully implemented, with most OGVs utilizing shore power by 2027. 25% of OGVs utilize hydrogen fuel cell electric technology by 2045.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory In 2015, Executive Order B-32-15 called. For a less polluting freight transport system that addressed OGVs, transport refrigeration units, and clean trucks.	**No Conflict.** While the Project would not directly impact trade or OGVs, it would not impede the advancement of a cleaner on- or off-shore sources over time.
Port Operations	100% of cargo handling equipment is zero-emission by 2037. 100%	Executive Order N-79-20: Reduce demand for petroleum fuels and GHGs, and improve air	**No Conflict.** While the Project would not directly impact trade or port operations, it would not

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	of drayage trucks are zero emission by 2035.	quality. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory. In 2015, Executive Order B-32-15 called. For a less polluting freight transport system that addressed OGVs, transport refrigeration units, and clean trucks.	impede the advancement of a cleaner on-shore sources over time.
Freight and Passenger rail	100% of passenger and other locomotive sales are ZEV by 2030. 100% of line haul locomotive sales are ZEV by 2035. Line haul and passenger rail rely primarily on hydrogen fuel cell technology, and others primarily utilize electricity.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory In 2015, Executive Order B-32-15 called. For a less polluting freight transport system that addressed OGVs, transport refrigeration units, and clean trucks.	**No Conflict.** While the Project would not directly impact freight or passenger rail, it would not impede the advancement of a cleaner locomotives over time. The Project's land uses would not include freight transportation or warehousing that would be subject to the California Sustainable Freight Action Plan. Therefore, the Project would not interfere or impede the implementation of the Sustainable Freight Action Plan.
Oil and Gas Extraction	Reduce oil and gas extraction operations in line with petroleum demand by 2045.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** While the Project would not directly impact oil extraction, it would help reduce demand for petroleum products from energy, area, and mobile sources.
Petroleum Refining	CCS on majority of operations by 2030, beginning in 2028 Production reduced in line with petroleum demand.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** While the Project would not directly impact oil extraction, it would help reduce demand for petroleum products that require refining.
Electricity Generation	Sector GHG target of 38 $MMTCO_2e$ in 2030 and 30 $MMTCO_2e$ in 2035. Retail sales load coverage 20 gigawatts (GW) of offshore wind by 2045. Meet increased demand for electrification without	SB 350 and SB 100: Reduce GHGs and improve air quality. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of electricity generation.

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	new fossil gas-fired resources.		
New Residential and Commercial Buildings	All electric appliances beginning 2026 (residential) and 2029 (commercial), contributing to 6 million heat pumps installed statewide by 2030.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would incorporate appliances that are consistent with Title 24 and Green Building requirements and consistent with the reduction of residential energy use. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems.
Existing Residential Buildings	80% of appliance sales are electric by 2030 and 100% of appliance sales are electric by 2035. Appliances are replaced at end of life such that by 2030 there are 3 million all-electric and electric-ready homes—and by 2035, 7 million homes—as well as contributing to 6 million heat pumps installed statewide by 2030.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would comply with Title 24 and Green Building requirements during construction and any future retrofit or appliance replacement requirements.
Existing Commercial Buildings	80% of appliance sales are electric by 2030, and 100% of appliance sales are electric by 2045. Appliances are replaced at end of life, contributing to 6 million heat pumps installed statewide by 2030.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not interfere with any future requirements to retrofit commercial appliances.
Food Products	7.5% of energy demand electrified directly and/or indirectly by 2030; 75% by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for food production.
Construction Equipment	25% of energy demand electrified by 2030 and 75% electrified by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for construction equipment.

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Chemicals and Allied Products; Pulp and Paper	Electrify 0% of boilers by 2030 and 100% of boilers by 2045. Hydrogen for 25% of process heat by 2035 and 100% by 2045 Electrify 100% of other energy demand by 2045.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for boilers.
Stone, Clay, Glass, and Cement	CCS on 40% of operations by 2035 and on all facilities by 2045 Process emissions reduced through alternative materials and CCS	SB 596: Reduce demand for fossil energy, process emissions, and GHGs, and improve air quality. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for stone, clay, glass, and cement facilities.
Other Industrial Manufacturing	0% energy demand electrified by 2030 and 50% by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for industrial facilities.
Combined Heat and Power	Facilities retire by 2040.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not affect facilities that produced heat and power.
Agriculture Energy Use	25% energy demand electrified by 2030 and 75% by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not affect directly agricultural sources of energy.
Low Carbon Fuels for Transportation	Biomass supply is used to produce conventional and advanced biofuels, as well as hydrogen.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory In November 2022, the Advanced Clean Cars II regulations took effect, setting low emission standards for transportation.	**No Conflict.** This regulatory program applies to fuel suppliers, not directly to land use development. GHG emissions related to vehicular travel associated with the Project would benefit from this regulation because fuel used by Project-related vehicles would be required to comply with the LCFS. Mobile source GHG emissions estimates were calculated using CalEEMod that includes implementation of the LCFS into mobile source emission factors. The current LCFS targets a 20% reduction in CI from a 2010 baseline by 2030.

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
			GHG emissions generated by Project-related vehicular travel would benefit from the Advanced Clean Cars Program.
Low Carbon Fuels for Buildings and Industry	In 2030s biomethane blended in pipeline Renewable hydrogen blended in fossil gas pipeline at 7% energy (~20% by volume), ramping up between 2030 and 2040 In 2030s, dedicated hydrogen pipelines constructed to serve certain industrial clusters	SB 350: The Clean Energy and Pollution Reduction Act of 2015 increases the standards of the California RPS program by requiring that the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources be increased to 50 percent by 2030. Required measures include increasing RPS to 50 percent of retail sales by 2030, establishing annual targets for statewide energy efficiency that achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030. SB 100: The California Renewables Portfolio Standard Program (2018) requires retail sellers to procure renewable energy that is at least 50 percent by December 31, 2026 and 60 percent by December 31, 2030. It requires local publicly owned electric utilities to procure a minimum quantity of electricity from renewable energy resources of 44 percent of retail sales by December 31, 2024 and	**No Conflict.** The Project would comply with this this action/strategy being located within the LADWP service area and would comply with CalGreen and Title 24 energy efficiency standards. LADWP must generate electricity that would increase renewable energy resources to 33 percent by 2020 and 50 percent by 2030. As LADWP would provide electricity service to the Project Site, by 2030 the Project would use electricity consistent with the requirements of SB 350. LADWP's 2021 LA100 Renewable Energy Study found that 45 percent of LADWP's electricity was from renewable sources in 2020 and that 100 percent of electricity could be achieved by 2045. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems. As required under SB 350, doubling of the energy efficiency savings from retail customers by 2030 would primarily rely on the existing suite of building energy efficiency standards under CCR Title 24, Part 6 (consistency with this regulation is discussed

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
		60 percent by December 31, 2030.	below) and utility-sponsored programs such as rebates for high-efficiency appliances, HVAC systems, and insulation.
Non-combustion Methane Emissions	Increase landfill and dairy digester methane capture. Some alternative manure management deployed for smaller dairies Moderate adoption of enteric strategies by 2030 Divert 75% of organic waste from landfills by 2025. Oil and gas fugitive methane emissions reduced 50% by 2030 and further reductions as infrastructure components retire in line with reduced fossil gas demand	SB 1383 (2016) requires CARB to set 2030 emission reduction targets of 40 percent for methane and hydrofluorocarbons and 50 percent black carbon emissions below 2013 levels. The Project would comply with the CARB SLCP Reduction Strategy by using HVAC equipment with lower GWP refrigerants.	**No Conflict.** This program applies to State regulators looking to reduce methane emissions from landfill and dairy facilities and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to reduce such pollutants.
High GWP Potential Emissions	Low GWP refrigerants introduced as building electrification increases, mitigating HFC emissions	SB 605 (2014) directed CARB to develop a comprehensive Short-Lived Climate Pollutant (SLCP) strategy.	**No Conflict.** This program applies to State regulators looking to reduce high GWP refrigerants and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to reduce such pollutants.
Natural and Working Lands	Conserve 30% of the state's NWL and coastal waters by 2030. Implement near- and long-term actions to accelerate natural removal of carbon and build climate resilience in our forests, wetlands, urban greenspaces, agricultural soils, and land conservation activities in ways that serve all communities—and in particular low-income, disadvantaged, and vulnerable communities.	EO N-82-20 and SB 27: CARB to include an NWL target in the Scoping Plan. AB 1757: Establish targets for carbon sequestration and nature-based climate solutions. SB 1386: NWL are an important strategy in meeting GHG reduction goals.	**No Conflict.** This program applies to State regulators governing Natural and Working Lands and is not directly related to development of the Project. However, the Project would not interfere or impede implementation of the Integrated Natural and Working Lands Implementation Plan, EO N-82-20, SB 27, or SB 1386.
Forests and Shrublands	At least 2.3 million acres treated statewide annually	Restore health and resilience to overstocked	**No Conflict.** This program applies to State regulators

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	in forests, shrublands/chaparral, and grasslands, comprised of regionally specific management strategies that include prescribed fire, thinning, harvesting, and other management actions. No land conversion of forests, shrublands/chaparral, or grasslands.	forests and prevent carbon losses from severe wildfire, disease, and pests. Improve air quality and reduce health costs related to wildfire emissions. Improve water quantity and quality and improve rural economies. Provide forest biomass for resource utilization. EO B-52-18: CARB to increase the opportunity for using prescribed fire. AB 1504 (Skinner, Chapter 534, Statutes of 2010): CARB to recognize the role forests play in carbon sequestration and climate mitigation.	governing forest and shrubland management and is not directly related to development of the Project. However, the Project would not interfere or impede implementation of EO B-52-18, AB 1504, or the Forest Carbon Plan.
Grasslands	At least 2.3 million acres treated includes increased management of grasslands interspersed in forests to reduce fuels surrounding communities using management strategies appropriate for grasslands. No land conversion of forests, shrublands/chaparral, or grasslands.		**No Conflict.** This program applies to State regulators of grasslands and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to reduce fuels in grasslands surrounding communities.
Croplands	Implement climate smart practices for annual and perennial crops on ~80,000 acres annually. Land easements/ conservation on annual crops at ~5,500 acres annually. Increase organic agriculture to 20% of all cultivated acres by 2045 (~65,000 acres annually).	SB 859: Recognizes the ability of healthy soils practices to reduce GHG emissions from agricultural lands.	**No Conflict.** This program applies to State regulators overseeing croplands and is not directly related to development of the Project. However, the Project would not interfere or impede SB 859 and efforts to increase organic agriculture and conserve croplands.
Developed Lands	Increase urban forestry investment by 200% above current levels and	AB 2251 (Calderon, Chapter 186, Statutes of 2022): Increase urban	**No Conflict.** This program applies to State regulators addressing urban forestry

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	utilize tree watering that is 30% less sensitive to drought. Establish defensible space that accounts for property boundaries.	tree canopy 10% by 2035.	and is not directly related to development of the Project. However, the Project would not interfere or impede implementation of AB 2251 and efforts to increase the urban canopy.
Wetlands	Restore 60,000 acres of Delta wetlands		**No Conflict.** This program applies to State regulators restoring Delta wetlands and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to restore wetland ecologies.
Sparsely Vegetated Lands	Land conversion at 50% of the Reference Scenario land conversion rate.		**No Conflict.** This program applies to State regulators slowing the conversion of sparsely vegetated lanes and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to slow urban conversion of such lands.
Cap-and-Trade Program	Implement the post-2020 Cap-and-Trade Program with declining annual caps.	AB 398 was enacted in 2017 to extend and clarify the role of the state's Cap-and-Trade Program from January 1, 2021, through December 31, 2030. As part of AB 398, refinements were made to the Cap-and-Trade program to establish updated protocols and allocation of proceeds to reduce GHG emissions.	**Not Applicable.** This applies to the market-based program to reduce GHG emissions over time and is not applicable to a development project.

SCAG 2020–2045 RTP/SCS

SCAG's 2020–2045 RTP/SCS, adopted on September 3, 2020, presents a long-term transportation vision through the year 2040 for the six-county region of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties. The vision for the region incorporates a range of best practices for increasing transportation choices, reducing dependence on personal automobiles, further improving air quality and encouraging growth in walkable, mixed-use communities with ready access to transit infrastructure and employment. More and varied housing types and employment opportunities would be located in and near job centers, transit stations

and walkable neighborhoods where goods and services are easily accessible via shorter trips. To support shorter trips, people would have the choice of using neighborhood bike networks, car share or micro-mobility services like shared bicycles or scooters. For longer commutes, people would have expanded regional transit services and more employer incentives to carpool or vanpool. Other longer trips would be supported by on-demand services such as microtransit, carshare, and citywide partnerships with ride hailing services. For those that choose to drive, hotspots of congestion would be less difficult to navigate due to cordon pricing, and using an electric vehicle will be easier thanks to an expanded regional charging network.

The goals and policies of the 2020–2045 RTP/SCS that focus on reducing VMT feature transportation and land use planning that include building infill projects, locating residents closer to where they work and play, and designing communities such that there is access to high quality transit service. Priority Growth Areas, which include HQTAs, Job Centers, Transit Priority Areas (TPAs), NMAs, Livable Corridors, and Spheres of Influence (SOIs), will account for less than 4 percent of regional total land but are projected to accommodate 64 percent of future household growth and 74 percent of employment growth between 2020 and 2045. The 2020–2045 RTP/SCS overall land use pattern reinforces the trend of focusing new housing and employment in the region's PGAs, including HQTAs. HQTAs are a cornerstone of land use planning best practice in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.

The 2020–2045 RTP/SCS is expected to reduce per capita transportation emissions by 19 percent by 2035, which is consistent with SB 375 compliance with respect to meeting the State's GHG emission reduction goals.[129] Due to fuel economy and efficiency improvements, GHG emission rates of model year 2017 vehicles have decreased by 15 to 20 percent when compared to model year 2008 and earlier vehicles. However, for purposes of SB 375 emissions reduction targets, the fuel economy improvements have been largely excluded from the reduction calculation. The SB 375 target focuses on the amount of vehicle travel per capita.

In addition to demonstrating the region's ability to attain and exceed the GHG emission-reduction targets set forth by CARB, the 2020–2045 RTP/SCS outlines a series of actions and strategies for integrating the transportation network with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. Thus, successful implementation of the 2020–2045 RTP/SCS would result in more complete communities with a variety of transportation and housing choices, while reducing automobile use.

With regard to individual developments, such as the Project, the strategies and policies set forth in the 2020–2045 RTP/SCS can be grouped into the following three categories: (1) reduction of vehicle trips and VMT; (2) increased use of alternative fuel vehicles; and (3) improved energy efficiency. The Project's consistency with these general categories of strategies and policies are each discussed below.

129 SCAG, Final 2020–2045 RTP/SCS, Making Connections, p. 5, May 7, 2020.

Table 5.8-5 provides a comparison of the Project against the GHG-related performance measures of the 2020-2045 RTP/SCS.

Table 5.8-5
Consistency with the 2020 RTP/SCS

Objectives	Consistency Analysis[a]
Increase percentage of region's total household growth occurring within HQTAs.	**No Conflict.** The Project would result in a net increase of 327 households in an HQTA and would expand the diversity of housing choices, with 41 affordable units and additional live/work spaces that provide options for sustainable living.
Increase percent of the region's total employment growth occurring within HQTAs.	**No Conflict.** The mixed-use project would also include commercial spaces on the ground level that would increase service-related jobs on the Project Site and support the region's efforts to create jobs-housing balance in HQTAs.
Decrease total acreage of greenfield or otherwise rural land uses converted to urban use.	**Consistent.** The Project is an infill development that would reduce the demand for sprawl development in greenfield or rural areas on the fringes of Southern California.
Decrease daily vehicle miles driven per person.	**Consistent.** The Project is an infill development amid heavy transit infrastructure that includes access to Metro local bus services. The limited parking for 263 vehicles would reduce car ownership for residents that would further reduce daily VMT per capita.
Decrease average daily distance traveled for work and non-work trips (in miles)	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor with a heavy density of housing and jobs amid transit infrastructure that would reduce per capita travel distances.
Increase percentage of work and non-work trips which are less than 3 miles in length.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor with a heavy density of housing and jobs amid transit infrastructure that would increase the rate of travel less than three miles in length.
Increase share of short trip lengths for commute purposes.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor with a heavy density of housing and jobs amid transit infrastructure that would shorten commute trips.
Decrease average minutes of delay experienced per capita due to traffic congestion.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location.
Decrease excess travel time resulting from the difference between a reference speed and actual speed.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location. As such, the Project would help reduce recurrent traffic congestion delay for general vehicles.
Decrease excess travel time for heavy-duty trucks result from the difference between reference speed and actual speed.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location. As such, the Project would help reduce recurrent traffic congestion delay for heavy-duty trucks.

Objectives	Consistency Analysis[a]
Increase percentage of PM peak period trips completed within 45 minutes by travel mode.	**Consistent.** The Project is an infill development that will reduce the rate of growth in auto traffic and congestion by virtue of its transit accessibility and lower car ownership rates due to the limited parking. Because the Project's location will attract travel to and from the Sunset Boulevard corridor and local community, the share of PM peak period trips that are less than 45 minutes would increase when compared to an urban sprawl location.
Increase percentage of trips that use transit (work and all trips)	**Consistent.** The Project is an infill development with convenient access to public transit options, include Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region.
Decrease average travel time to work (all modes)	**Consistent.** The Project is an infill development that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location. Because the Project's location will attract travel to and from the Sunset Boulevard corridor and local community, average travel time to work should be reduced when compared to an urban sprawl location.
Increase percentage of trips using either walking or biking (by trip type)	**Consistent.** The Project is located on the Sunset Boulevard corridor, with density of residential and commercial uses that are walkable. The location of additional residents and jobs will continue the corridor's ability to promote active transportation.
Reduce per capita GHG emissions (from 2005 levels)	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit accessibility and lower car ownership levels. As such, it is consistent with AB 32, SB 32, SB 375, and other initiatives designed to reduce per capita GHG emissions from 2005 levels.
Increase percentage of trips using a travel mode other than single occupancy vehicle (SOV)	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in SOV use and congestion by virtue of its transit accessibility. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue and LADOT DASH (Pico Union) on Edgeware Road. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active

Objectives	Consistency Analysis[a]
	transportation. In addition, the live/work units will help reduce travel demand.

Consistency with Integrated Growth Forecast

The 2020–2045 RTP/SCS states that the SCAG region was home to about 18.8 million people in 2016 and currently includes approximately 6.0 million homes and 8.4 million jobs.[130] By 2045, the integrated growth forecast projects that these figures will increase by 3.7 million people, with nearly 1.6 million more homes and 1.6 million more jobs. HQTAs will account for 3 percent of regional total land but are projected to accommodate 46 percent and 50 percent of future household and employment growth respectively between 2012 and 2040. The overall land use pattern in the 2020–2045 RTP/SCS reinforces the trend of focusing new housing and employment in the region's HQTAs. HQTAs are a cornerstone of land use planning best practices in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.

Consistent with the SCAG's RTP/SCS alignment of transportation, land use, and housing strategies, the Project would provide residents and employees with convenient access to public transit, which would facilitate a reduction in VMT and corresponding vehicular GHG emissions.

The Project would concentrate new development within 0.5-mile (walking distance) of bus lines serviced by Metro and LADOT bus lines. Thus, residents and employees are provided with an alternative to single-occupant vehicle travel that would facilitate a reduction in VMT and corresponding vehicular GHG emissions. As such, the Project's location provides some opportunities for the use of public transit to reduce vehicle trips. Moreover, the Project would represent a development within an existing semi-urbanized area that would include residential uses near other residential and commercial uses.

As discussed above, the Project would incorporate reduction measures to which will reduce VMT in comparison to a Project without reduction features. The Project's estimated VMT reductions would be consistent with regional strategies to reduce transportation-related GHG emissions and would be consistent with and support the goals and benefits of the 2020–2045 RTP/SCS, which seeks improved "mobility and access by placing destinations closer together and decreasing the time and cost of traveling between them. The Project represents a development within an existing urbanized area that would concentrate new residential uses within an HQTA, TPA, Job Center, and NMA and adjacent to a Livable Corridor. The convenient access to public transportation and other measures would further promote a reduction in VMT and subsequent reduction in GHG emissions, which would be consistent with the goals of SCAG's 2020–2045 RTP/SCS.

Consistency with VMT Reduction Strategies and Policies

As discussed under Checklist Section 11, Land Use and Planning, the Project includes GHG-reducing strategies from the 2020–2045 RTP/SCS that are applicable to the Project. Specifically, the Project includes characteristics that are consistent with strategies identified in the 2020–2045

130 2020–2045 RTP/SCS population growth forecast methodology includes data for years 2010, 2010, 2016, and 2045.

RTP/SCS, and that would reduce Project trips and VMT as compared to the Project without implementation of VMT reducing measures within the Air Basin as measured by CalEEMod. Such characteristics and VMT reducing measures include developing a mix of residential and commercial uses in close proximity to other residential and commercial uses, because in comparison, a similar project located further away from major residential centers or mass transit would not achieve a similar reduction in VMT. In addition, the Project would include EV parking at the Project Site reducing mobile source GHG emissions.

As discussed above, the Project represents an infill development within an existing urbanized area that would concentrate new residential uses within an HQTA, TPA, and NMA and along a Livable Corridor. Furthermore, in accordance with Ordinance No. 185,480, the Project would provide bicycle parking spaces as required by the LAMC, in addition to bicycle-serving amenities that would further encourage biking. These project features would further promote a reduction in VMT and subsequent reduction in GHG emissions, which would be consistent with the goals of SCAG's 2020–2045 RTP/SCS.

Increased Use of Alternative Fueled Vehicles Policy Initiative

The second goal of the 2020–2045 RTP/SCS, with regard to individual development projects, such as the Project, is to increase alternative fueled vehicles to reduce per capita GHG emissions. The 2020–2045 RTP/SCS policy initiative focuses on providing charge port infrastructure and accelerating fleet conversion to electric or other near zero-emission technologies. As discussed above, the Project Site would set aside parking spaces with EV charging equipment and spaces that support future EVSE. With the continued retention of these parking spaces under the Project, the Project would support the alternative fueled vehicle policy initiative.

Energy Efficiency Strategies and Policies

The third goal within the 2020–2045 RTP/SCS for individual developments, such as the Project, involves improving energy efficiency (e.g., reducing energy consumption) to reduce GHG emissions. The 2020–2045 RTP/SCS goal is to actively encourage and create incentives for energy efficiency, where possible. All Project lighting systems would meet current Title 24 Energy Standards through use of LED bulbs which would reduce energy usage and, thereby, reduce associated greenhouse gas emissions and help minimize the impact on natural resources and infrastructure. The sustainability features to be incorporated into the Project would include, but not be limited to, reduction of outdoor water use; drip irrigation systems; and water-efficient landscape design including drought tolerant plants. Restroom fixtures would also comply with the City of LA Green Building code which requires a 20-percent reduction in water usage based on the City of LA Plumbing Code. The Project would also use LID techniques to minimize the amount of stormwater that leaves the Project Site.

Land Use Assumptions

At the regional level, the 2020–2045 RTP/SCS is a plan adopted for the purpose of reducing GHGs. In order to assess the Project's potential to conflict with the 2020–2045 RTP/SCS, this SCEA also analyzes the Project's land use assumptions for consistency with those utilized by SCAG in its Sustainable Communities Strategy. Generally, projects are considered consistent with the provisions and general policies of applicable City and regional land use plans and

regulations, such as the 2020–2045 RTP/SCS, if they are compatible with the general intent of the plans and would not preclude the attainment of their primary goals. The Project's consistency with the applicable goals and principles set forth in the 2020–2045 RTP/SCS is discussed under Checklist Section 11, Land Use and Planning, of this SCEA. As shown under Checklist Section 11, the Project is consistent with the goals and principles set forth in the 2020–2045 RTP/SCS.

In sum, the Project is a land use development that is consistent with the RTP/SCS to reduce VMT and expand multi-modal transportation options in order for the region to achieve the GHG reductions from the land use and transportation sectors required by SB 375, which, in turn, advances the State's long term climate policies.[131] By furthering implementation of SB 375, the Project would support regional land use and transportation GHG reductions consistent with state regulatory requirements. Therefore, the Project would be consistent with the GHG reduction-related actions and strategies contained in the 2020–2045 RTP/SCS. Overall, the Project would not conflict with the 2020–2045 RTP/SCS, which is intended to reduce GHG emissions.

City of Los Angeles Sustainable City pLAn/City of LA Green New Deal

The Sustainable City pLAn, a mayoral initiative, includes both short-term and long-term aspirations through the year 2035 in various topic areas, including water, solar power, energy-efficient buildings, carbon and climate leadership, waste and landfills, housing and development, mobility and transit, and air quality, among others. The Sustainable City pLAn provides information as to what the City will do with buildings and infrastructure in their control, and provides specific targets related to housing and development, as well as mobility and transit, including the reduction of VMT per capita and increasing trips made by walking, biking or transit. The Sustainable City pLAn was updated in April 2019 and renamed as L.A.'s Green New Deal. L.A.'s Green New Deal's specific targets, include ensuring 57 percent of new housing units are built within 1,500 feet of transit by 2025 and 75 percent by 2035; reducing VMT per capita by at least 13 percent by 2025, 39 percent by 2035, and 45 percent by 2050; increasing the percentage of all trips made by walking, biking, micro-mobility/matched rides or transit to at least 35 percent by 2025 and 50 percent by 2035 and has established targets such as 100 percent renewable energy by 2045, installation of 10,000 publicly available EV chargers by 2022 and 28,000 by 2028, diversion of 100 percent of waste by 2050, and recycling 100 percent of wastewater by 2035.[132]

Although the Sustainable City pLAn/L.A.'s Green New Deal is not directly applicable to private development projects, the Project would generally be consistent with these aspirations as the Project would concentrate a new residential development within 0.5-mile (walking distance) of the Metro and LADOT bus lines.

In accordance with Ordinance No. 185,480 and LAMC requirements, the Project would also provide bicycle parking spaces to further encourage biking. Furthermore, the Project would comply with CALGreen, implement various project design features to reduce energy usage, and would comply with the City of Los Angeles Solid Waste Management Policy Plan, the RENEW LA Plan, and the Exclusive Franchise System Ordinance (Ordinance No. 182,986) in furtherance

131 As discussed above, SB 375 legislation links regional planning for housing and transportation with the GHG reduction goals outlined in AB 32.

132 City of Los Angeles, L.A.'s Green New Deal, Sustainable City pLAn, 2019 Targets, https://plan.lamayor.org/targets/targets_plan.html, accessed February 21, 2023.

of the aspirations included in the Sustainable City pLAn with regard to energy-efficient buildings and waste and landfills. Moreover, the Project would include all electric appliances in the residential units. Therefore, the Project would be consistent with the Sustainable City pLAn.

In addition, the Project would use LED lighting to minimize use of electricity and would use native and drought-tolerant plant species in the landscaping to minimize water use. The Project Site will provide parking spaces which are electric vehicle (EV) ready and with EV-charging stations to assist in the reduction of GHG emissions from vehicles. Installation of EV-charging stations would also be consistent with the L.A. Green New Deal goal of increasingly publicly available EV charging infrastructure. These EV charging stations would facilitate trips in zero emission vehicles, resulting in a reduction of GHG emissions.[133] Therefore, the Project would be consistent with the Sustainable City pLAn and the L.A. Green New Deal.

Conclusion

In conclusion, the Project would not conflict with the emission reduction measures discussed within CARB's Scoping Plan and subsequent updates, particularly their emphasis on the identification of emission reduction opportunities that promote economic growth while achieving greater energy efficiency and accelerating the transition to a low-carbon economy. In addition, as recommended by CARB's Scoping Plan and updates, the Project would use "green building" features consistent with the CalGreen Building Code.[134] As discussed above, the Project would generate only a small number of new vehicle trips that would not result in any VMT impacts, and would also not conflict with SCAG's 2020–2045 RTP/SCS. Furthermore, as detailed above, the Project would use LED lighting to minimize use of electricity, use native and drought-tolerant plant species in the landscaping to minimize water use, and include EV ready and EV-charging stations to assist in the reduction of GHG emissions from vehicles. Moreover, the Project would include all electric appliances in the residential units. As such, the Project would comply with the Sustainable City pLAn/L.A.'s Green New Deal.

Overall, the Project would not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing GHG emissions. In addition, in the absence of adopted standards and established significance thresholds, and given this consistency, it is concluded that the Project would not generate GHG emissions that may have a significant impact on the environment. Thus, impacts relative to GHG Threshold (a) and GHG Threshold (b) would be less than significant.

Cumulative Impacts

As explained above, the analysis of a project's GHG emissions is inherently a cumulative impacts analysis, because climate change is a global problem, and the emissions from any single project alone would be negligible. Accordingly, the analysis above considered the potential for the Project to contribute to the cumulative impact of global climate change.

The analysis shows that the Project is consistent with CARB's *Climate Change Scoping Plan*, particularly its emphasis on the identification of emission reduction opportunities that promote

133 However, as a conservative assumption, the GHG analysis did not take credit for this reduction.

134 The Project's GHG emissions inventory does not take into account future regulations and legislation to reduce GHG emissions to achieve carbon neutrality by 2045. However, for all the reasons described above, the Project would support the State's goals of Executive Order B-55-18 as well as AB 32 and SB 32 to achieve carbon neutrality by 2045.

economic growth while achieving greater energy efficiency and accelerating the transition to a low-carbon economy. The analysis also shows that the Project would be consistent with the 2020-2045 RTP/SCS, which would serve to reduce regional GHG emissions from the land use and transportation sectors by 2020 and 2035. In addition, the Project would comply with the LA Green Plan, which emphasizes improving energy conservation and energy efficiency, increasing renewable energy generation, and changing transportation and land use patterns to reduce auto dependence.

Furthermore, the Project would generally comply with the aspirations of the City's Air Quality Element and Green New Deal, which includes specific targets related to housing and development, and mobility and transit. Given the Project's consistency with statewide, regional, and local plans adopted for the reduction of GHG emissions, it is concluded that the Project's incremental contribution to greenhouse gas emissions and their effects on climate change would not be cumulatively considerable. For these reasons, the Project's cumulative contribution to global climate change is less than significant.

1.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?	☐	☐	☒	☐
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

This section is based on the following items, which are included as **Appendix H** to this SCEA:

H-1 Phase I Environmental Site Assessment, AEI, October 26, 2023

H-2 Methane Investigation Report, Methane Specialists, May 11, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM HAZ-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to the routine transport, use, or disposal of hazardous materials, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Where the construction or operation of projects involves the transport of hazardous material, provide a written plan of proposed routes of travel demonstrating use of roadways designated for the transport of such materials.

b) Specify Project requirements for interim storage and disposal of hazardous materials during construction and operation. Storage and disposal strategies must be consistent with applicable federal, state, and local statutes and regulations. Specify the appropriate procedures for interim storage and disposal of hazardous materials, anticipated to be required in support of operations and maintenance activities, in conformance with applicable federal, state, and local statutes and regulations, in the business plan for projects as applicable and appropriate.

c) Submit a Hazardous Materials Business/Operations Plan for review and approval by the appropriate local agency. Once approved, keep the plan on file with the Lead Agency (or other appropriate government agency) and update, as applicable. The purpose of the Hazardous Materials Business/Operations Plan is to ensure that employees are adequately trained to handle the materials and provides information to the local fire protection agency should emergency response be required. The Hazardous Materials Business/Operations Plan should include the following:

- The types of hazardous materials or chemicals stored and/or used on-site, such as petroleum fuel products, lubricants, solvents, and cleaning fluids. and ensure notification in the event the Coroner is not available.
- The location of such hazardous materials.
- An emergency response plan including employee training information.
- A plan that describes the way these materials are handled, transported and disposed.

d) Follow manufacturer's recommendations on use, storage, and disposal of chemical products used in construction.

e) Avoid overtopping construction equipment fuel gas tanks.

f) Properly contain and remove grease and oils during routine maintenance of construction equipment.

g) Properly dispose of discarded containers of fuels and other chemicals.

h) Prior to shipment remove the most volatile elements, including flammable natural gas liquids, as feasible.

i) Identify and implement more stringent tank car safety standards.

j) Improve rail transportation route analysis, and modification of routes based on that analysis.

k) Use the best available inspection equipment and protocols and implement positive train control.

l) Reduce train car speeds to 40 miles per hour when passing through urbanized areas of any size.

m) Limit storage of crude oil tank cars in urbanized areas of any size and provide appropriate security in storage yards for all shipments.

n) Notify in advance county and city emergency operations offices of all crude oil shipments, including a contact number that can provide real-time information in the event of an oil train derailment or accident.

o) Report quarterly hazardous commodity flow information, including classification and characterization of materials being transported, to all first response agencies (49 Code Fed. Regs. 15.5) along the mainline rail routes used by trains carrying crude oil identified.

p) Fund training and outfitting emergency response crews that includes the cost of backfilling personnel while in training.

q) Undertake annual emergency responses scenario/field based training including Emergency Operations Center Training activations with local emergency response agencies.

Applicability to the Project

As analyzed below, no significant impacts are anticipated in relation to the creation of a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials in connection with the Project. Regardless, consistent with **PMM HAZ-1**, appropriate hazardous materials management protocols would be implemented at the Project Site to the extent applicable during construction and operation, and the Project would comply with all applicable local, state, and federal laws and regulations relating to environmental protection and the management of hazardous materials. Existing regulations are equal to or more effective than **PMM HAZ-1**. Therefore, **PMM HAZ-1** is not incorporated into the Project.

PMM HAZ-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce hazards related to the reasonably foreseeable upsets and accidents involving the release of hazardous materials, as applicable and feasible. Such measures

may include the following or other comparable measures identified by the Lead Agency:

Require implementation of safety standards regarding transport of hazardous materials, including but not limited to the following:

a) Removal of the most volatile elements, including flammable natural gas liquids, prior to shipment;

b) More stringent tank car safety standards;

c) Improved rail transportation route analysis, and modification of routes based on that analysis;

d) Utilization of the best available inspection equipment and protocols, and implementation of positive train control;

e) Reduced train car speeds to 40 miles per hour when passing through urbanized areas of any size;

f) Limitations on storage of hazardous materials tank cars in urbanized areas of any size and provide appropriate security in storage yards for all shipments;

g) Advance notification to county and city emergency operations offices of all crude oil and hazardous materials shipments, including a contact number that can provide real-time information in the event of an oil train derailment or accident;

h) Quarterly hazardous commodity flow information, including classification and characterization of materials being transported, to all first response agencies (49 Code Fed. Regs. 15.5) along the mainline rail routes used by trains carrying hazardous materials.

Applicability to the Project

As analyzed below, no significant impacts are anticipated in relation to the reasonably foreseeable upsets and accidents involving the release of hazardous materials in connection with the Project. Regardless, consistent with **PMM HAZ-2**, appropriate hazardous materials management protocols would be implemented at the Project Site to the extent applicable during construction and operation, and the Project would comply with all applicable local, state, and federal laws and regulations relating to environmental protection and the management of hazardous materials. Existing regulations are equal to or more effective than **PMM HAZ-2**. Therefore, **PMM HAZ-2** is not incorporated into the Project.

PMM HAZ-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to the release of hazardous materials within 0.25

mile of schools, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Where the construction and operation of projects involves the transport of hazardous materials, avoid transport of such materials within 0.25 mile of schools, when school is in session, wherever feasible.

b) Where it is not feasible to avoid transport of hazardous materials, within 0.25 mile of schools on local streets, provide notifications of the anticipated schedule of transport of such materials.

Applicability to the Project

The Project would not emit or handle hazardous materials in proximity to a school. The Project Site is within 0.25 miles (1,320 feet) of the following schools:

- Little Friends Head Start Pre-School (707 Kensington Road), approximately 500 feet west
- Foundation for Early Childhood Education (1010 Douglas Street), approximately 1,150 feet northwest

However, neither school is located adjacent to the Project Site nor adjacent to the expected haul route using Sunset Boulevard, Figueroa Street, and Temple Street to the US-101 Freeway. Thus, no trucks are expected to pass nearby the schools.

The types and amounts of hazardous materials that would be used in connection with the Project would be typical of those used during construction of residential and commercial developments, including vehicle fuels, paints, oils, and transmission fluids. Similarly, the types and amounts of hazardous materials used during operation of the proposed uses would be typical of such developments and would include cleaning solvents, pesticides for landscaping, painting supplies, and petroleum products. Therefore, the types of potentially hazardous materials that would be used in connection with the Project would be consistent with other potentially hazardous materials currently used in the vicinity of the Project Site. In addition, the Project would not involve the use or handling of acutely hazardous materials, substances, or waste. Furthermore, all materials used during both the construction and operation of the Project would be used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations. As such, **PMM HAZ-3** is not applicable to the Project.

PMM HAZ-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to projects that are located on a site which is included on the Cortese List, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) For any listed sites or sites that have the potential for residual hazardous materials as a result of historic land uses, complete a Phase

I Environmental Site Assessment, including a review and consideration of data from all known databases of contaminated sites, during the process of planning, environmental clearance, and construction for projects.

b) Where warranted due to the known presence of contaminated materials, submit to the appropriate agency responsible for hazardous materials/wastes oversight a Phase II Environmental Site Assessment report if warranted by a Phase I report for the project site. The reports should make recommendations for remedial action, if appropriate, and be signed by a Registered Environmental Assessor, Professional Geologist, or Professional Engineer.

c) Implement the recommendations provided in the Phase II Environmental Site Assessment report, where such a report was determined to be necessary for the construction or operation of the project, for remedial action.

d) Submit a copy of all applicable documentation required by local, state, and federal environmental regulatory agencies, including but not limited to: permit applications, Phase I and II Environmental Site Assessments, human health and ecological risk assessments, remedial action plans, risk management plans, soil management plans, and groundwater management plans.

e) Conduct soil sampling and chemical analyses of samples, consistent with the protocols established by the U.S. EPA to determine the extent of potential contamination beneath all underground storage tanks (USTs), elevator shafts, clarifiers, and subsurface hydraulic lifts when on-site demolition or construction activities would potentially affect a particular development or building.

f) Consult with the appropriate local, state, and federal environmental regulatory agencies to ensure sufficient minimization of risk to human health and environmental resources, both during and after construction, posed by soil contamination, groundwater contamination, or other surface hazards including, but not limited to, underground storage tanks, fuel distribution lines, waste pits and sumps.

g) Obtain and submit written evidence of approval for any remedial action if required by a local, state, or federal environmental regulatory agency.

h) Cease work if soil, groundwater, or other environmental medium with suspected contamination is encountered unexpectedly during construction activities (e.g., identified by odor or visual staining, or if any underground storage tanks, abandoned drums, or other hazardous materials or wastes are encountered), in the vicinity of the suspect material. Secure the area as necessary and take all appropriate

measures to protect human health and the environment, including but not limited to, notification of regulatory agencies and identification of the nature and extent of contamination. Stop work in the areas affected until the measures have been implemented consistent with the guidance of the appropriate regulatory oversight authority.

i) Soil generated by construction activities should be stockpiled on-site in a secure and safe manner. All contaminated soils determined to be hazardous or non-hazardous waste must be adequately profiled (sampled) prior to acceptable reuse or disposal at an appropriate off-site facility. Complete sampling and handling and transport procedures for reuse or disposal, in accordance with applicable local, state and federal laws and policies.

j) Groundwater pumped from the subsurface should be contained on-site in a secure and safe manner, prior to treatment and disposal, to ensure environmental and health issues are resolved pursuant to applicable laws and policies. Utilize engineering controls, which include impermeable barriers to prohibit groundwater and vapor intrusion into the building.

k) As needed and appropriate, prior to issuance of any demolition, grading, or building permit, submit for review and approval by the Lead Agency (or other appropriate government agency) written verification that the appropriate federal, state and/or local oversight authorities, including but not limited to the Regional Water Quality Control Board (RWQCB), have granted all required clearances and confirmed that the all applicable standards, regulations, and conditions have been met for previous contamination at the site.

l) Develop, train, and implement appropriate worker awareness and protective measures to assure that worker and public exposure is minimized to an acceptable level and to prevent any further environmental contamination as a result of construction.

m) If asbestos-containing materials (ACM) are found to be present in building materials to be removed, submit specifications signed by a certified asbestos consultant for the removal, encapsulation, or enclosure of the identified ACM in accordance with all applicable laws and regulations, including but not necessarily limited to: California Code of Regulations, Title 8; Business and Professions Code; Division 3; California Health and Safety Code Section 25915-25919.7; and other local regulations.

n) Where projects include the demolitions or modification of buildings constructed prior to 1978, complete an assessment for the potential presence or lack thereof of ACM, lead based paint, and any other

building materials or stored materials classified as hazardous waste by state or federal law.

o) Where the remediation of lead-based paint has been determined to be required, provide specifications to the appropriate agency, signed by a certified Lead Supervisor, Project Monitor, or Project Designer for the stabilization and/or removal of the identified lead paint in accordance with all applicable laws and regulations, including but not necessarily limited to: California Occupational Safety and Health Administration's (Cal OSHA's) Construction Lead Standard, Title 8 California Code of Regulations (CCR) Section 1532.1 and Department of Health Services (DHS) Regulation 17 CCR Sections 35001–36100, as may be amended. If other materials classified as hazardous waste by state or federal law are present, the project sponsor should submit written confirmation to the appropriate local agency that all state and federal laws and regulations should be followed when profiling, handling, treating, transporting, and/or disposing of such materials.

Applicability to the Project

Consistent with **PMM HAZ-4**, a Phase I ESA was prepared for the Project. Based on the findings of the Phase I ESA, and also consistent with **PMM HAZ-4**, the Project would implement **Mitigation Measure MM-HAZ-1**, pertaining to the development and implementation of a Soil Management Plan (SMP), which would ensure that potential impacts would be reduced to less than significant levels. Furthermore, the Project would implement all applicable hazardous materials management protocols and would comply with all applicable local, state, and federal laws and regulations relating to environmental protection and the management of hazardous materials. Regulatory compliance and incorporation of Project-specific mitigation measure would be more effective than **PMM HAZ-4**, and as such, **PMM HAZ-4** would not be incorporated as part of the Project.

PMM HAZ-5: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects which may impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Continue to coordinate locally and regionally based on ongoing review and integration of projected transportation and circulation conditions.

b) Develop new methods of conveying projected and real time information to citizens using emerging electronic communication tools including social media and cellular networks;

c) Continue to evaluate lifeline routes for movement of emergency supplies and evacuation

Applicability to the Project

Consistent with this measure, the Project would implement **Project Design Feature PDF-TRAN-1**, which, consistent with current and standard City policy, would require the preparation and City approval of a Construction Traffic Management Plan to ensure that adequate emergency access is maintained during construction of the Project. **Project Design Feature PDF-TRAN-1** is equal to or more effective than the measures identified in **PMM HAZ-5**. As such, **PMM HAZ-5** would not be incorporated as part of the Project.

Impact Analysis

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact.

Construction

The Project would not involve the routine (long-term) transport of hazardous materials to and from the Project Site during construction. During demolition, site preparation, on-site grading, and building construction, hazardous materials such as fuel and oils associated with construction equipment, as well as coatings, paints, adhesives, and caustic or acidic cleaners could be routinely used on the Project Site. While some hazardous materials used during construction could require disposal, such activity would occur only for the duration of construction and would cease upon completion of the Project.

In addition, all potentially hazardous materials to be used during construction of the Project would be used and disposed of in accordance with manufacturers' specifications and instructions, thereby reducing the risk of hazardous materials use. Construction of the Project would also comply with all applicable federal, state, and local requirements concerning the use, storage, and management of hazardous materials. Consequently, Project construction activities would not create a significant hazard to the public or the environment through the use of hazardous materials during construction.

Therefore, impacts related to the routine transport, use, or disposal of hazardous materials during construction would be less than significant.

Operation

Operation of the Project would involve the routine use of small quantities of potentially hazardous materials typical of those used in residential and commercial uses, including cleaning products, paints, and those used for maintenance of landscaping. In addition, as with Project construction, all hazardous materials used on the Project Site during operation would be used, stored, and disposed of in accordance with all applicable federal, state and local requirements. Due to the type of development proposed (e.g., residential and commercial uses), operation of the Project would not involve the routine transport of hazardous materials to and from the Project Site.

Therefore, with compliance with manufacturer's standards and all applicable local, state, and federal laws and regulations relating to environmental protection and the management of

hazardous materials, the Project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials, and impacts would be less than significant.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant With Mitigation Incorporated. As concluded in the Phase I ESA prepared for the Project, with adherence to regulatory requirements and implementation of **Mitigation Measure MM-HAZ-1**, construction and operation of the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset or accidents conditions involving the release of hazardous materials into the environment.

The Phase I ESA included historical site utilization research and a site reconnaissance to identify potential on-site hazards. The current and past land uses within the Project Site were identified as part of the Phase I ESA to assess their potential to present concerns relative to the presence of hazards within the Project Site. These concerns are classified below:

- Recognized Environmental Condition (REC) is defined by the current ASTM Standard E1527 as the (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- Controlled Recognized Environmental Condition (CREC) is defined by the current ASTM Standard E1527 as a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

- Historical Recognized Environmental Condition (HREC) is defined by the current ASTM Standard E1527 as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the current ASTM Standard E1527. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property. A de minimis condition is defined by the ASTM Standard as a condition that generally does not present a threat to human health or the environment and that generally

would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

As discussed in the Phase I ESA, the Project Site was developed with a gas station (1925-1976), auto repair (1929-2013), chemical disinfected manufacturing (1950-1954), and other uses. In 2013, a Phase II investigation was conducted at the Project Site that included 17 borings for collection of soil and groundwater samples. No detectible levels of either volatile organic compounds (VOCs) or total petroleum hydrocarbons (TPH) were identified in any of the samples; however, five underground storage tanks (USTs) were identified at the location of the former gas station, as well as a sump and two clarifiers. In 2022, these five USTs, sump, one of the two clarifiers (no documentation of the removal of the second clarifier has been provided), and associated soils were removed from the Site under the supervision of the Los Angeles Fire Department (LAFD). Additional soil sampling was conducted at multiple locations following the removal of these subsurface features and associated soil, and while trace amounts of TPH were detected adjacent to two of the former UST locations, the detected levels were far below LAFD's regulatory minimum action level. Accordingly, LAFD issued a no further action (NFA) letter for the Site. By 2023, the entire Site is vacant.

Construction

Hazardous Waste Generation, Handling, and Disposal

As discussed above, during Project demolition, grading/excavation, and building, hazardous materials such as fuel and oils associated with construction equipment, as well as coatings, paints, adhesives, and cleaners would be routinely used on the Project Site. However, all potentially hazardous materials used during construction of the Project would be used and disposed of in accordance with manufacturers' specifications and instructions, thereby reducing the risk of hazardous materials use. In addition, the Project would comply with all applicable federal, state, and local requirements concerning the use, storage, and management of hazardous materials. As such, Project construction activities would not create or exacerbate a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of potentially hazardous materials.

Risk of Upset from Recognized Environmental Conditions and Other Site Conditions

The Phase I ESA did not identify any RECs or CRECs, but did identify an HREC and OEC:

HREC:

- As noted above, the Project Site was previously developed with a gas station (1925-1976), auto repair (1929-2013), chemical disinfected manufacturing (1950-1954), and other uses. A Phase II investigation was conducted at the property in 2013 and borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. The borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property; However, VOCs and TPH were not detected in connection with this investigation. Due to the lack of a release detected, the historical on-site industrial operations represent a HREC.

OEC:

- As described above, the Project Site was previously occupied by various automobile and industrial uses. In addition, as described in the Phase I ESA, prior observations of the Project Site indicated the former presence of a hydraulic lift, which may have been installed in the mid-1960s, and could have potentially contained polychlorinated biphenyls. However, this lift was removed some time ago, and based on the lack of contamination found during prior soil and groundwater sampling, this is not considered a significant environmental concern. As also noted above, the Phase I ESA recommends that a Soil Management Plan (SMP) be implemented prior to and redevelopment of the subject property in order to address any unknown issues or unidentified subsurface features that may be discovered during future construction activities.

- According to ZIMAS, the subject property is located near significant oil production areas known as "Methane Zones". Methane Zone sites include properties immediately surrounding gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Due to the potential environmental risk associated with construction in Methane Zones, the property owner is required to conduct a methane assessment prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

Based on the above, in addition to compliance with regulatory requirements, **Mitigation Measure MM-HAZ-1**, which addresses specific site conditions, would be implemented to further ensure that the Project would not exacerbate the risk of upset associated with site conditions.

Oil Wells

The Project Site is located within the LA City Oil Field, which is one of 25 city designated major oil drilling areas. This designation is a broad swath of land generally from Vermont Avenue in the west to the I-110 Freeway to the east, and from Third Street and Dodger Stadium area in the north to Wilshire Boulevard in the south.[135]

According to California Department of Conservation maps, no oil wells exist on the Project Site.[136] The nearest wells (API 03725883, API 03725884, and API 03725886) are identified as Buried-Idle and were located two blocks south of the Site at the corner of Sunset Boulevard and Bellevue Avenue.

Much of the area identified has been developed with structures and is inaccessible for mining extraction. Furthermore, the Site is surrounded by dense urban uses, hilly roads, and sensitive

135 Geotechnical, Oil/Gas Fields layer, https://navigatela.lacity.org/navigatela/, accessed October 5, 2023.

136 California Department of Conservation Wellfinder map: https://maps.conservation.ca.gov/doggr/wellfinder/, accessed October 5, 2023.

residential receptors. Therefore, the Project would not exacerbate environmental hazards relative to oil wells.

Methane

As noted above, the Project Site is located within a Methane Zone.[137]

Due to the potential environmental risk associated with construction in Methane Zones, the property owner is required to conduct a methane assessment prior to the redevelopment of the Site (Division 71 of the Los Angeles Building Code).

In March 2004, Ordinance Number 175,790 was adopted into the LAMC (Section 91.106.4.1 and Division 71, Chapter IX) to establish city-wide methane mitigation requirements, and included updated construction standards to control methane intrusion into buildings. This ordinance established defined geographic areas as Methane Zones and Methane Buffer Zones, which relate to specific assessment and mitigation requirements per area and set forth a standard of assessment and mitigation in the planning stages of all new construction in these areas.

The LADBS Methane Standard Plan provides a guide in the development of a site-specific plan. The Site will fall into one of five methane mitigation design levels identified as Levels I through V. As on-site methane concentrations increase, so do the requirements needed to reduce the dangers of methane intrusion to a less than significant level. There is a direct relationship between project zoning, test results, and the final design. Once the methane level is determined, the methane mitigation requirements can be implemented into the building design, under the permit and approval of LABDS and LAFD.[138]

A methane investigation was conducted in March 2013 and updated on May 11, 2023 to measure subsurface soil gas concentrations and pressures of methane at the Site and to determine site-specific methane mitigation requirements prescribed by the City's Department of Building and Safety. The methane was measured at greater than one percent of the Lower Explosive Limit (LEL) of methane at the Site. Therefore the Project falls under Design Level II, with less than 2 inches of water-column gas-pressure. Thus, per the Methane Code Table 1A, the Project does require a passive methane mitigation system. This is a regulatory process. As a result of compliance with the City's methane ordinance, impacts associated with causing upset conditions or exacerbation by the Project of existing methane in the environment would be less than significant.

Operation

Hazardous Waste Generation, Handling, and Disposal

Operation of the Project would involve the routine use of small quantities of potentially hazardous materials typical of residential and commercial uses, including cleaning products, paints, and those used for landscape maintenance. All hazardous materials present on the Project Site during operation would be used, stored, and disposed of in accordance with manufacturer's standards

[137] http://zimas.lacity.org, accessed August 7, 2023

[138] https://www.ladbs.org/services/core-services/plan-check-permit/methane-mitigation-standards

and all applicable federal, State, and local requirements, such as Federal Resource Conservation and Recovery Act and California Hazardous Waste Control Law and Federal Occupational Safety and Health Act and California Occupational Safety and Health Act. Therefore, with compliance with manufacturer's standards and all applicable local, state, and federal laws and regulations relating to environmental protection and the management of hazardous materials, impacts associated with the routine transport, use, or disposal of hazardous materials during operation of the Project would be less than significant.

Risk of Upset from Recognized Environmental Conditions and Other Site Conditions

The Project would adhere to applicable regulatory requirements pertaining to the use of hazardous materials, including the maintenance of required inspection logs, manifests, and records. Thus, operation of the Project would not exacerbate the risk of upset and accident conditions associated with RECs and other site conditions.

Underground and Aboveground Storage Tanks

The Project does not propose the installation of USTs or ASTs. As such, operation of the Project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.

Asbestos-Containing Materials

Development of the Project would include the use of commercially-sold construction materials that would not include asbestos or ACMs. Therefore, Project operation is not anticipated to increase the occurrence of or exposure to friable asbestos or ACMs at the Project Site.

Lead-Based Paint

Development of the Project would include the use of commercially-sold construction materials that would not include LBP. Therefore, Project operation is not anticipated to increase the occurrence of or exposure to LBP at the Project Site.

Polychlorinated Biphenyls

In accordance with existing regulations that ban the manufacture of PCBs, the new electrical systems to be installed as part of the Project would not contain PCBs. Therefore, during operation of the Project, maintenance of such electrical systems would not expose people to PCBs, and operation of the Project would not expose people to any risk resulting from the release of PCBs into the environment.

Oil Wells and Methane

The Project does not include the installation of new oil wells. As such, operation of the Project would not exacerbate the risk of upset and accident conditions associated with operation or re-abandonment of oil wells. Thus, operation of the Project would not exacerbate environmental hazards relative to oil wells or methane.

Mitigation Measure

MM-HAZ-1: Soil Management Plan

A Soil Management Plan (SMP) will be developed and implemented to ensure any on-site contaminated soil is properly disposed of at an appropriate, permitted disposal or treatment facility, and that any previously unidentified subsurface features discovered during ground-disturbing activities be handled and disposed of in compliance with all applicable regulatory requirements. The SMP shall be submitted to the City of Los Angeles Department of Building and Safety for review and approval prior to the commencement of excavation and grading activities.

Based on the above, with adherence to regulatory requirements and implementation of Project **Mitigation Measure MM-HAZ-1**, construction and operation of the Project would not exacerbate the risk of upset and accident conditions associated with the release of hazardous materials into the environment. Therefore, impacts associated with hazardous waste generation, handling, and disposal during construction and operation of the Project would be less than significant with mitigation.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact. The Project Site is within 0.25 miles (1,320 feet) of the following schools:

- Little Friends Head Start Pre-School (707 Kensington Road), approximately 500 feet west
- Foundation for Early Childhood Education (1010 Douglas Street), approximately 1,150 feet northwest

However, neither school is located adjacent to the Project Site nor adjacent to the expected haul route using Sunset Boulevard, Figueroa Street, and Temple Street to the US-101 Freeway. Thus, no trucks are expected to pass nearby the schools.

The types and amounts of hazardous materials that would be used in connection with the Project would be typical of those used during construction of residential and commercial developments, including vehicle fuels, paints, oils, and transmission fluids. Similarly, the types and amounts of hazardous materials used during operation of the proposed uses would be typical of such developments and would include cleaning solvents, pesticides for landscaping, painting supplies, and petroleum products.

Therefore, the types of potentially hazardous materials that would be used in connection with the Project would be consistent with other potentially hazardous materials currently used in the vicinity of the Project Site. In addition, the Project would not involve the use or handling of acutely hazardous materials, substances, or waste. Furthermore, all materials used during both the

construction and operation of the Project would be used in accordance with manufacturers' instructions and handled in compliance with applicable standards and regulations.

As such, the use of such materials would not create a significant hazard to nearby schools, and impacts would be less than significant.

d) Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment?

Less Than Significant Impact. Section 65962.5 of the California Government Code requires the California Environmental Protection Agency (CalEPA) to develop and update annually the Cortese List, which is a "list" of hazardous waste sites and other contaminated sites. While Section 65962.5 makes reference to the preparation of a "list," many changes have occurred related to web-based information access since 1992 and information regarding the Cortese List is now compiled on the websites of multiple agencies including the Department of Toxic Substances Control (DTSC), the State Water Resources Control Board (SWRCB), and CalEPA.

The Phase I ESA for the Project Site obtained a database search report from Environmental Data Resources, Inc. (EDR). The report documents findings of various federal, state, and local regulatory database searches regarding properties with known or suspected releases of hazardous materials or petroleum hydrocarbons. These findings are summarized below.

- 1185, 1187 Sunset Boulevard was identified on the standard environmental government sources, including RCRA NONGEN/NLR, HAZMAT, FINDS, ECHO, EDR HIST AUTO, HWTS, HAZNET, CERS HAZ WASTE. Aragon Properties Corp is listed on the RCRA NONGEN/NLR database as no longer generating hazardous waste as of May 3, 2022. The NAICS description was listed as "other building equipment contractors." There were no violations and the types of hazardous wastes generated were not reported. The HAZMAT listing was marked as inactive in 2022. According to EDR HIST AUTO, this site was occupied by a gas station from 1969 to 1979 and an auto shop from 1994 to 2014. A HWTS listing for O&J Auto was created in 2006 and marked as inactive in 2011. A HWTS listing for O&J Auto was created and marked as inactive in 2002. The NAICS description was listed as general automotive repair. One violation was listed on CalEPA, however the nature of the violation was not described. The HWTS listing for B&F Auto Repair was created in 2013 and marked as inactive in 2015.

- 1229 Sunset Boulevard was identified on FINDS, HAZMAT. The last "run date" was listed as November 1, 2022 and the facility status was listed as "inactive." The SIC code was listed as "lumber and other building materials dealers." No other significant information was provided. Based on the nature of occupation and lack of a documented release, this site is not expected to represent a significant environmental concern.

- 1211 Sunset Boulevard was identified on EDR HIST AUTO. According to EDR HIST AUTO, this site was occupied by an auto shop and gas station in 1929. No other significant information was provided.

- 1181 Sunset Boulevard was identified on EDR HIST AUTO. According to EDR HIST AUTO, this site was occupied by a gas station in 1942. No other significant information was provided.

None of the above database listings are associated with hazardous materials sites compiled pursuant to Government Code Section 65962.5. Based on the above analyses, while the Project is identified on standard government sources that monitor hazardous materials, conditions on the Project Site would not create a significant hazard to the public or the environment, and impacts would be less than significant.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Project Site is not located within the vicinity of a private airstrip or an airport land use plan. The nearest airports are Los Angeles International Airport (LAX) located 11 miles southwest, Santa Monica Airport located 11.5 miles west, Hollywood-Burbank Airport located 10.5 miles northwest. Thus, the Project would not expose people residing or working in the project area to excessive airport-related noise levels.

Therefore, the Project would not have the potential to exacerbate current environmental conditions that would result in a safety hazard or excessive noise. No impact would occur.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. While it is expected that the majority of construction activities for the Project would be confined to the Project Site, limited off-site construction activities may occur in adjacent street rights-of-way during certain periods of the day, which could potentially require temporary lane closures. However, if lane closures are necessary, the remaining travel lanes would be maintained in accordance with the Project's Construction Traffic Management Plan, as outlined in **Project Design Feature PDF-TRAN-1** below.

The Construction Traffic Management Plan would ensure that adequate emergency access is maintained and that through-access for drivers, including emergency personnel, along all roads would still be provided during construction. Operation of the Project would generate traffic in the Project vicinity and would result in some modifications to site access. However, the Project would comply with LAFD access requirements and would not impede emergency access to and in the Project Site vicinity.

Therefore, the construction and operation of the Project would not cause an impediment along the City's designated disaster routes or impair the implementation of the City's emergency response plan, and impacts would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. The Project Site is located in an urbanized area without wildlands in its vicinity. The Very High Fire Hazard Severity Zone (VHFHSZ) was first established in the City of Los Angeles in 1999 and replaced the older "Mountain Fire District" and "Buffer Zone" of the Los Angeles General Plan Safety Element.

In addition, the Project Site is not located within a City-designated VHFHSZ.[139] Furthermore, the Project would be developed in accordance with LAMC requirements pertaining to fire safety. In addition, the proposed residential uses would not create a fire hazard that has the potential to exacerbate the current environmental condition relative to wildfires.

Therefore, Project construction and operation would not expose people or structures, directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires, and no impacts would occur.

Cumulative Impacts

Less Than Significant Impact. There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[140]

Development of the Project in combination with the nine Related Projects has the potential to increase the risk of an accidental release of hazardous materials. However, each of the Related Projects would be required to comply with all applicable local, state, and federal laws, rules and regulations pertaining to the use, storage, and/or transport of hazardous materials, as discussed above for the Project. Furthermore, each Related Project would be required to be evaluated for project-specific hazardous risks. Because environmental safety issues are largely site-specific, this evaluation would occur on a case-by-case basis for each individual project affected, in conjunction with development proposals on these properties.

Therefore, with full compliance with all applicable local, state, and federal laws, rules and regulations, as well as implementation of site-specific recommendations for the Related Projects and the Project, significant cumulative impacts related to hazards and hazardous materials would not occur. As such, the Project's contribution would not be cumulatively considerable, and cumulative impacts would be less than significant.

139 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

140 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

1.10 Hydrology and Water Quality

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i. Result in substantial erosion or siltation on or off-site;	☐	☐	☒	☐
ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off-site;	☐	☐	☒	☐
iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv. impede or redirect flood flows?	☐	☐	☐	☒
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM HYD-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects from violation of any water quality standards or waste

discharge requirements or otherwise substantially degrade surface or groundwater quality, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Complete, and have approved, a Stormwater Pollution Prevention Plan (SWPPP) prior to initiation of construction.

b) Implement Best Management Practices to reduce the peak stormwater runoff from the project site to the maximum extent practicable.

c) Comply with the Caltrans storm water discharge permit as applicable; and identify and implement Best Management Practices to manage site erosion, wash water runoff, and spill control.

d) Complete, and have approved, a Standard Urban Stormwater Management Plan, prior to occupancy of residential or commercial structures.

e) Ensure adequate capacity of the surrounding stormwater system to support stormwater runoff from new or rehabilitated structures or buildings.

f) Prior to construction within an area subject to Section 404 of the Clean Water Act, obtain all required permit approvals and certifications for construction within the vicinity of a watercourse:

g) Where feasible, restore or expand riparian areas such that there is no net loss of impervious surface as a result of the project.

h) Install structural water quality control features, such as drainage channels, detention basins, oil and grease traps, filter systems, and vegetated buffers to prevent pollution of adjacent water resources by polluted runoff where required by applicable urban storm water runoff discharge permits, on new facilities.

i) Provide operational best management practices for street cleaning, litter control, and catch basin cleaning are implemented to prevent water quality degradation in compliance with applicable storm water runoff discharge permits; and ensure treatment controls are in place as early as possible, such as during the acquisition process for rights-of-way, not just later during the facilities design and construction phase.

j) Comply with applicable municipal separate storm sewer system discharge permits as well as Caltrans' storm water discharge permit including long-term sediment control and drainage of roadway runoff.

k) Incorporate as appropriate treatment and control features such as detention basins, infiltration strips, and porous paving, other features to control surface runoff and facilitate groundwater recharge into the design of new transportation projects early on in the process to ensure that adequate acreage and elevation contours are provided during the right-of-way acquisition process.

l) Upgrade stormwater drainage facilities to accommodate any increased runoff volumes. These upgrades may include the construction of detention basins or structures that will delay peak flows and reduce flow velocities, including expansion and restoration of wetlands and riparian buffer areas. System designs shall be completed to eliminate increases in peak flow rates from current levels.

m) Encourage Low Impact Development (LID) and incorporation of natural spaces that reduce, treat, infiltrate and manage stormwater runoff flows in all new developments, where practical and feasible.

Applicability to the Project

Consistent with **PMM HYD-1**, and as described below, the Project would comply with applicable state, regional, and City policies and regulations (e.g., General Construction Permit, MS4 permit, CWA, City stormwater ordinances) related to stormwater runoff and water quality. Conformance with applicable regulations would be ensured during the City's building permit plan review and approval process for the Project. Compliance with these regulatory requirements, which are equal to or more effective than **PMM HYD-1**, would ensure that the Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality. Therefore, **PMM HYD-1** would not be incorporated as part of the Project.

PMM HYD-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects from violation of any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Avoid designs that require continual dewatering where feasible.

For projects requiring continual dewatering facilities, implement monitoring systems and long-term administrative procedures to ensure proper water management that prevents degrading of surface water and minimizes adverse impacts on groundwater for the life of the project, Construction designs shall comply with appropriate building codes and standard practices including the Uniform Building Code.

a) Maximize, where practical and feasible, permeable surface area in existing urbanized areas to protect water quality, reduce flooding, allow for groundwater recharge, and preserve wildlife habitat. Minimize new impervious surfaces, including the use of in-lieu fees and off-site mitigation.

b) Avoid construction and siting on groundwater recharge areas, to prevent conversion of those areas to impervious surface.

c) Reduce hardscape to the extent feasible to facilitate groundwater recharge as appropriate.

Applicability to the Project

Consistent with **PMM HYD-2**, should the Project require temporary or permanent dewatering, it would be conducted in compliance with all applicable regulatory requirements regarding water quality. These regulatory compliance measures would be equal to or more effective than Mitigation Measure **PMM HYD-2**. Thus, **PMM HYD-2** is not applicable to the Project.

PMM HYD-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures capable of avoiding or reducing the potential impacts of locating structures that would impede or redirect flood flows, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Ensure that all roadbeds for new highway and rail facilities be elevated at least one foot above the 100-year base flood elevation. Since alluvial fan flooding is not often identified on FEMA flood maps, the risk of alluvial fan flooding should be evaluated and projects should be sited to avoid alluvial fan flooding. Delineation of floodplains and alluvial fan boundaries should attempt to account for future hydrologic changes caused by global climate change.

Applicability to the Project

As discussed below, the Project Site is not located in a flood zone and would not impede or redirect flood flows. Therefore, **PMM HYD-3** is not applicable to the Project.

Impact Analysis

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less Than Significant Impact. As demonstrated by the following analysis, the Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality.

Surface Water Quality

Construction

During Project construction, particularly during the grading phase, stormwater runoff from precipitation events could cause exposed and stockpiled soils to be subject to erosion and convey sediments into municipal storm drain systems. In addition, on-site watering activities to reduce airborne dust could contribute to pollutant loading in runoff. Pollutant discharges relating to the storage, handling, use and disposal of chemicals, adhesives, coatings, lubricants, and fuel could also occur. As Project construction would disturb more than one acre of soil, the Project would be required to retain coverage under the NPDES General Construction stormwater permit. In accordance with the requirements of this permit, the Project would implement a Stormwater Pollution Prevention Plan (SWPPP) with the State, which would specify BMPs and erosion control measures to be used during construction of the Project to manage runoff flows and prevent pollution.

The Project would be required by the City of Los Angeles to put in place an erosion control plan for the full duration of Project construction activities. The NPDES and SWPPP measures would be designed to contain and treat, as necessary, stormwater and construction watering for dust reduction on the Project Site to prevent runoff from impacting off-site drainage facilities or receiving waters. BMPs could include, but not be limited to, sandbag barriers, inlet protection, regular street sweeping, controlled entrance/exit with rumble plates, dust control, and designated staging areas for materials and equipment.

Site-specific BMPs, which will be implemented when construction commences, prior to site clearing and grubbing or demolition activities, would reduce or eliminate the discharge of potential pollutants from stormwater runoff. In addition, Project construction activities would occur in accordance with City grading permit regulations (Chapter IX, Division 70 of the LAMC), such as the preparation of an erosion control plan, to reduce the effects of sedimentation and erosion. Therefore, with compliance with NPDES requirements, including site-specific BMPs, and City grading regulations, construction of the Project would not violate any water quality standard or waste discharge requirements or otherwise substantially degrade surface water quality. Furthermore, construction of the Project would not result in discharges that would cause regulatory standards to be violated. Thus, temporary construction-related impacts on surface water quality would be less than significant.

Operation

Under the City's LID Ordinance, post-construction stormwater runoff from new projects must be infiltrated, evapotranspirated, captured and used, and/or treated through high efficiency BMPs on-site for at least the volume of water produced by the greater of the 85th percentile storm event or the 0.75-inch storm event (i.e., "first flush"). Consistent with LID requirements to reduce the quantity and improve the quality of rainfall runoff that leaves the Project Site, the Project would include the installation of building roof drain downspouts, catch basins, and planter drains throughout the Project Site. The installed BMP systems will be designed with an internal bypass overflow system to prevent upstream flooding during major storm events. As the majority of potential contaminants are anticipated to be contained within the "first flush" 85th percentile storm event, major storms are not anticipated to cause an exceedance of regulatory standards.

As is typical of most urban existing uses and proposed developments, stormwater runoff from the Project Site has the potential to introduce pollutants into the stormwater system. Anticipated and potential pollutants generated by the Project include sediment, trash, bacteria, nutrients, organics, pesticides, and metals.

The implementation of BMPs as required by the City's LID Ordinance would target these pollutants that could potentially be carried in stormwater runoff. Therefore, with the incorporation of LID BMPs, operation of the Project would not result in discharges that would violate any surface water quality standards or waste discharge requirements. Thus, impacts to surface water quality during operation of the Project would be less than significant.

Groundwater Quality

Construction

Construction activities for the Project would include grading and excavation to a depth of up to 62 feet for the subterranean level, foundation elements, and grading of soils for the worse-case under the descending slope in the northeast corner of the Site.[141] As provided in the Updated Geotechnical Engineering Investigation included as **Appendix F-1** of this SCEA, groundwater was encountered in all the borings drilled along Sunset Boulevard. Seepage occurred at depth of 9.3 feet to 24 feet.

Thus, Project construction activities could potentially encounter groundwater during excavation of the subterranean parking levels, which could require dewatering. Dewatering operations are practices that discharge non-stormwater, such as groundwater, that must be removed from a work location and discharged into the storm drain system to proceed with construction. Discharges from dewatering operations can contain high levels of fine sediments, which, if not properly treated, could lead to exceedance of the NPDES requirements. If groundwater is encountered during construction, temporary pumps and filtration would be utilized in compliance with all relevant NPDES requirements related to construction and discharges from dewatering operations. Furthermore, if dewatering is required, the treatment and disposal of the dewatered water would occur in accordance with the Los Angeles Regional Water Quality Control Board (LARWQCB) Waste Discharge Requirements for Discharges of Groundwater from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties.

Other potential effects to groundwater quality could result from removal of soil. Moreover, all proposed soil removal from the Project Site would be performed pursuant to a SMP required by **Mitigation Measure MM-HAZ-1**. Therefore, soils would not pose a significant hazard on groundwater quality.

There are also risks associated with contaminated soil impacting groundwater quality. In the event contaminated soils are encountered during construction, the nature and extent of the contamination would be determined and appropriate handling, disposal, and/or treatment would be implemented in accordance with applicable regulatory requirements, including SCAQMD Rule 1166, as well as removal and handling protocols identified in the SMP required by **Mitigation**

141 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

Measure MM-HAZ-1. Therefore, compliance with existing regulations and applicable mitigation measures would ensure the Project would not create a significant hazard to groundwater quality associated with potentially contaminated soil.

As previously discussed, during on-site grading and building construction, hazardous materials, such as fuels, oils, paints, solvents, and concrete additives, could be used and would therefore require proper management and, in some cases, disposal. The management of any resultant hazardous wastes could increase the potential for hazardous materials to be released into groundwater. Compliance with all applicable federal, state, and local requirements concerning the handling, storage and disposal of hazardous waste would reduce the potential for the construction of the Project to release contaminants into groundwater. In addition, as there are no existing groundwater production wells or public water supply wells nearby the Project Site, construction activities would not be anticipated to affect existing wells.

Based on the above, construction of the Project would not result in discharges that would violate any groundwater quality standard or waste discharge requirements. Therefore, construction-related impacts on groundwater quality would be less than significant.

Operation

Operational activities that could affect groundwater quality include spills of hazardous materials. Surface spills from the handling of hazardous materials most often involve small quantities and are cleaned up in a timely manner, thereby resulting in little threat to groundwater.

The Project would also comply with all applicable existing regulations that would prevent the Project from affecting or expanding any potential areas of contamination, increasing the level of contamination, or causing regulatory water quality standards at an existing production well to be violated, as defined in the California Code of Regulations, Title 22, Division 4, Chapter 15 and the Safe Drinking Water Act.

Furthermore, as previously discussed, the Project would implement a SMP required by **Mitigation Measure MM-HAZ-1** to ensure all on-site contaminated soil is properly disposed of. Therefore, operation of the Project would not result in discharges that would violate any groundwater quality standard or waste discharge requirements.

As described above, the Project would include the installation of LID BMPs to treat and dispose of the volume of water produced by the greater of the 85th percentile storm or the 0.75-inch storm event prior to discharging the streets in the public right-of-way. The Project also does not include the installation or operation of water wells, or any extraction or recharge system. Therefore, operation of the Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade ground water quality, and impacts will be less than significant.

Overall, as analyzed above, the construction or operation of the Project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality. Thus, impacts would be less than significant.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less Than Significant Impact. No water supply wells are located at the Project Site that could be impacted by construction, nor would the Project include the construction of water supply wells.

Construction activities for the Project would include grading and excavation to a depth of up to 62 feet for the subterranean level, foundation elements, and grading of soils for the worse-case under the descending slope in the northeast corner of the Site.[142] As provided in the Updated Geotechnical Engineering Investigation included as **Appendix F-1** of this SCEA, groundwater was encountered in all the borings drilled along Sunset Boulevard. Seepage occurred at depth of 9.3 feet to 24 feet.

Therefore, Project construction activities could encounter groundwater and temporary dewatering may be required. If groundwater is encountered during construction, temporary pumps and filtration would be utilized in compliance with all applicable regulations and requirements. Therefore, the Project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the Project may impede sustainable groundwater management of the basin.

Regarding groundwater recharge during operation, the Project would develop hardscape and structures that would cover the majority of the Project Site with impervious surfaces. The proposed lot coverage includes 53% building footprint, 12% paving/hardscape, and 35% landscaping.[143]

However, as previously discussed, the Project would include the installation of LID BMPs, which would be designed with an internal bypass overflow system to prevent upstream flooding during major storm events. The stormwater which bypasses the BMP systems would discharge to an approved discharge point in the public right-of-way and would not result in infiltration of a large amount of rainfall that would affect groundwater hydrology, including the direction of groundwater flow. Therefore, the Project would not interfere substantially with groundwater recharge such that groundwater management would be impeded.

Overall, construction and operation of the Project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the Project may impede sustainable groundwater management of the basin and impacts during construction and operation of the Project would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

142 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

143 Project Environmental Assessment Form, filed August 2023.

i. Result in substantial erosion or siltation on or off-site;

Less Than Significant Impact. Construction activities for the Project would involve excavation and removal of soil. These activities have the potential to temporarily alter existing drainage patterns on the Project Site by exposing the underlying soils, modifying flow direction, and making the Project Site temporarily more permeable. Exposed and stockpiled soils could also be subject to erosion and conveyance into nearby storm drains during storm events. In addition, on-site watering activities to reduce airborne dust could contribute to pollutant loading in runoff.

However, as discussed above in Response to Checklist Question 10.a, the Project would be required to obtain coverage under the NPDES Construction General Permit. In accordance with the requirements of this permit, the Project would implement a SWPPP that specifies BMPs and erosion control measures to be used during construction to manage runoff flows. These BMPs are designed to contain stormwater or construction watering on the Project Site such that runoff does not impact off-site drainage facilities or receiving waters.

In addition, Project construction activities would occur in accordance with City grading permit regulations (Chapter IX, Division 70 of the LAMC), such as the preparation of an erosion control plan, to reduce the effects of sedimentation and erosion. Thus, through compliance with all NPDES Construction General Permit requirements, including preparation of a SWPPP and implementation of BMPs, as well as compliance with applicable City grading permit regulations, construction activities for the Project would not substantially alter the Project Site drainage patterns in a manner that would result in substantial erosion or siltation on- or off-site. As such, construction-related impacts to hydrology would be less than significant.

No streams or rivers are located on or within the immediate vicinity of the Project Site. The closest water feature is Echo Park Lake, approximately 3,200 feet west of the Site.

At buildout of the Project, the Project Site would be comprised of approximately 65% impervious areas. The proposed lot coverage includes 53% building footprint, 12% paving/hardscape, and 35% landscaping.[144]

Accordingly, there would be a limited potential for erosion or siltation to occur from exposed soils. The Project would include BMPs that would address drainage flows and would ensure that substantial soil erosion or siltation does not occur. Therefore, the Project would not substantially alter the existing drainage pattern of the Project Site or surrounding area such that substantial erosion or siltation on-site or off-site would occur.

Overall, the Project would comply with all applicable regulatory requirements, including the LAMC's grading requirements regarding erosion control and state and local requirements regarding stormwater management. Through compliance with these regulatory requirements, the Project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on or off-site. Thus, impacts would be less than significant.

144 Project Environmental Assessment Form, filed August 2023.

ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or off-site;

Less Than Significant Impact. As indicated above, there are no streams or rivers within or immediately surrounding the Project Site. Construction activities for the Project would involve removal of the existing structures and associated hardscape as well as the excavation and removal of soil. These activities have the potential to temporarily alter existing drainage patterns on the Project Site by exposing the underlying soils, modifying flow direction, and making the Project site temporarily more permeable.

As discussed above in Response to Checklist Question 10.a, the Project would be required to obtain coverage under the NPDES Construction General Permit. In accordance with the requirements of this permit, the Project would implement a SWPPP that specifies BMPs and erosion control measures to be used during construction to manage runoff flows. These BMPs are designed to contain stormwater or construction watering on the Project Site such that runoff does not impact off-site drainage facilities or receiving waters. Thus, through compliance with all NPDES Construction General Permit requirements, including preparation of a SWPPP and implementation of BMPs, as well as compliance with applicable City grading permit regulations, construction activities for the Project would not substantially alter the Project Site drainage patterns in a manner that would result in flooding on- or off-site. As such, construction-related impacts to hydrology would be less than significant.

At buildout of the Project, the Project Site would be comprised of approximately 65% impervious areas. The proposed lot coverage includes 53% building footprint, 12% paving/hardscape, and 35% landscaping.[145]

As the Project Site currently does not have BMPs for the management of pollutants or runoff, the Project BMPs would control stormwater runoff and ultimately result in a minor decrease in runoff compared to existing conditions. Consequently, the Project would decrease the amount of stormwater runoff discharging into the existing storm drainage infrastructure. As such, the Project would not substantially increase the rate or amount of surface runoff in a manner that would result in flooding on-site or off-site. Thus, operational impacts to flooding would be less than significant.

Overall, with implementation of BMPs and compliance with applicable regulatory requirements including the LAMC's grading requirements regarding erosion control and state and local requirements regarding stormwater management, the Project would not increase the rate or amount of surface runoff in a manner that would result in flooding on or off-site. Thus, impacts would be less than significant.

iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

Less Than Significant Impact. As discussed above, at buildout of the Project, the Project Site would be comprised of approximately 65-percent impervious areas. The Project Site currently does not have BMPs for the management of pollutants or runoff. Implementation of Project BMPs

145 Project Environmental Assessment Form, filed August 2023.

would control stormwater runoff and could ultimately result in a minor decrease in runoff compared to existing conditions. In addition, the implementation of BMPs required by the City's LID Ordinance would target the pollutants that could potentially be carried in stormwater runoff.

Consequently, the Project would not create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff, and impacts would be less than significant.

iv. Impede or redirect flood flows?

No Impact. The Project Site is not located within a 100-year flood hazard area as mapped by the Federal Emergency Management Agency (FEMA) or by the City.[146,147]

Thus, the Project would not impede or redirect flood flows, and no impact would occur.

d) In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

Less Than Significant Impact. As discussed above, the Project Site is not located within a 100-year flood hazard area as mapped by FEMA or by the City.[148,149] In addition, the City does not map the Project Site as being located within a tsunami hazard area. Therefore, no tsunami or tsunami events would be expected to impact the Project Site. Additionally, there are no standing bodies of water near the Project Site that may experience a seiche.

Earthquake-induced flooding can result from the failure of dams or other water-retaining structures resulting from earthquakes. According to the City's Hazards Mitigation Plan, the Project Site is not located within a flood impact zone or located near a dam.[150]

Therefore, the risk of flooding from inundation by dam failure is considered low. Additionally, as discussed above, the Project would include new structural BMPs throughout the Project Site which would reduce the amount of pollutants entering the stormwater system and groundwater. Therefore, in the unlikely event of inundation of the Project Site, the Project would not result in a discharge of pollutants. Impacts would be less than significant.

146 Federal Emergency Management Agency, Flood Insurance Rate Maps, Panel Numbers 06037C1628F and 06037C1610F, effective September 25, 2008. https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd, accessed October 5, 2023.

147 City of Los Angeles 2018 Local Hazard Mitigation Plan, January 2018, Figure 10-2, Mapped Flood Hazards Areas in East Los Angeles APC, p. 10-9. https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-10/2018_LA_HMP_Final_with_maps_2018-02-09.pdf, accessed October 5, 2023.

148 Federal Emergency Management Agency, Flood Insurance Rate Maps, Panel Numbers 06037C1628F and 06037C1610F, effective September 25, 2008. https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd, accessed October 5, 2023.

149 City of Los Angeles 2018 Local Hazard Mitigation Plan, January 2018, Figure 10-2, Mapped Flood Hazards Areas in East Los Angeles APC, p. 10-9. https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-10/2018_LA_HMP_Final_with_maps_2018-02-09.pdf, accessed October 5, 2023.

150 City of Los Angeles 2018 Local Hazard Mitigation Plan, January 2018, Figure 12-1, Mapped Tsunami Inundation Area in West Los Angeles APC, p. 12-5. . https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-10/2018_LA_HMP_Final_with_maps_2018-02-09.pdf, accessed October 5, 2023.

Overall, the Project would not risk release of pollutants due to inundation in a flood hazard, tsunami, or seiche zone, and impacts would be less than significant.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less Than Significant Impact. Under Section 303(d) of the Clean Water Act, states are required to identify water bodies that do not meet their water quality standards. Biennially, the Los Angeles Regional Water Quality Control Board (LARWQCB) prepares a list of impaired waterbodies in the region, referred to as the 303(d) list. The 303(d) list outlines the impaired waterbody and the specific pollutant(s) for which it is impaired. All waterbodies on the 303(d) list are subject to the development of a Total Maximum Daily Load (TMDL).

The Project Site lies within the Los Angeles River Watershed and other urban watersheds.[151] Constituents of concern listed for urban watersheds under California's Clean Water Act Section 303(d) List include PCBs, trash, mercury, arsenic, and dichlorodiphenyltrichloroethane. As discussed above, during construction, the Project would be required to implement a SWPPP that would set forth BMPs for stormwater and non-stormwater discharges, including, but not limited to, sandbags, storm drain inlets protection, stabilized construction entrance/exit, wind erosion control, and stockpile management, to minimize the discharge of pollutants in stormwater runoff during construction.

In addition, the implementation of BMPs required by the City's LID Ordinance during Project operation would target pollutants that could potentially be carried in stormwater runoff. As such, construction and operation of the Project would not introduce new pollutants or an increase in pollutants that could conflict with or obstruct any water quality control plans for the Los Angeles River Watershed and other urban watersheds.

With regard to potential impacts associated with groundwater management, as discussed above in Response to Checklist Question 10.a., of this SCEA, the Project would not expand any potential areas of contamination, increase the level of groundwater contamination, or cause regulatory water quality standard violations, as defined in the California Code of Regulations, Title 22, Division 4, Chapter 15 and the Safe Drinking Water Act. In addition, the Project is not anticipated to result in releases or spills of contaminants that could reach a groundwater recharge area or spreading ground or otherwise reach groundwater through percolation.

Overall, based on the above, with compliance with existing regulatory requirements and implementation of LID BMPs, the Project would not conflict with or obstruct implementation of a water quality control plan or a sustainable groundwater management plan. Accordingly, impacts would be less than significant.

151 Los Angeles County Public Works, Watershed Management: https://pw.lacounty.gov/wmd/siteIndex.cfm, accessed October 5, 2023.

Cumulative Impacts

Less Than Significant Impact. There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[152] The nine Related Projects comprise a variety of uses, including residential, commercial/retail, mixed-use, and institutional uses. The Project and these Related Projects, as well as other development projects in the area, would be required to comply with applicable regulatory requirements regarding drainage and water quality, including implementation of a SWPPP and BMPs, conformance with NPDES permit conditions, and a LID or Standard Urban Stormwater Mitigation Plan, which would reduce impacts to a less than significant level. Furthermore, the Project would not result in any water quality related impacts and would not increase peak stormwater flows from the Project Site. Therefore, the Project would not contribute to cumulative impacts regarding hydrology and water quality.

152 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

1.11 Land Use and Planning

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Physically divide an established community?	☐	☐	☐	☒
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM LU-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects that physically divide a community, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Facilitate good design for land use projects that build upon and improve existing circulation patterns

b) Encourage implementing agencies to orient transportation projects to minimize impacts on existing communities by:

- Selecting alignments within or adjacent to existing public rights of way.
- Design sections above or below-grade to maintain viable vehicular, cycling, and pedestrian connections between portions of communities where existing connections are disrupted by the transportation project.
- Wherever feasible incorporate direct crossings, overcrossings, or under crossings at regular intervals for multiple modes of travel (e.g., pedestrians, bicyclists, vehicles).

c) Where it has been determined that it is infeasible to avoid creating a barrier in an established community, consider other measures to reduce impacts, including but not limited to:

- Alignment shifts to minimize the area affected.

- Reduction of the proposed right-of-way take to minimize the overall area of impact.

- Provisions for bicycle, pedestrian, and vehicle access across improved roadways.

Applicability to the Project

As described under Land Use and Planning Threshold (a) below, the Project would not physically divide an established community. Therefore, **PMM-LU-1** is not applicable to the Project.

PMM LU-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects that physically divide a community, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) When an inconsistency with the adopted general plan policy or land use regulation (adopted for the purpose of avoiding or mitigating an impact) is identified modify the transportation or land use project to eliminate the conflict; or, determine if the environmental, social, economic, and engineering benefits of the project warrant an amendment to the general plan or land use regulation.

Applicability to the Project

As outlined in the impact analysis under Land Use and Planning Threshold (b) below, the Project would not physically divide an established community or create a significant environmental impact due to a conflict with the 2020–2045 RTP/SCS, LAMC, Silver Lake-Echo Park-Elysian Valley Community Plan, or the City of Los Angeles General Plan. Therefore, **PMM LU-2** is not applicable to the Project.

Impact Analysis

a) Would the project physically divide an established community?

No Impact. The Project Site is generally bounded by residential uses to the north and east, Sunset Boulevard to the west and Everett Street to the south. The Project Site is vacant.

The Project would be constructed within the boundaries of the Project Site and the proposed uses would be located within two 7-story buildings.

These uses would be consistent with other developments located adjacent to and in the general vicinity of the Project Site. All proposed development would also occur within the boundaries of

the Project Site. In addition, the Project does not propose a freeway or other large infrastructure that could divide the existing surrounding community.

Therefore, the Project would not physically divide an established community and no impact would occur.

b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less Than Significant Impact. The determination of consistency with applicable land use policies and ordinances is based upon a review of the previously identified planning and zoning documents that regulate land use or guide land use decisions pertaining to the Project Site.

A project is considered consistent with the provisions and general policies of applicable City or regional land use plan and regulation if it is consistent with the overall intent of the plan or regulation and would not preclude the attainment of its primary goals.[153] More specifically, according to the ruling in *Sequoyah Hills Homeowners Association v. City of Oakland*, state law does not require an exact match between a project and the applicable general plan. Rather, to be "consistent," the project must be "compatible with the objectives, policies, general land uses, and programs specified in the applicable plan," meaning that a project must be in "agreement or harmony" with the applicable land use plan to be consistent with that plan.

Various local and regional plans and regulatory documents guide development of the Project Site. The following discussion addresses the Project's consistency with the requirements and policies of SCAG's RTP/SCS, the City's General Plan (including the Framework Element, the Housing Element, Conservation Element, and Mobility Plan 2035), the Silver Lake-Echo Park-Elysian Valley Community Plan, and the LAMC, to the extent that various goals, objectives, and policies of these plans have been adopted for the purpose of avoiding or mitigating an environmental effect. The Project's consistency with certain other goals, objectives, and policies that do not directly relate to the avoidance or mitigation of environmental effects is also briefly discussed for informational purposes.

Southern California Association of Governments

Regional Transportation Plan/Sustainable Communities Strategy

SCAG's 2020–2045 RTP/SCS, also known as Connect SoCal, was adopted on September 3, 2020. The 2020–2045 RTP/SCS presents a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals through the year 2045 for the six-county region of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. The core vision of the 2020–2045 RTP/SCS is to build upon and expand land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The 2020–2045 RTP/SCS builds upon this core vision with new initiatives at the intersection of land use, transportation, and technology to reach the region's GHG reduction goals. These initiatives include policies, projects,

153 Sequoyah Hills Homeowners Association v. City of Oakland (1993) 23 Cal.App.4th.704, 719.

and programs that strengthen and enhance each other beyond what each would accomplish in isolation. Strategies to advance the core vision address sustainable development, system preservation and resilience, demand and system management, transit backbone, complete streets, and goods movement. For each of these strategies, SoCal Connect provides information on progress made since the prior (2016–2040) RTP/SCS.

The Project's consistency with the applicable goals and strategies of the 2020–2045 RTP/SCS, which largely reflect the goals that were established in the 2016–2040 RTP/SCS, is outlined in **Table 5.11-1**. As discussed therein, as an infill development located adjacent to a Job Center, within a TPA, an HQTA, and a NMA, and along a Livable Corridor, the Project would be consistent with the applicable 2020–2045 RTP/SCS goals and strategies.

Table 5.11-1
Consistency with Applicable Goals and Strategies of the 2020–2045 RTP/SCS

Goal/Strategy	Analysis of Project Consistency
Goal 2: Improve mobility, accessibility, reliability, and travel safety for people and goods. **Goal 3:** Enhance the preservation, security, and resilience of the regional transportation system. **Goal 4:** Increase person and goods movement and travel choices within the transportation system.	**No Conflict.** The Project Site is located in an urbanized area within the City of Los Angeles that provides an established network of roads and freeways that provide local and regional access to the area, including the Project Site. In addition, the Project Site is served by several bus lines operated by the Metro and LADOT. The Project would replace the existing vacant Site with a new mixed-use development that would include residential and commercial uses. Locating the Project and the proposed uses within an urbanized area with an established network of streets and highways as well as various transit options would facilitate mobility and accessibility to and from the Project Site for residents of the Project. In addition, the Project would enhance the pedestrian experience through its design via the inclusion of pedestrian amenities; accessible sidewalks and walkways that provide pedestrian access throughout the Project Site. All vehicular access to the Project Site would be provided separately from the pedestrian and bicycle access points. The proposed driveways would be designed to meet all applicable City Building Code and Fire Code requirements regarding site access and would incorporate pedestrian warning systems, as appropriate. The Project would also provide 162 long-term and 21 short-term bicycle parking spaces in accordance with LAMC requirements.

Goal/Strategy	Analysis of Project Consistency
	Furthermore, the Project does not include any design features that could pose safety issues to travelers. Thus, the Project would maximize mobility and accessibility by providing opportunities for walking and biking and opportunities for the use of other alternative modes of travel, including convenient access to public transit. Thus, the Project would not conflict with these goals.
Goal 5: Reduce greenhouse gas emissions and improve air quality. **Goal 6:** Support healthy and equitable communities. **Goal 7:** Adapt to a changing climate and support an integrated regional development pattern and transportation network.	**No Conflict**. As discussed under Checklist Section 17, Transportation, the Project would improve bicycle and pedestrian infrastructure, which would be beneficial to traffic flow, transit service, pedestrian circulation, and overall mobility in the Project area, thereby facilitating a reduction in VMT and GHG emissions and improved air quality to contribute to the protection of the environment and support healthy and equitable communities, as well as support the goal of adapting to a changing climate and supporting an integrated regional development pattern and transportation network. As evaluated under Item 3, Air Quality, operation of the Project would result in less than significant impacts related to air quality, and short-term construction impacts related to regional construction emissions would be reduced to less than significant levels. As identified in Section 3, Project Description, and Checklist Section 8, Greenhouse Gas Emissions, the Project would include energy conservation, water conservation, and waste reduction features that would support and promote environmental sustainability. The Project would also comply with regulatory requirements, including the provisions set forth in the CALGreen Code that have been incorporated into the City of Los Angeles Green Building Code. With implementation of regulatory requirements and sustainability features, impacts related to air emissions, which directly relate to the environment and the health of the City's residents, would be less than significant. In addition, the Project Site's location within an HQTA, and thus, within close proximity to a variety of public transit options, would further support healthy and equitable communities. The Project's mix of uses, pedestrian-friendly design, and provision of bicycle parking spaces would also promote a healthy

Goal/Strategy	Analysis of Project Consistency
	community. Thus, the Project would not conflict with these goals.
Goal 8: Leverage new transportation technologies and data-driven solutions that results in more efficient travel.	**No Conflict.** Although these goals apply at a regional level, as discussed above, the Project would incorporate environmentally sustainable building features and construction protocols required by the Los Angeles Green Building Code and CALGreen. The Project would promote non-auto travel and reduce the use of single-occupant vehicle trips by being located in a transit-rich area, providing bicycle parking, and improving the pedestrian environment. The Project would also provide 27 parking spaces that are equipped with EV charging stations and 66 additional spaces capable of supporting future EVSE. Therefore, the Project would encourage and support more efficient travel. Thus, the Project would not conflict with this goal.
Goal 9: Encourage development of diverse housing types in areas that are supported by multiple transportation options.	**No Conflict**. The Project would construct 327 residential units of various sizes and would set aside 41 units for Very Low-Income Households (i.e., 15 percent of the total project units). These units would consist of 13 studios, 230 one-bedroom, 79 two-bedroom units, and 5 3-bedroom in varying sizes and configurations, thereby providing a range of housing opportunities. Furthermore, the Project is within an HQTA and is supported by multiple transportation options, as discussed above. Thus, the Project would not conflict with this goal.
Goal 10: Promote conservation of natural and agricultural lands and restoration of habitats.	**No Conflict.** As discussed under Checklist Section 4, Biological Resources, the Project Site is located in an urbanized area and contains limited to sparse landscaping in the form of nonnative/non protected trees, hedges, and shrubs. There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard. The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[154] The existing onsite trees will be removed and the Project would provide 84 new on-site trees.

154 Protected Tree Report, JTL Consultants, August 21, 2023.

Goal/Strategy	Analysis of Project Consistency
	The seven Mexican fan palms on the Sunset Boulevard sidewalk will be protected during the development project by installing tree protection fencing around the trees. The Project arborist will be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures.[155] None of the trees are considered to be protected by the City of Los Angeles Protected Tree and Shrub Ordinance. No riparian or other sensitive natural community exists on-site, and no agricultural uses or operations occur on-site or in the vicinity. The Project Site and surrounding area are not mapped as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance by the California Department of Conservation. Furthermore, the Project Site is not located in or adjacent to a Biological Resource Area as defined by the City. Accordingly, development of the Project would not preclude the conservation of natural and agricultural lands and restoration of habitats. Thus, the Project would not conflict with this goal.
Focus Growth Near Destinations & Mobility Options Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations. Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets. Plan for growth near transit investments and support implementation of first/last mile strategies. Promote the redevelopment of underperforming retail developments and other outmoded nonresidential uses. Prioritize infill and redevelopment of underutilized land to accommodate new growth,	**No Conflict**. The Project would construct 327 residential units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. The proposed development would locate a mix of uses that, along with other development in the area, would serve as a shopping, dining, and gathering destination. The Project would also provide secure bicycle parking and easy bicycle accessibility to the Project Site to encourage alternative mobility for residents, employees, and visitors to the Project Site. Furthermore, the Project would provide housing and jobs near transit. The Project Site is also served by a variety of transit options provided by Metro and LADOT. Specifically, transit options in the vicinity of the Project Site include the Metro Bus Lines 4, 10/48, 55, 60, and 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH (Pico Union) on Edgeware Road. Thus, the Project would not conflict with this land use strategy.

155 Protected Tree Report, JTL Consultants, August 21, 2023.

Goal/Strategy	Analysis of Project Consistency
increase amenities and connectivity in existing neighborhoods. Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could include mixed uses or locating and orienting close to existing destinations). Identify ways to "right size" parking requirements and promote alternative parking strategies (e.g. shared parking or smart parking).	
Strategy: Promote Diverse Housing Choices	**No Conflict**. The Project would construct 327 residential units of various sizes and would set aside 41 units for Very Low-Income Households (i.e., 15 percent of the total project units). These units would consist of 13 studios, 230 one-bedroom, 79 two-bedroom units, and 5 3-bedroom in varying sizes and configurations, thereby providing a range of housing opportunities. Thus, the Project would not conflict with this land use strategy.
Leverage Technology Innovations Promote low emission technologies such as neighborhood electric vehicles, shared rides hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space.	**No Conflict.** The Project would provide secure bicycle parking and bicycle accessibility mobility for employees and visitors to the Project Site. Specifically, the Project would provide 183 bicycle parking spaces (including 162 long-term spaces and 21 short-term spaces). Additionally, the Project would provide electric vehicle charging stations and electric vehicle supply wiring consistent with City requirements. Thus, the Project would not conflict with this land use strategy.
Support Implementation of Sustainability Policies Support statewide legislation that reduces barriers to new construction and that incentivizes development near transit corridors and stations.	**No Conflict**. While this is a citywide strategy, the Project would support it. The Project's design is based on smart growth principles and environmental sustainability, as demonstrated by its mixed-use configuration, emphasis on walkability, bike-friendly environment, and proximity to public transit. Additionally, the Project would incorporate environmentally sustainable design features required by the Los Angeles Green Building Code. The Project would also utilize sustainable planning and building strategies and would incorporate the use of environmentally friendly materials wherever applicable. Furthermore, the Project would incorporate additional sustainable features including high efficiency plumbing fixtures and weather-based controller and drip irrigation

Goal/Strategy	Analysis of Project Consistency
	systems, Energy Star-labeled appliances, and water-efficient landscape design. The Project would also comply with the City's EV charging requirements. In addition, the new residential units would be equipped with high efficiency toilets and low-flow showerheads. Thus, the Project would not conflict with this land use strategy.
Promote a Green Region Support development of local climate adaptation and hazard mitigation plans, as well as project implementation that improves community resiliency to climate change and natural hazards. Support local policies for renewable energy production, reduction of urban heat islands and carbon sequestration. Promote more resource efficient development focused on conservation, recycling and reclamation.	**No Conflict.** The Project's location, land use characteristics, and design render it consistent with Statewide, regional, and local climate change mandates, plans, policies, and recommendations. The Project has been designed and would be constructed to incorporate environmentally sustainable building features and construction protocols required by the Los Angeles Green Building Code and the CALGreen Code. These standards would reduce energy and water usage and waste and, thereby, improve climate resiliency and reduce associated GHG emissions and help minimize the impact on natural resources and infrastructure. Sustainability features include, but would not be limited to: use of environmentally-friendly building materials such as non-toxic paints; high efficiency plumbing fixtures and weather-based controller and drip irrigation systems to promote a reduction of indoor and outdoor water use; Energy Star–labeled appliances; and drought tolerant planting. Some of these measures are consistent with the requirements of the Los Angeles Green Building Code, while some exceed code requirements. These measures would also support resource efficiency by conserving water and energy. Thus, the Project would not conflict with these land use strategies.
SCAG, 2020-2045 RTP/SCS: https://scag.ca.gov/read-plan-adopted-final-connect-socal-2020	

City of Los Angeles General Plan

Framework Element

The Framework Element, adopted in December 1996 and readopted in August 2001, sets forth general guidance regarding land use issues for the City and defines citywide policies regarding land use that influence the community plans and most of the City's General Plan Elements. Specifically, the Framework Element defines citywide policies for land use, housing, urban form and neighborhood design, open space and conservation, economic development, transportation, and infrastructure and public services. The Project's consistency with the applicable goals,

objectives and policies of the General Plan Framework Element is provided in **Table 5.11-2** and summarized below.

Table 5.11-2
Consistency with Applicable Goals, Objectives, and Policies of the General Plan Framework

Goal, Objectives, Policies	Analysis of Project Consistency
Framework Element Land Use Chapter	
Goal 3A: Physically balanced distribution of land uses.	**Consistent**. The City of Los Angeles is experiencing a severe housing shortage and this Project would provide an additional supply of 327 dwelling units to help meet the demand for new residential units. The residential use would be compatible with and complement the other multifamily residential uses on the block, and the additional residential population would further activate the surrounding area and provide an additional customer base for businesses in the community. This project would also help to make more viable the long-term physical maintenance of the property, resulting in improved community aesthetics and safety. The Framework Element of the General Plan establishes general policies for the City based on projected population growth. Land use, housing, urban form and neighborhood design, open space, economic development, transportation, infrastructure and public services are all addressed in the context of accommodating future City-wide population growth. The City's various land use "categories" are defined based on appropriate corresponding development standards including density, height and use. The Project furthers the goals, objectives and policies of the General Plan Framework Element. Chapter 4 of the General Plan Framework outlines that the City has "insufficient vacant properties to accommodate forecasted population increases. Consequently, the City's growth would require the reuse and intensification of existing developed properties." The Project would develop new buildings on commercially zoned land near transit in order to develop a residential Project with 327 dwelling units. Therefore, the Project is in substantial conformance with the purposes, intent, and provisions of the Framework Element of the General Plan.

Objective 3.1: Accommodate a diversity of uses that support the needs of the City's existing and future residents, businesses and visitors.	**Consistent**. The proposed residential project would develop a vacant site. The Project adds to the City's existing housing stock by adding new housing including 327 dwelling units designed in a variety of configurations and sizes to serve various housing needs within the City. The new residents would be within walking distance of the some of the region's most popular retail, dining, and entertainment destinations while, at the same time, reinforcing the economic viability of commercial establishments along Sunset Boulevard with future patrons.
Objective 3.2: Provide for the spatial distribution of development that promotes an improved quality of life by facilitating a reduction of vehicular trips, vehicle miles traveled, and air pollution**.**	**Consistent**. The Project's height and density is appropriately placed in a General Commercial designation and is in close proximity to a Major Transportation Stop. The Project Site is near many other transit stops. Specifically, transit options in the vicinity of the Project Site include the Metro Bus Lines 4, 10/48, 55, 60, 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH Pico Union. The Project would further enhance the pedestrian realm, which would conserve the existing neighborhood pedestrian patterns and promote the use of multi-modal transportation options. Furthermore, the Project Site is on a major commercial corridor and would not remove any existing residential buildings or open space, therefore conserving the character of nearby residential neighborhoods.
Objective 3.4 Encourage new multi-family residential, retail commercial, and office development in the City's neighborhood districts, community, regional, and downtown centers as well as along primary transit corridors/boulevards, while at the same time conserving existing neighborhoods and related districts. **Policy 3.4.1:** Conserve existing stable residential neighborhoods and lower intensity commercial districts and encourage the majority of new commercial and mixed-use (integrated commercial and residential) development to be located (a) in a network of neighborhood districts, community, regional, and downtown centers, (b) in proximity to rail and bus transit stations and corridors, and (c) along the City's major	**Consistent**. The Project Site has a General Commercial Land Use Designation and is located along Sunset Boulevard, both a primary transit corridor and one of the City's major boulevards. The surrounding uses along the arterial streets are improved with institutional, retail, commercial and residential uses. The proposed residential project would develop a vacant site and creates new residential units near transit while at the same time conserving existing residential neighborhoods.

boulevards, referred to as districts, centers, and mixed-use boulevards, in accordance with the Framework Long-Range Land Use Diagram.	
Objective 4.2: Encourage the location of new multi-family housing development to occur in proximity to transit stations, along some transit corridors, and within some high activity areas with adequate transitions and buffers between higher-density developments and surrounding lower-density residential neighborhoods. **Policy 3.13.4**: Provide adequate transitions where commercial and residential uses are located adjacent to one another.	**Consistent**. The entire Site is designated as General Commercial by the Community Plan and is located along Sunset Boulevard that is designated as a Mixed Use Boulevard on the General Plan Framework Long-Range Land Use Diagram. According to the diagram, a Mixed Use Boulevard "will fall within a range of floor area ratios from 1.5:1 up to 4.0:1 and be generally characterized by 1- to 2-story commercial structures, up to 3- to 6-story mixed use buildings between centers and higher buildings within centers. Mixed Use Boulevards are served by a variety of transportation facilities." The Project is well within both the FAR and height ranges that the General Plan Framework Element prescribes for developments along Mixed Use Boulevards, as it proposes a 7-story building with a 3.0:1 FAR. Further, Sunset Boulevard is a designated Major Highway and is a considered important transit corridor for the area. Therefore, the Project is consistent with the Framework Element's Long Range Land Use Diagram for Mixed Use Boulevard developments. Currently, the Site is vacant and not providing any development with a benefit to the community. Thus, the Site provides an opportunity to develop a mixed-use project where planned major transit facilities will be located, consistent with the General Plan Framework. The Project will add 327 residential units (including 41 Very Low Income affordable units) and approximately 9,624 square feet of commercial space to this underutilized Site, all of which will be consistent with the Site's land use designation and zoning. The Project will provide adequate transitions and buffers between the mixed-use development and the surrounding neighborhood. As noted, the Project has been designed with the site topography which slopes from the high elevation at the northwest west

	corner on Sunset Boulevard to the low elevation at the northeast corner on Everett Street by approximately 100 feet in elevation. As a result, the height of the Project mimics the topography and steps down in elevation. Trash receptacles and loading areas will be strategically located on the site and screened from public view to the extent possible to minimize any potential impacts to adjacent properties. Parking will be provided in full conformance with Code requirements for all Project uses, and the residential component will satisfy Code requirements for an affordable housing density project. The parking will be located in an on-site subterranean garage or buffered at the street level by habitable uses. Thus, the Project will provide adequate transitions where commercial and residential uses are located adjacent to one another, consistent with the General Plan.
Policy 4.2.1: Offer incentives to include housing for very low- and low-income households in mixed-use developments.	**Consistent**. The Project requests a 22 percent density bonus and includes 41 Very Low Income affordable housing units or 15% of by-right units.
Mobility Element	
Policy 2.3: Recognize walking as a component of every trip, and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.	**Consistent**. The Project would be located within a commercial corridor in a highly walkable location. The Project would further promote pedestrian activity by developing a residential use in proximity to public transit options. Specifically, transit options in the vicinity of the Project Site include the Metro Bus Lines 4, 10/48, 55, 60, 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH Pico Union.
Policy 3.1: Recognize all modes of travel, including pedestrian, bicycle, transit, and vehicular modes – including goods movement – as integral components of the City's transportation system.	**Consistent**. The Project would promote this policy by providing adequate vehicular access. The Project would further promote pedestrian activity by developing a residential use in proximity to public transit options. Specifically, transit options in the vicinity of the Project Site include the Metro Bus Lines 4, 10/48, 55, 60, 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH Pico Union.
Policy 3.2: Accommodate the needs of people with disabilities when modifying or installing infrastructure in the public right-of-way.	**Consistent**. The Project would be designed to provide accessibility and accommodate the needs of people with disabilities as required by the American with Disabilities Act (ADA) and the City's applicable related building code regulations.
Policy 3.3: Promote equitable land use decisions that result in fewer vehicle trips by providing greater proximity and access to jobs, destinations, and other neighborhood services.	**Consistent**. The Project would promote equitable land use decisions that result in fewer vehicle trips by providing a new residential development in close proximity to in a highly walkable location.

	The Project is located in an area with ample transit within walking distance.
Policy 3.4: Provide all residents, workers and visitors with affordable, efficient, convenient, and attractive transit services.	**Consistent**. The Project would further promote pedestrian activity by developing a residential use in proximity to public transit options. Specifically, transit options in the vicinity of the Project Site include the Metro Bus Lines 4, 10/48, 55, 60, 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH Pico Union.
Policy 3.5: Support "first-mile, last-mile solutions" such as multi-modal transportation services, organizations, and activities in the areas around transit stations and major bus stops (transit stops) to maximize multi-modal connectivity and access for transit riders.	**Consistent**. The Project would activate the area around various high usage transit stops along a designated transit corridor with a housing use. This would allow connections to nearby transit stops and support "first-mile, last-mile solutions".
Policy 3.7: Improve transit access and service to major regional destinations, job centers, and inter-modal facilities.	**Consistent**. The Project is in proximity to public transit options. Specifically, transit options in the vicinity of the Project Site include the Metro Bus Lines 4, 10/48, 55, 60, 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH Pico Union.
Policy 3.8: Provide bicyclists with convenient, secure and well maintained bicycle parking facilities.	**Consistent**. The Project would provide secure bicycle parking and bicycle accessibility mobility for employees and visitors to the Project Site. Specifically, the Project would provide 183 bicycle parking spaces (including 162 long-term spaces and 21 short-term spaces).
Policy 3.9: Discourage the vacation of public rights-of-way	**Consistent**. The Project would not vacate any public rights-of-way, all associated public rights-of-way would be maintained as part of the Project.
Policy 3.10: Discourage the use of cul-de-sacs that do not provide access for active transportation options.	**Consistent**. The Project would not include the development of a cul-de-sac.
Policy 4.8 Encourage greater utilization of Transportation Demand Management (TDM) strategies to reduce dependence on single-occupancy vehicles.	**Consistent.** The LADOT's requirement for a transportation assessment is if a development is estimated to generate a net increase of 250 or more daily vehicle trips and requires discretionary action.[156] LADOT's VMT calculator, Version 1.3, was used to determine if a development would exceed any of the Transportation Impact Assessment criteria that would require further transportation impact analysis. Based on the land use and size of the existing and proposed uses, the VMT calculator determined that the Project would generate a net increase of 2,217 Daily Vehicle Trips). Therefore, based on the City threshold to trigger further traffic analysis of 250 new daily vehicle trips, a transportation assessment is

156 Transportation Assessment Guidelines, LADOT, August 2022.

	required for the Project. The proposed daily household VMT is 5.3, which is below the threshold of significance of 7.2. Therefore, the Project would result in less than significant impacts on VMT and no mitigation is required.[157]
Policy 5.2 Support ways to reduce vehicle miles traveled (VMT) per capita.	**Consistent**. The Project would include residential uses located in a commercial corridor characterized by a high degree of pedestrian activity. The Project would provide greater proximity to neighborhood services, jobs, and residences and would be well-served by existing public transportation. Therefore, the Project would support VMT reductions.
Policy 5.4 Continue to encourage the adoption of low and zero emission fuel sources, new mobility technologies, and supporting infrastructure.	**Consistent**. This policy applies to large-scale goals relative to fuel sources, technologies and infrastructure. In general, existing residential buildings or existing buildings converted to residential uses do not need to provide EV parking spaces. EV and EV ready spaces are not planned to be provided.
Policy 5.5 Maximize opportunities to capture and infiltrate stormwater within the City's public right-of-ways.	**Consistent**. The Project would comply with the City's Low Impact Development (LID) ordinance.
Housing Element (2021-2029)	
Objective 1.1 Forecast and plan for existing and projected housing needs over time with the intention of furthering Citywide Housing Priorities.	**Consistent.** The Project would create housing on a site where none previously existed and would therefore result in no loss of housing. The proposed residential project would develop a vacant site. The Project adds to the City's existing housing stock by adding new housing including 327 dwelling units designed in a variety of configurations and sizes to serve various housing needs within the City. The Project would contribute to the total number of units as deemed necessary in the Regional Housing Needs Assessment. The Department of Housing and Community Development (HCD) Regional Housing Needs Determination for Southern California, in accordance with Government ("Gov") Code Section 65584.01, has determined the minimum regional housing need as for the Southern California region is 1,344,740 total units. The Southern California Association of Governments (SCAG) distributes the housing among its local governments. Based SCAG's RHNA allocation, the City of Los Angeles is required to provide 455,577

[157] Transportation Assessment, Fehr & Peers, October 2023.

	units including 196,368 market rate units and 115,680 Very Low Income units. It is likely the City would need to quadruple its housing production from the current cycle in order to meet the proposed RHNA allocation for the next cycle. The Project is located in an area of the City identified by the Housing Element and RTP/SCS as suitable for high density housing development on a scale that is realistically likely to meet the City's RHNA obligations. The Project would provide 327 units, which would advance the City's housing supply toward the goals outlined by HCD and SCAG.
Objective 1.2 Facilitate the production of housing, especially projects that include Affordable Housing and/or meet Citywide Housing Priorities.	**Consistent.** The Project would not involve the removal of any existing housing and would add 327 new dwelling units where housing did not previously exist. The Project has been developed to provide an appropriate design that is compatible with existing development in the community. As such, the Project would promote a livable neighborhood with a new housing type in a building designed to be appropriate in scale and character to the surrounding area.
Objective 3.1 Use design to create a sense of place, promote health, foster community belonging, and promote racially and socially inclusive neighborhoods.	**Consistent.** The Project promotes walkable communities by locating higher density new housing near public transit. Project amenities include residential spaces and recreational uses that would promote healthy activities for future residents. The Project would also activate the Project Site with a mix of uses that would provide a secure building, lighting, and provide "eyes on the street" with a security plan, thus promoting public safety. The Project Site is an infill site located within walking distance to transit options. As such, the Project would contribute to the promotion of a sustainable community.
Objective 3.2 Promote environmentally sustainable buildings and land use patterns that support a mix of uses, housing for various income levels and provide access to jobs, amenities, services and transportation options.	**Consistent.** The Project would comply with the Los Angeles Green Building Code (LAGBC), as applicable. Further, pursuant to the California's CALGreen Building Standards, the Project Applicant would be required to recycle/divert construction waste generated on the Project Site in accordance with the LAMC. The public transit access and walkability to services in the area, reduces dependency on fossil fuels. As such, the Project would contribute to the promotion of sustainability by maintaining an existing building.

Objective 4.1 Ensure that housing opportunities are accessible to all residents without discrimination on the basis of race, color, ancestry, sex, national origin, color, religion, sexual orientation, gender identity, marital status, immigration status, family status, age, intellectual, developmental, and physical disability, source of income and student status or other arbitrary reason.	**Consistent.** The Project would comply with all federal, state, and local laws regarding fair housing practices, accessibility, and the production, preservation, and operation of housing.
Objective 4.2 Promote outreach and education on fair housing practices and accessibility among residents, community stakeholders and those involved in the production, preservation and operation of housing.	**Consistent.** The Project would comply with all federal, state, and local laws regarding equal housing without discrimination on the basis of race, ancestry, sex, national origin, color, religion, sexual orientation, marital status, familial status, age, disability (including HIV/AIDS), and student status.
Conservation Element	
15.1 Objective: Protect and reinforce natural and scenic vistas as irreplaceable resources and for the aesthetic enjoyment of present and future generations.	**Consistent.** The Project Site and surrounding area are characterized by dense urban development. Due to existing buildings in the area, views are generally obstructed, and no scenic vistas exist. Therefore, the Project would not have any adverse effect on a scenic vista for the enjoyment of present and future generations.
15.1 Policy: Continue to encourage and/or require property owners to develop their properties in a manner that will, to the greatest extent practical, retain significant existing land forms (e.g., ridge lines, bluffs, unique geologic features) and unique scenic features (historic, ocean, mountains, unique natural features) and/or make possible public view or other access to unique features or scenic views.	**Consistent.** The Project Site does not contain any significant existing landforms (e.g., ridge lines, bluffs, unique geologic features) or unique scenic features (historic, ocean, mountains, unique natural features). The Project Site is located in an urbanized portion of the City and topographically relatively flat. The Project Site is not a part of a scenic resource and would not obstruct any scenic views.
Health and Wellness Element	
1.5 Improve Angelenos' health and well-being by incorporating a health perspective into land use, design, policy, and zoning decisions through existing tools, practices, and programs.	**Consistent.** The Project would provide housing opportunities to the community within walking distance to existing public transit, helping to reduce dependence on vehicles and the air pollutants generated by vehicular traffic. In addition, the Project would be located within and near the job centers of Downtown Los Angeles.
2.2 Promote a healthy built environment by encouraging the design and rehabilitation of buildings and sites for healthy living and working conditions, including promoting enhanced pedestrian-oriented circulation, lighting, attractive and open stairs, healthy building materials and universal accessibility using existing tools, practices, and programs.	**Consistent.** The Project would promote pedestrian activity, with a residential development. The Project proposes to provide 327 dwelling units that would offer healthy design features such as natural light and ventilation, as well as open space areas that are both outdoors and within indoor spaces that promote physical activity and positive social experiences. The Project's location and orientation to

	the street would enhance pedestrian-oriented circulation for both residents and visitors. The Project would be designed to encourage pedestrian activity. The Project would provide secure bicycle parking and bicycle accessibility mobility for employees and visitors to the Project Site. Specifically, the Project would provide 183 bicycle parking spaces (including 162 long-term spaces and 21 short-term spaces). Appropriate lighting would be provided to increase safety and provide theft protection during nighttime parking.
2.3 Strive to eliminate barriers for individuals with permanent and temporary disabilities to access health care and health resources.	**Consistent.** Design of the Project would comply with all existing federal, state, and local regulations, including the Americans with Disabilities Act (ADA) and the state and City building codes to eliminate barriers for individuals with permanent and temporary disabilities.
2.11 Lay the foundation for healthy communities and healthy living by promoting infrastructure improvements that support active transportation with safe, attractive, and comfortable facilities that meet community needs; prioritize implementation in communities with the greatest infrastructure deficiencies that threaten the health, safety, and well-being of the most vulnerable users.	**Consistent.** See Policy 1.5 above regarding how the Project's mix of uses and location near transit would support healthy communities and healthy living.
5.1 Reduce air pollution from stationary and mobile sources; protect human health and welfare and promote improved respiratory health.	**Consistent.** See Policy 1.5 above regarding how the Project's uses and location near transit would support healthy communities and healthy living.
5.3 Reduce exposure to second-hand smoke by promoting smoke-free environments and market and support public, private, and nonprofit cessation programs and services.	**Consistent.** The Project would reduce exposure to second-hand smoke in accordance with applicable law, such as prohibition on smoking in rental residential units (California Civil Code Section 1947.5).
5.4 Protect communities' health and well-being from exposure to noxious activities (for example, oil and gas extraction) that emit odors, noise, toxic, hazardous, or contaminant substances, materials, vapors, and others.	**Consistent.** The Project's regional and local, construction emissions and operational emissions would be less than significant. The Project would comply with existing regulations pertaining to hazardous materials to ensure that no significant impacts related to upset and accident conditions related to hazardous materials would occur as a result of the Project. Finally, the Project does not include facilities that would use hazardous materials, such as a dry cleaner, industrial manufacturing processes, or automotive

	repair facilities. The Project would not result in any impacts related to odors.
5.7 Promote land use policies that reduce per capita greenhouse gas emissions, result in improved air quality and decreased air pollution, especially for children, seniors and others susceptible to respiratory diseases.	**Consistent.** The Project would comply with Section 2485 in CCR Title 13, which requires trucks and vehicles in loading and unloading queues to have their engines turned off after five minutes when not in use, in order to reduce vehicle emissions. The public transit access and walkability to services, reduces dependency on fossil fuels. This reduces GHG and mobile source pollution.
Infrastructure and Public Services Chapter	
Objective 9.10: Ensure that water supply, storage, and delivery systems are adequate to support planned development.	**Consistent**. Based on the Los Angeles Department of Water and Power's (LADWP) demand projections provided in its 2020 Urban Water Management Plan[158], LADWP would be able to meet the water demand of the Project, as well as the existing and planned future water demands of its service area for development that is consistent with the General Plan and other growth plans. As the Project's water demand is accounted for in the City's future projected demands (the 2020-2045 RTP/SCS includes growth throughout the Los Angeles subregion and informs the LADWP 2020 UWMP), the Project would not require the construction or expansion of new water treatment facilities that could cause a significant environmental effect. In general, projects that conform to SCAG's 2020-2045 RTP/SCS demographic projections and are in the City's service area are considered to have been included in LADWP's water supply planning efforts in the UWMP. The Project is consistent with the General Plan designation and Community Plan and zoning. In terms of the City's overall water supply condition, the water requirement for any project that is consistent with the City's General Plan has been taken into account in the planned growth of the water system. Furthermore, the Project would not exceed the available capacity within the distribution infrastructure that would serve the Project Site.
Goal 9P: Appropriate lighting required to: (1) provide for nighttime vision, visibility, and safety needs on streets, sidewalks, parking lots, transportation, recreation, security, ornamental,	**Consistent.** The Project would introduce new sources of artificial light to the Project Site, including low-level exterior lights for security and way-finding purposes, as well as general accent lighting.

158 LADWP 2020 Urban Water Management Plan, page ES-6: https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-water/a-w-sourcesofsupply/a-w-sos-uwmpln;jsessionid=0LnWhxdVj2JJg2Vm6Xrr4rmqyLL9GtlpLdJBQxVQgdb53TnwhJRB!-1106340359?afrLoop=151440072116797&afrWindowMode=0&afrWindowId=null#%40%3FafrWindowId%3Dnull%26afrLoop%3D151440072116797%26afrWindowMode%3D0%26adf.ctrl-state%3Dw319yjmek4

and other outdoor locations; (2) provide appropriate and desirable regulation of architectural and information lighting such as building façade lighting or advertising lighting; and (3) protect and preserve the nighttime environment, views, driver visibility, and otherwise minimize or prevent light pollution, light trespass, and glare.	The Project would not include electronic lighting or signs with flashing or strobe lights. All exterior lighting would be shielded or directed toward the areas to be lit to limit spill-over onto off-site uses. The Project would comply with the City's lighting and signage ordinances and would have signage approved by LADBS.
General Plan, Chapter 3-Land Use: https://planning.lacity.org/cwd/framwk/chapters/03/03205.htm City of Los Angeles, Conservation Element of the General Plan, March 2001. Housing Element: http://planning.lacity.org/HousingInitiatives/HousingElement/Text/Ch6.pdf City of Los Angeles, Health and Wellness Element of the General Plan, March 2015. General Plan, http://cityplanning.lacity.org/cwd/framwk/fwhome0.htm Note: This table includes only the policies that are applicable to the Project.	

Land Use Chapter

The Framework Element Land Use Chapter identifies districts, centers, and mixed-use boulevards, which are described in terms of ranges of intensity/density, heights, and lists of typical uses. Additionally, the Project would support and would be consistent with the Land Use Chapter as it would contribute to the City's goal for a physically balanced distribution of land uses that facilitates conservation of natural resources, provision of adequate infrastructure and public services, reduction of traffic congestion and improvement of air quality, enhancement of recreation and open space opportunities, and assurance of environmental justice and a healthful living environment.

In particular, the Project would promote a more balanced distribution of land uses with the replacement of a vacant site with a new mixed-use building that would include residential uses and ground-floor retail and restaurant space that could be filled by a variety of tenants. These proposed uses would be developed in an area well served by public transit provided by Metro and LADOT. Specifically, transit options in the vicinity of the Project Site include Metro Bus Lines 4, 10/48, 55, 60, 92, Metro A and E Lines, and LADOT DASH Lincoln Heights and LADOT DASH Pico Union.

Furthermore, the Project would provide secure bicycle parking and EV charging infrastructure on-site. In addition, development of the Project in an area with convenient access to public transit and opportunities for walking and biking would promote an improved quality of life by facilitating a reduction of vehicle trips, VMT, and air pollution, while supporting the City's objective to encourage multi-family residential, retail, restaurant, and office uses along primary transit corridors/boulevards. Therefore, the Project would not conflict with the applicable goals, objectives, and policies set forth in the Framework Element's Land Use Chapter adopted for the purpose of avoiding or mitigating an environmental effect.

Urban Form and Neighborhood Design Chapter

The Urban Form and Neighborhood Design Chapter of the Framework Element establishes a goal of creating a livable City for existing and future residents. This chapter defines "urban form" as the City's general pattern of building height, development intensity, activity centers, focal elements, and structural elements, such as natural features, transportation corridors, open space,

and public facilities. “Neighborhood design” is defined as the physical character of neighborhoods and communities.

The Framework Element does not directly address the design of individual neighborhoods or communities but embodies general neighborhood design and implementation programs that guide local planning efforts and lay a foundation for updating the community plans. The Urban Form and Neighborhood Design Chapter encourages growth in areas that have a sufficient base of both commercial and residential development to support transit service.

The Project’s consistency with the relevant objectives and policies that support the goals of the Urban Form and Neighborhood Design Chapter of the Framework Element is discussed under Checklist Section 1, Aesthetics, of this SCEA (**Table 5.1-1**). As concluded therein, the Project would be generally consistent with the applicable objectives and policies that support the goals set forth in the Framework Element’s Urban Form and Neighborhood Design Chapter.

Open Space and Conservation Chapter

The Open Space and Conservation Chapter of the Framework Element contains goals, objectives, and policies to guide the provision, management, and conservation of public open space resources, address the outdoor recreational needs of the City’s residents, and guide amendments to the General Plan Open Space Element and Conservation Element. This chapter also includes policies to resolve the City’s open space issues. Specifically, this chapter contains open spaces goals, objectives, and policies regarding resource conservation and management, outdoor recreation, public safety, community stability, and resources development.

The Project’s consistency with the Framework Element’s Open Space and Conservation Chapter is discussed in **Table 5.11-2**. As described therein, the Project would be consistent with the relevant objectives and policies that support the goals of the Open Space and Conservation Chapter of the Framework Element.

The Project would request an off-menu density bonus incentive, for a 30% reduction in open space to require 24,535 square feet in lieu of the otherwise required 35,050 square feet. The Project would incorporate a variety of open space and recreational amenities throughout the Project Site totaling approximately 24,540 square feet, which would exceed the requirements of the LAMC to provide a minimum of 24,535 square feet of open space.

Furthermore, the Project would not conflict with or encroach upon the public and private open space system. Therefore, the Project would be generally consistent with the applicable objectives and policies that support the goals set forth in the Framework Element’s Open Space and Conservation Chapter that seek to avoid or mitigate an environmental effect.

Infrastructure and Public Service Chapter

The Infrastructure and Public Services Chapter of the Framework Element addresses infrastructure and public service systems, including wastewater, stormwater, water supply, solid waste, police, fire, libraries, parks, power, schools, telecommunications, street lighting, and urban forest and two traffic signals at the project driveways. For each of the public services and infrastructure systems, basic policies call for monitoring service demands and forecasting the

future need for improvements, maintaining an adequate system/service to support the needs of population and employment growth, and implementing techniques that reduce demands on utility infrastructure or services. Generally, these techniques encompass a variety of conservation programs (e.g., reduced use of natural resources, increased site permeability, watershed management, and others). Attention is also placed on the establishment of procedures for the maintenance and/or restoration of service after emergencies, including earthquakes.

The Project's consistency with the Framework Element's Infrastructure and Public Services Chapter is discussed in **Table 5.11-2**. As described therein, the Project would comply with the City's grading permit regulations, which require the preparation of an erosion control plan. The Project would also be required to comply with the City's LID Ordinance, which would require the implementation of BMPs to collect, detain, and treat runoff on-site. As discussed under Checklist Section 19, Utilities and Service Systems, of this SCEA, LADWP would be able to meet the water demand for the Project as well as existing and planned water demands of its future service area. Furthermore, the Project would not exceed the available capacity within the water distribution infrastructure that would serve the Project Site and no system upgrades would be required as a result of the Project. Thus, the Project would be generally consistent with the applicable objectives and policies that support the goals set forth in the Framework Element's Infrastructure and Public Services Chapter that seek to avoid or mitigate an environmental effect.

Conservation Element

The Conservation Element primarily addresses the preservation, conservation, protection, and enhancement of the City's natural resources, including agricultural lands, archaeological and paleontological resources, endangered species, habitat areas, and mineral resources. The Conservation Element also recognizes the City's responsibility for identifying and protecting its cultural and historical heritage.

As previously described, the Project Site is vacant and does not contain any natural resources. As discussed throughout this SCEA, the Project would have no significant impact on agricultural lands, endangered species, habitat areas, or mineral resource areas.

In addition, as discussed under Checklist Section 4, Biological Resources, above, the trees and landscaping within the Project Site are not subject to the City's Protected Tree and Shrub Ordinance.

With respect to historic resources, as discussed under Checklist Section 5, Cultural Resources, of this SCEA, none of the potential historical resources in the vicinity of the Project Site would be directly or indirectly affected by the Project as they are physically separated from the Project Site and the primary public views and general character of these resources would remain unchanged by the Project. The Project would also implement the City's standard conditions of approval to ensure that potential impacts to archaeological, paleontological, and tribal cultural resources would remain less than significant.

Furthermore, as analyzed under Checklist Section 1, Aesthetics, of this SCEA, the Project would not obstruct or remove access to natural and scenic vistas. Thus, the Project would not conflict with Section 15 of the Conservation Element, which encourages protection of scenic vistas and the preservation of public views of visual resources. Overall, as outlined above, the Project would

not conflict with the Conservation Element.

Housing Element

The 2021–2029 Housing Element (Housing Element), which was adopted on November 24, 2021, and subsequently amended by the City Council on June 14, 2022, identifies the City's housing conditions and needs; establishes the goals, objectives, and policies that are the foundation of the City's housing and growth strategy; and provides the array of programs the City intends to implement to create sustainable, mixed-income neighborhoods across the City. The goals of the Housing Element are as follows:

- Goal 1: A City where housing production results in an ample supply of housing to create more equitable and affordable options that meet existing and projected needs;
- Goal 2: A City that preserves and enhances the quality of housing and provides greater housing stability for households at all income levels;
- Goal 3: A City in which housing creates healthy, livable, sustainable, and resilient communities that improve the lives of all Angelenos;
- Goal 4: A City that fosters racially and socially inclusive neighborhoods and corrects the harms of historic racial, ethnic, and social discrimination of the past and present; and
- Goal 5: A City that is committed to preventing and ending homelessness.

The Project's consistency with the applicable goals, policies, and objectives set forth in the Housing Element is analyzed in **Table 5.11-2**. As described therein, the Project would construct 327 residential units of various sizes and would set aside 41 units for Very Low-Income Households (i.e., 15 percent of the total project units). These units would consist of a mix of 13 studios, 230 one-bedroom units, 79 two-bedroom units, and 5 3-bedroom units in varying sizes and configurations and at different price points, thereby directly providing a diverse range of new housing opportunities for the City's residents.

The Project would provide these new housing opportunities for residents in a diverse residential and commercial environment, while also enabling residents to utilize existing transit infrastructure provided by Metro and LADOT. Additionally, the Project would further contribute to an active pedestrian environment through its landscaping and other streetscape improvements. Also, the Project has been designed and would be constructed to incorporate environmentally sustainable building features and construction protocols required by the Los Angeles Green Building Code and CALGreen. These standards would reduce energy, water usage, and waste generation, thereby reducing associated GHG emissions and minimizing the impact on natural resources and infrastructure. Therefore, as detailed in **Table 5.11-2**, the Project would be consistent with the applicable objectives and policies set forth in the Housing Element.

Transportation Element/Mobility Plan 2035

The Mobility Plan, adopted on January 20, 2016 and readopted September 7, 2016, is a comprehensive update of the General Plan Transportation Element. Accordingly, the goals of the

Transportation Chapter of the Framework Element are now implemented through the Mobility Plan.

The overarching goal of the Mobility Plan is to achieve a transportation system that balances the needs of all road users. The Mobility Plan incorporates "complete streets" principles. In 2008, the California State Legislature adopted Assembly Bill (AB) 1358, The Complete Streets Act, which requires local jurisdictions to "plan for a balanced, multimodal transportation network that meets the needs of all users of streets, roads, and highways, defined to include motorists, pedestrians, bicyclists, children, persons with disabilities, seniors, movers of commercial goods, and users of public transportation, in a manner that is suitable to the rural, suburban or urban context." The Mobility Plan includes the following five main goals that define the City's high-level mobility priorities:[159]

- Safety First;
- World Class Infrastructure;
- Access for All Angelenos;
- Collaboration, Communication, and Informed Choices; and
- Clean Environments and Healthy Communities.

Each of the goals contains objectives and policies to support the achievement of those goals. The Project would be consistent with the relevant objectives and policies that support the goals of the Mobility Plan, as detailed in **Table 5.11-2**. Specifically, the Project would support the Mobility Plan policy to provide for safe passage of all modes of travel during construction by implementing a Construction Traffic Management Plan pursuant to **Project Design Feature PDF-TRAN-1**, which would incorporate safety measures around the construction site to reduce the risk to pedestrian traffic near the work area; minimize the potential conflicts between construction activities, street traffic, transit stops, and pedestrians; and reduce congestion to public streets.

The Project would improve pedestrian accessibility within and around the Project Site by providing new landscaping, walkways, and sidewalks that meet their designated width. The access points on Sunset Boulevard would require new curb cuts to accommodate ingress and egress maneuvers, thereby reducing the total vehicle conflict points with pedestrians. Each driveway would be designed to provide safe access for pedestrians. Also, the Project's proximity to a variety of public transit options would provide residents, workers, and visitors convenient access to transit services. Therefore, the Project would be generally consistent with the applicable policies that support the goals and objectives set forth in the Mobility Plan.

Silver Lake-Echo Park-Elysian Valley Community Plan

The Silver Lake-Echo Park-Elysian Valley Community Plan (Community Plan) is one of 35 community plans established for different areas of the City to implement the policies of the General Plan Framework Element. The Project would preserve and enhance the positive characteristics of existing residential neighborhoods while providing a variety of compatible new

159 Los Angeles Department of City Planning, Mobility Plan 2035, September 2016.

housing opportunities and improve the function, design and economic vitality of the commercial corridors. The Project will also advance a number of other objectives, goals and policies of the Community Plan, as evidenced by the consistency analysis in **Table 5.11-3**. As set forth therein, the Project would be consistent with the applicable objectives and policies set forth in the Community Plan.

Table 5.11-4
Consistency with Applicable Objectives and Policies of the Community Plan

Objectives, Policies	Analysis of Project Consistency
Policy 1-1.1: Maintain an adequate supply and distribution of multiple family, low income and special needs housing opportunities in the Community Plan Area. **Policy 1-1.2:** Improve the quality of existing single family and multiple family housing throughout the Plan Area. **Objective 1-4:** Promote and ensure the provision of adequate housing for all persons, including special needs populations, regardless of income, age or ethnic background. **Policy 1-4.2:** Promote mixed-use housing projects in pedestrian-oriented areas and designated Mixed Use Boulevards, Neighborhood Districts and Community Centers to increase supply and maintain affordability.	**Consistency.** The Project will enhance existing and future residential mixed-use development in the neighborhood by providing an attractive, modern and sustainable building for residents across all income levels with on-site retail that is accessible to nearby public transit opportunities. The Project will increase the supply of housing and maintain affordability in the community by adding 327 residential units to the current housing stock, including 13 studios, 230 one bedrooms, 79 two-bedrooms, and five (5) three-bedrooms.
Policy 1-1.3: Protect existing single family residential neighborhoods from new out-of-scale development.	**Consistent.** The Site is surrounded by commercial and multi-family residential zones and uses and is not located near a single-family zoned neighborhood. Properties to the west on Sunset Boulevard are zoned C2-1VL and developed with multi-family residential and commercial uses. Properties to the south along Sunset Boulevard are also zoned C2-1VL and developed with commercial and retail uses, an auto repair shop, and multi- family housing. Properties to the north on Sunset are zoned C2-1VL and developed with commercial and retail uses that include a restaurant, auto shop, offices, various retail shops, multi-family housing. Properties to the east are zoned R3-1VL and developed with multi-family housing buildings along Everett Street. The topography of the Site rises steeply from Sunset Boulevard to the rear of the Site in the northwest corner. The proposed buildings are notched into the hillside and significant portions of the buildings will be located at an

	elevation lower than the heights of the residential buildings located along Everett Street. In addition, the proposed buildings are compatible and lower in height than the existing eight-story building located adjacent to the east of the Site at 1111 West Sunset which is currently being converted into residential uses.
Policy 1-1.4: Encourage new infill residential development that complements existing development and architectural style. **Policy 1-1.7**: Promote the unique quality and functionality of the Community Plan Area's mixed single and multiple family residential neighborhoods by encouraging infill development that continues to offer a variety of housing opportunities that capitalize on the eclectic character and architectural styles of existing development. **Policy 1-3.1**: Seek a higher degree of architectural compatibility and landscaping for new infill development to protect the character and scale of existing residential neighborhoods.	**Consistent.** The Project is an infill mixed-use development that complements existing development and architectural style. The Site is currently vacant, and the Project would redevelop with the Site with an attractive multi-use development with ground floor retail and restaurant uses. Redevelopment of the Site will help transform the neighborhood and the portion of Sunset located between Downtown and Echo Park. It also takes advantage of the Site's location along a major boulevard creating a pedestrian-friendly street with commercial uses along Sunset Boulevard that would help transform the neighborhood and the portion of Sunset located between Downtown and Echo Park. The ground floor of Building A is defined with a clearly residential scale by incorporating stoop type ground floor dwelling units with individual entries that are accessed directly from Sunset Boulevard and feature landscaping, and individual patios as well as a main lobby with an associated plaza and large retail space. Building B provides an additional retail space as well as a focal point restaurant and large outdoor plaza. The two buildings create a unified street frontage that activates Sunset Boulevard and ensures engagement with the pedestrian environment at an appropriate and visually appealing architectural scale at the ground level. The Project has considered the diversity of building styles in the neighborhood and proposes a cohesive palette that pays homage to the diversity of styles that exist. The Project represents a clean, compelling visual narrative that is forward-looking while being mindful of its surroundings. The buildings use staggered balconies and window openings to create façade differentiation and a dynamic building façade. The buildings use white as an accent color to disguise the mass along the street frontages. The Project supports walkability by providing by providing ground floor residential units with individual entries with direct access from Sunset Boulevard and private balconies. The project will enhance the surrounding streetscape by incorporating new street trees and landscape planters and providing new sidewalks. The project also incorporates landscape elements throughout

	the building that reduce energy use and enhances livability for the residents. Three large roof terraces are also proposed with additional landscaping and seating areas. The primary access to the building's main lobby is from Sunset Boulevard. The Project design also takes into account the challenging topography of the Site. The building massing has been carefully stepped into the hillside and terraces back to the northeast corner of the Site. Three levels of the Project are buried into the existing slope at the rear in order to minimize the building height and to preserve the views for the neighboring properties on Everett Street. At Building B where the structure sits at the corner of Sunset and Everett, the back of house functions for the commercial space are buried into the hillside and the residential volumes step along the sloping site to achieve compatibility with the neighboring apartment buildings further up the street along Everett Street.
Objective 1-2: Reduce automobile trips in residential areas by locating new housing in areas offering proximity to goods, services and facilities. **Policy 1-2.1**: Locate higher residential densities near commercial centers and major bus routes where public service facilities, utilities and topography will accommodate this development. **Policy 2-1.1**: New commercial uses shall be located in established commercial areas, emphasizing more intense and efficient use of existing commercial land, ultimately contributing to and enhancing the existing urban form and village atmosphere. **Program**: The Plan encourages commercial projects that constitute more efficient use or re- use of obsolete or underused commercial structures or commercially designated land. To promote efficient land use, the Plan, moreover, encourages mixed-use development in designated areas (see Policy 2-4.3 and Figures 1 and 2). **Policy 2-2.1:** Preserve existing pedestrian-oriented areas.	**Consistent.** Given its location between Downtown and Echo Park, its location along Sunset Boulevard and its zoning, this Site is currently vacant. As such, it contains no pedestrian-oriented use, and is incongruous with the Community Plan mixed-use vision for Sunset Boulevard. The Project will redevelop the Site with a mixed-use, transit-oriented building that will serve a wide-variety of neighborhood needs and create pedestrian activity on adjacent streets. The Project will provide housing across all income levels and will add neighborhood-serving commercial uses to Sunset Boulevard. Future residents will be able to take advantage of the site's proximity to other neighborhood services in the area as well as major transit lines that run on Sunset Boulevard. Further, the Site is only a short distance to the Downtown employment center. Thus, consistent with the foregoing objective, policies and program of the Community Plan, the Project will bring increased density and pedestrian activity to this mixed-use neighborhood on a currently under-utilized site, ultimately enhancing the urban form and village atmosphere of the area.

Policy 2-2.2: New developments in pedestrian-oriented areas should add to and enhance existing pedestrian street activity. **Policy 2-2.3**: The first floor street frontage for structures, including mixed-use projects and parking structures located in pedestrian-oriented areas, should incorporate commercial uses.	
Policy 1-3.3: Consider factors such as neighborhood character and identity, compatibility of land uses, impacts on services and public facilities and impacts on traffic levels when changes in residential densities are proposed. **Policy 1-6.4**: Ensure that any proposed development be designed to enhance and be compatible with adjacent development. **Policy 2-3.1**: Proposed developments should be designed to enhance and be compatible with existing adjacent development.	**Consistent.** The Project is designed to enhance and be compatible with existing adjacent development. As discussed above, the building's aesthetic takes into account factors such as neighborhood character and identity. The Site's topography dictates the form of the building such that it is compatible with adjacent land uses. Trash receptacles and loading areas will be strategically located on the Site and screened from public view to the extent possible to minimize any potential impacts to adjacent properties. Project impacts on services and public facilities and impacts on traffic levels have been studied as part of the environmental review for this project and have been determined to be less than significant. Thus, the Project will be consistent with Policies 1-3.3, 1-6.4 and 2-3.1 of the Community Plan.
Objective 2-3: Enhance the appearance of existing commercial districts. **Program**: Chapter V of this Plan includes urban design guidelines for individual commercial projects and mixed-use projects. The Plan generally recommends that pedestrian oriented areas be preserved, that building walls be maintained, active uses be required on the street level and that parking be located at the rear of the property or underground. **Policy 2-4.2**: Require that mixed-use projects and development in pedestrian-oriented areas be designed and developed to achieve a high-level of quality, distinctive character and compatibility with existing uses.	**Consistent.** The Project will comply with the Community Plan Urban Design chapter's applicable policies for mixed-use, commercial and multi-family residential projects. The Project will enhance the appearance of the existing commercial district in this area by developing a vacant site with 327 residential units and ground floor commercial space. The building will be inviting to pedestrians as its walls along Sunset Boulevard and Everett Street will consist of storefront glazing that is recessed from the setback line to provide a transparency that opens the building to the street. Pedestrian entrances to the retail uses will be conveniently located along Sunset Boulevard. In addition, the Project will include abundant street level landscaping, and new street trees lining Sunset Boulevard and Everett Street in order to create identity and a sense of place for the building. In addition, a large plaza is provided at the corner of Sunset Boulevard and Everett Street that will activate the corner and create a more pedestrian friendly environment for visitors and passersby. The ground floor of Building A is defined with a clearly residential scale by incorporating stoop type ground floor dwelling units with individual entries that are accessed

	directly from Sunset Boulevard and feature landscaping, and individual patios as well as a main lobby with an associated plaza and large retail space. Building B provides an additional retail space as well as a focal point restaurant and large outdoor plaza. The two buildings create a unified street frontage that activates Sunset Boulevard and ensures engagement with the pedestrian environment at an appropriate and visually appealing architectural scale at the ground level. The Project has considered the diversity of building styles in the neighborhood and proposes a cohesive palette that pays homage to the diversity of styles that exist. The Project represents a clean, compelling visual narrative that is forward-looking while being mindful of its surroundings. The buildings use staggered balconies and window openings to create façade differentiation and a dynamic building façade. The buildings use white as an accent color to disguise the mass along the street frontages.
Silver Lake-Echo Park-Elysian Valley Community Plan: https://planning.lacity.org/odocument/e87507ac-8c40-49a0-aa1c-21df963f2298/Silver_Lake-Echo_Park-Elysian_Valley_Community_Plan.pdf	

Main Conditional Use Permit

The Site is currently vacant with buildings demolished. The Property is proposed to be redeveloped as an attractive mixed-use building with 327 residential dwelling units, including 41 units reserved for affordable housing units, and 9,462 square feet of ground floor commercial indoor and outdoor space available for on-site restaurant uses. Redevelopment of the Site will help transform the neighborhood, and the portion of Sunset Boulevard located between Downtown and Echo Park, by creating a pedestrian-friendly street with commercial uses along a major boulevard. As such, the Project will enhance the neighborhood through the addition of much needed housing in the City with a variety of unit sizes, as well as ground floor retail and dining space that will enhance the existing area and support local businesses along Sunset Boulevard and Everett Street.

The ground floor of Building A is defined with a clearly residential scale by incorporating stoop type ground floor dwelling units with individual entries that are accessed directly from Sunset Boulevard, featuring landscaping, individual patios, a main lobby with an associated plaza, and large retail space that may be divisible into up to 3 smaller spaces, plus some outdoor areas potentially available for outdoor dining.

Building B provides two additional retail spaces, including a focal point restaurant , and a large outdoor public plaza at the intersection of Sunset Boulevard and Everett Street. The two buildings create a unified street frontage that activates Sunset Boulevard with ground floor retail and

restaurant uses, and ensures engagement with the pedestrian environment at an appropriate and visually appealing architectural scale at the ground level, enhancing the built environment.

The proposed restaurant uses would be a desirable public convenience and welfare as the uses are in a convenient infill location accessible to nearby workers, residents, and visitors. The Project would provide convenient eating and shopping places to serve employees, residents, and visitors in the area, and add to the number of available dining venues in the neighborhood. The offering of food and alcohol in conjunction with the proposed uses would be a benefit as an amenity to current and future residents and visitors and would also serve as an attraction and amenity to future residents and guests, as other residential projects are also in development in proximity.

A variety of commercial uses is an intrinsic part of the service amenities that are necessary for the success of a vibrant neighborhood. The ability for the Site to offer a full line of alcoholic beverages would allow the restaurants to remain competitive with other similar uses servicing the same area, as alcohol service is common and expected by patrons as part of these commercial uses. Further, patrons are drawn to the surrounding area due to shopping, entertainment, and dining experiences available to them. Offering a full line of alcoholic beverages at these uses on the Project Site would enhance the dining and entertainment experience for visitors, employees, and residents in the vicinity. Further, the on-site consumption of alcohol is a common and expected component of restaurants, which would provide a functional and beneficial service to patrons visiting the area. In light of the above, the Project would perform a function that enhances the character of Echo Park and is appropriate with the area's substantial residential and commercial growth that has occurred in the past decade.

As such, the on-site service of alcoholic beverages at up to five establishments and 375 indoor and outdoor seats within the Project's restaurants and retail uses, as part of the mixed-use development would enhance the built environment in the surrounding neighborhood, and would provide a function that is beneficial and compatible with the character of the surrounding community, city, and commercial viability of the region as a whole.

Los Angeles Zoning Code

The City of Los Angeles Zoning Code (Chapter 1 of the LAMC) regulates development through zoning designations and development standards. The LAMC establishes objective zoning and development standards but was not adopted to avoid or mitigate environmental impacts. Therefore, no consistency analysis is required for purposes of determining potential impacts under this threshold. However, a brief discussion of the Project's consistency with the LAMC requirements for the Project Site is provided below for informational purposes.

The Property is zoned C2-1VL and is designated for General Commercial land uses by the General Plan. Corresponding Zones for this designation are RAS3, CR, C1.5, C2, C4, and P. In addition to commercial uses, the C2 zone permits residential uses at one (1) dwelling units per 400 square feet of lot area. The "1VL" suffix corresponds to the Height District 1VL, which in the C Zone permits a base 1.5:1 Floor Area Ratio (FAR) and a maximum height of 45 feet.

Discretionary entitlements, reviews, permits and approvals required to implement the Project will include, but are not necessarily limited to, the following:[160]

1) **Density Bonus Compliance Review (DB)**, pursuant to LAMC Section 12.22 A.25(g)(3), for a Project having 327 residential dwelling units, including 41 units reserved for Very Low Income households, with the following On and Off-Menu Incentives:

   a) **On Menu Incentive**, for an increase in the Floor Area Ratio (FAR) to 3.0:1 in lieu of the otherwise allowable maximum of 1.5:1 in the C2-1 Zone.

   b) **Off-Menu Incentive**, for a 30% reduction in open space to allow 24,540 in lieu of the otherwise required 35,050 square feet.

   c) **Off Menu Incentive**, for additional height and stories:

      - for Building A, for a 34-foot height increase for a height of 91 feet as measured from grade, (57 feet plus 34 feet) and an 85-foot height as measured from Plumb Height (45 feet plus 40 feet) and seven stories in lieu of the otherwise allowed three stories; and

      - for Building B, for a 29-foot height increase for a height of 86 feet as measured from grade (57 feet plus 29 feet) and an 81.5-foot height as measured from Plumb Height (45 feet plus 36.5 feet) and seven stories in lieu of the otherwise allowed three stories.

2) **Site Plan Review (SPR)** pursuant to LAMC Section 16.05, for a development project that results in an increase of 50 or more dwelling units and/or guest rooms.

3) **Main Conditional Use Permit (MCUB)**, pursuant to LAMC Section 12.24.W.1 of Chapter 1 and LAMC Section 13.B.2.2 of Chapter 1A, to allow the sale and dispensing of a full line of alcoholic beverages for on-site and off-site consumption, in conjunction with a total of 9,462 square feet of potential indoor and outdoor restaurant space for up to five establishments with up to 300 indoor seats, and 75 outdoor seats, for a total of up to 375 patrons.

4) Approval of a **Haul Route** for a project located within a Special Grading Area with greater than 1,000 cubic yards of export.

As discussed in Section 3, Project Description, of this SCEA, the proposed residential and commercial uses would be consistent with the types of uses permitted by the current zoning and with the types of uses surrounding the Project Site. With the approval of the above requests, the Project would not conflict with the LAMC.

Overall, based on the above, the Project would not conflict with the 2020–2045 RTP/SCS, LAMC, Silver Lake-Echo Park-Elysian Valley Community Plan, or the City of Los Angeles General Plan. Therefore, the Project would not cause a significant environmental impact due to a conflict with

[160] Attachment A Findings, Applicant, March 4, 2024.

any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, and impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The cumulative analysis takes into consideration the nine Related Projects within 0.5 mile of the Project Site. The Related Projects primarily consist of infill development. As such, similar to the Project, the proposed construction associated with the Related Projects would be confined to the Related Project sites and would not physically divide a community. The uses proposed by the Related Projects, including mixed-use, commercial, and residential projects, would also be compatible with the various uses throughout the Project Site.

In addition, as with the Project, the Related Projects would be required to comply with relevant land use plans, policies, and regulations. Because the approval of the Project would not result in land use and planning impacts, the Project's potential impacts would not be cumulatively considerable. Furthermore, the Related Projects would also have to demonstrate that they do not conflict with applicable land use plans.

As such, based on the above, cumulative impacts related to the physical division of an established community and cumulative impacts related to conflicts with land use plans, policies, or regulations would be less than significant.

1.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM MIN-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce the use of mineral resources that could be of value to the region, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Provide for the efficient use of known aggregate and mineral resources or locally important mineral resource recovery sites, by ensuring that the consumptive use of aggregate resources is minimized and that access to recoverable sources of aggregate is not precluded, as a result of construction, operation and maintenance of projects.

b) Where avoidance is infeasible, minimize impacts to the efficient and effective use of recoverable sources of aggregate through measures that have been identified in county and city general plans, or other comparable measures such as:

1) Recycle and reuse building materials resulting from demolition, particularly aggregate resources, to the maximum extent practicable.

2) Identify and use building materials, particularly aggregate materials, resulting from demolition at other construction sites in the SCAG region, or within a reasonable hauling distance of the project site.

3) Design transportation network improvements in a manner (such as buffer zones or the use of screening) that does not preclude adjacent or nearby extraction of known mineral and aggregate

resources following completion of the improvement and during long-term operations.

4) Avoid or reduce impacts on known aggregate and mineral resources and mineral resource recovery sites through the evaluation and selection of project sites and design features (e.g., buffers) that minimize impacts on land suitable for aggregate and mineral resource extraction by maintaining portions of MRZ2 areas in open space or other general plan land use categories and zoning that allow for mining of mineral resources.

Applicability to the Project

The Project would not result in the loss of availability of a regionally valuable mineral resource. Therefore, **PMM MIN-1** is not applicable to the Project.

Impact Analysis

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. No mineral extraction operations currently occur on the Project Site and none are proposed by the Project. The Project Site is located within an urbanized area and has been previously disturbed by development. As such, the potential for mineral resources to occur on-site is low.

The Project Site is located within the LA City Oil Field, which is one of 25 city designated major oil drilling areas. This designation is a broad swath of land generally from Vermont Avenue in the west to the I-110 Freeway to the east, and from Third Street and Dodger Stadium area in the north to Wilshire Boulevard in the south.[161]

According to California Department of Conservation maps, no oil wells exist on the Project Site.[162] The nearest wells (API 03725883, API 03725884, and API 03725886) are identified as Buried-Idle and were located two blocks south of the Site at the corner of Sunset Boulevard and Bellevue Avenue. Much of the area identified has been developed with structures and is inaccessible for mining extraction. Furthermore, the Site is surrounded by dense urban uses, hilly roads, and sensitive residential receptors. Therefore, the Project would not exacerbate environmental hazards relative to oil wells.

Furthermore, the Project Site is not located within a City-designated Mineral Resource Zone (MRZ) or Surface Mining District where significant mineral deposits are known to be present or within a mineral producing area as classified by the California Geologic Survey.[163,164,165] Much of

161 Geotechnical, Oil/Gas Fields layer, https://navigatela.lacity.org/navigatela/, accessed October 5, 2023.

162 California Department of Conservation Wellfinder map: https://maps.conservation.ca.gov/doggr/wellfinder/, accessed October 5, 2023.

163 City of Los Angeles, Department of City Planning, Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, January 19, 1995. Figure GS-1.

164 State of California Department of Conservation, California Geologic Survey, Aggregate Sustainability in California, 2018.

165 City of Los Angeles, Conservation Element of the Los Angeles City General Plan, January 2001, Exhibit A, p. 86.

the area within the MRZ sites in Los Angeles was developed with structures prior to the MRZ classification and, therefore, are unavailable for extraction.[166] The Site is not within an MRZ. Neither the Project Site nor the surrounding area is identified as an area containing mineral deposits of regional or statewide significance. Therefore, the Project would not result in the loss of availability of a known mineral resource, and no impact would occur.

b) Would the project result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. No mineral extraction operations currently occur on the Project Site. Furthermore, the Project Site is not located within a City-designated Mineral Resource Zone where significant mineral deposits are known to be present, or within a mineral producing area as classified by the California Geological Survey. According to the Conservation Element of the City of Los Angeles General Plan, sites that contain potentially significant sand and gravel deposits which are to be conserved follow the Los Angeles River flood plain, coastal plain, and other water bodies and courses and lie along the flood plain from the San Fernando Valley through downtown Los Angeles. Much of the area identified has been developed with structures and is inaccessible for mining extraction.[167]

Furthermore, the Site is surrounded by dense urban uses, hilly roads, and sensitive residential receptors. Thus, the Site would not be an adequate candidate for mineral extraction. Therefore, the Project would not result in the loss of availability of a mineral resource or a mineral resource recovery site, and no impact would occur.

Cumulative Impacts

Less Than Significant Impact. The nine Related Projects are located within a developed, urbanized area of the City and do not support existing or future mineral extraction. It is unknown whether or not any of the Related Project sites contain mineral resources of local or regional importance. Regardless, since the Project would have no impact on the availability of known mineral resources, it would not contribute to a potential cumulative impact.

As such, the Project's contribution to cumulative impacts would not be cumulatively considerable and there would be no cumulative impact.

166 City of Los Angeles Department of City Planning, Conservation Element, adopted September 2001, page II-58.

167 City of Los Angeles, Conservation Element of the General Plan, September 16, 2001; pg II-57.

1.13 Noise

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project result in:				
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

This section is based on the following items, which are included as **Appendix I** to this SCEA:

I-1 Noise Technical Report and Technical Appendix, DKA Planning, October 2023

I-2 Vibration Technical Report and Technical Appendix, DKA Planning, October 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM NOI-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects that physically divide a community, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Install temporary noise barriers during construction.

b) Include permanent noise barriers and sound-attenuating features as part of the project design. Barriers could be in the form of outdoor barriers, sound walls, buildings, or earth berms to attenuate noise at adjacent sensitive uses.

c) Schedule construction activities consistent with the allowable hours pursuant to applicable general plan noise element or noise ordinance.

d) Post procedures and phone numbers at the construction site for notifying the Lead Agency staff, local Police Department, and construction contractor (during regular construction hours and off-hours), along with permitted construction days and hours, complaint procedures, and who to notify in the event of a problem.

e) Notify neighbors and occupants within 300 feet of the project construction area at least 30 days in advance of anticipated times when noise levels are expected to exceed limits established in the noise element of the general plan or noise ordinance.

f) Designate an on-site construction complaint and enforcement manager for the project.

g) Ensure that construction equipment are properly maintained per manufacturers' specifications and fitted with the best available noise suppression devices (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds silencers, wraps). All intake and exhaust ports on power equipment shall be muffled or shielded.

h) Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.

i) Where feasible, design projects so that they are depressed below the grade of the existing noise-sensitive receptor, creating an effective barrier between the roadway and sensitive receptors.

j) Where feasible, improve the acoustical insulation of dwelling units where setbacks and sound barriers do not provide sufficient noise reduction.

k) Using rubberized asphalt or "quiet pavement" to reduce road noise for new roadway segments, roadways in which widening or other modifications require re-pavement, or normal reconstruction of roadways where repavement is planned.

l) Projects that require pile driving or other construction noise above 90 dBA in proximity to sensitive receptors, should reduce potential pier

drilling, pile driving and/or other extreme noise generating construction impacts greater than 90 dBA; a set of site-specific noise attenuation measures should be completed under the supervision of a qualified acoustical consultant.

m) Use land use planning measures, such as zoning, restrictions on development, site design, and buffers to ensure that future development is compatible with adjacent transportation facilities and land uses.

n) Monitor the effectiveness of noise reduction measures by taking noise measurements and installing adaptive mitigation measures to achieve the standards for ambient noise levels established by the noise element of the general plan or noise ordinance.

o) Use equipment and trucks with the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds, wherever feasible) for project construction.

p) Stationary noise sources can and should be located as far from adjacent sensitive receptors as possible and they should be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the Lead Agency (or other appropriate government agency) to provide equivalent noise reduction.

q) Use of portable barriers in the vicinity of sensitive receptors during construction.

r) Implement noise control at the receivers by temporarily improving the noise reduction capability of adjacent buildings (for instance by the use of sound blankets), and implement if such measures are feasible and would noticeably reduce noise impacts.

s) Monitor the effectiveness of noise attenuation measures by taking noise measurements.

t) Maximize the distance between noise-sensitive land uses and new roadway lanes, roadways, rail lines, transit centers, park-and-ride lots, and other new noise-generating facilities.

u) Construct sound reducing barriers between noise sources and noise-sensitive land uses.

v) Stationary noise sources can and should be located as far from adjacent sensitive receptors as possible and they should be muffled and enclosed within temporary sheds, incorporate insulation barriers,

or use other measures as determined by the Lead Agency (or other appropriate government agency) to provide equivalent noise reduction.

w) Use techniques such as grade separation, buffer zones, landscaped berms, dense plantings, sound walls, reduced-noise paving materials, and traffic calming measures.

x) Locate transit-related passenger stations, central maintenance facilities, decentralized maintenance facilities, and electric substations away from sensitive receptors to the maximum extent feasible.

y) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities.

Applicability to the Project

As described below, while the Project does not have the potential to result in significant noise impacts related to Project operation, there is a potential for significant construction-related noise impacts to occur. Therefore, the Project would implement Project-specific **Mitigation Measures MM-NOI-1** through **MM-NOI-3,** which would be equal to or more effective that the measures outlined in **PMM NOI-1**. Thus, **PMM NOI-1** would not be incorporated into the Project.

PMM NOI-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to violating air quality standards, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) For projects that require pile driving or other construction techniques that result in excessive vibration, such as blasting, determine the potential vibration impacts to the structural integrity of the adjacent buildings within 50 feet of pile driving locations.

b) For projects that require pile driving or other construction techniques that result in excessive vibration, such as blasting, determine the threshold levels of vibration and cracking that could damage adjacent historic or other structure, and design means and construction methods to not exceed the thresholds.

c) For projects where pile driving would be necessary for construction due to geological conditions, utilize quiet pile driving techniques such as predrilling the piles to the maximum feasible depth, where feasible. Predrilling pile holes will reduce the number of blows required to completely seat the pile and will concentrate the pile driving activity closer to the ground where pile driving noise can be shielded more effectively by a noise barrier/curtain.

d) Restrict construction activities to permitted hours in accordance with local jurisdiction regulation.

e) Properly maintain construction equipment and outfit construction equipment with the best available noise suppression devices (e.g., mufflers, silences, wraps).

f) Prohibit idling of construction equipment for extended periods of time in the vicinity of sensitive receptors.

Applicability to the Project

As analyzed below, the Project would not result in significant impacts related to vibration. In addition, the Project would not require pile driving. Moreover, the remaining measures outlined in **PMM NOI-2** would apply to the Project either through compliance with existing regulatory requirements (e.g., restriction of construction hours and prohibition of extended idling) or through implementation of Project-specific mitigation (e.g., **MM-NOI-3**'s requirement for use of noise suppression measures), which would be equal to or more effective than the measures outlined in **PMM NOI-2**. Thus, **PMM NOI-2** would not be incorporated into the Project.

Impact Analysis

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact with Mitigation Incorporated

Existing Noise Environment

Some land uses are considered more sensitive to noise than others based on the types of activities typically involved at the receptor location. The City's Noise Element defines noise-sensitive land uses as single-family and multi-unit dwellings, long-term care facilities (including convalescent and retirement facilities), dormitories, motels, hotels, transient lodging, and other residential uses; houses of worship; hospitals; libraries; schools; auditoriums; concert halls; outdoor theaters; nature and wildlife preserves; and parks.

Six off-site noise receptor locations in proximity to the Project were selected, representing the nearest noise sensitive uses surrounding the Project Site. Noise-sensitive receptors within 0.25 miles of the Project Site include, but are not limited to, the following representative sampling:

- Residences, Everett Street (west side); as close as five feet east of the Project Site.
- Residential structures[168], 1251-1255 Sunset Boulevard, five feet north of the Project Site.

[168] Note these structures are abandoned and have been since at least early 2021. However, for conservative analysis, this analysis assumes these could be sensitive receptors that could be re-occupied.

- Residences, Everett Street (east side); 60 feet east of the Project Site.
- Residences, Sunset Boulevard (west side); as close as 100 feet west of the Project Site.
- Residences, 1190 Sunset Boulevard; 110 feet west of the Project Site.
- Residences, 1271 Sunset Boulevard; 200 feet north of the Project Site.
- Everett Park, 250 feet east of the Project Site.
- Preschool, 707 Kensington Road; about 500 feet west of the Project Site.

The Project Site is currently vacant of any structures. As such, there is no noise generated at the Project Site.

Traffic is the primary source of noise near the Project Site, largely from the operation of vehicles with internal combustion engines and frictional contact with the ground and air.[169] This includes traffic on Sunset Boulevard, which carries about 2,857 north- and southbound vehicles at Everett Street in the A.M. peak hour.[170]

In February 2023, DKA Planning took short-term noise measurements near the Project Site to determine the ambient noise conditions of the neighborhood near sensitive receptors.[171] The ambient noise measurements were taken in accordance with the City's standards, which require ambient noise to be measured over a period of at least 15 minutes.

As shown in **Table 5.13-1**, noise levels along roadways near the Project Site ranged from 62.7 dBA L_{eq} on Everett St to 74.7 dBA L_{eq} on Sunset Boulevard, noise levels that are generally consistent with the traffic volumes on the applicable street(s).

Based on field observation and measured sound data, the current ambient noise environment in the vicinity of the Project Site is controlled primarily by vehicular traffic on local roadways (i.e., Sunset Boulevard). Consistent with LAMC procedures, the measured existing ambient noise levels are used as the baseline conditions for the purposes of determining Project impacts.

Figure 5.13-1 illustrates where ambient noise levels were measured near the Project Site to establish the noise environment and their relationship to the applicable sensitive receptor(s). 24-hour CNEL noise levels are generally considered "Conditionally Acceptable" and "Normally Unacceptable" for the types of land uses near the Project Site.

169 World Health Organization, https://www.who.int/docstore/peh/noise/Comnoise-2.pdf accessed March 18, 2021.

170 Transportation Assessment, Fehr & Peers, October 2023.

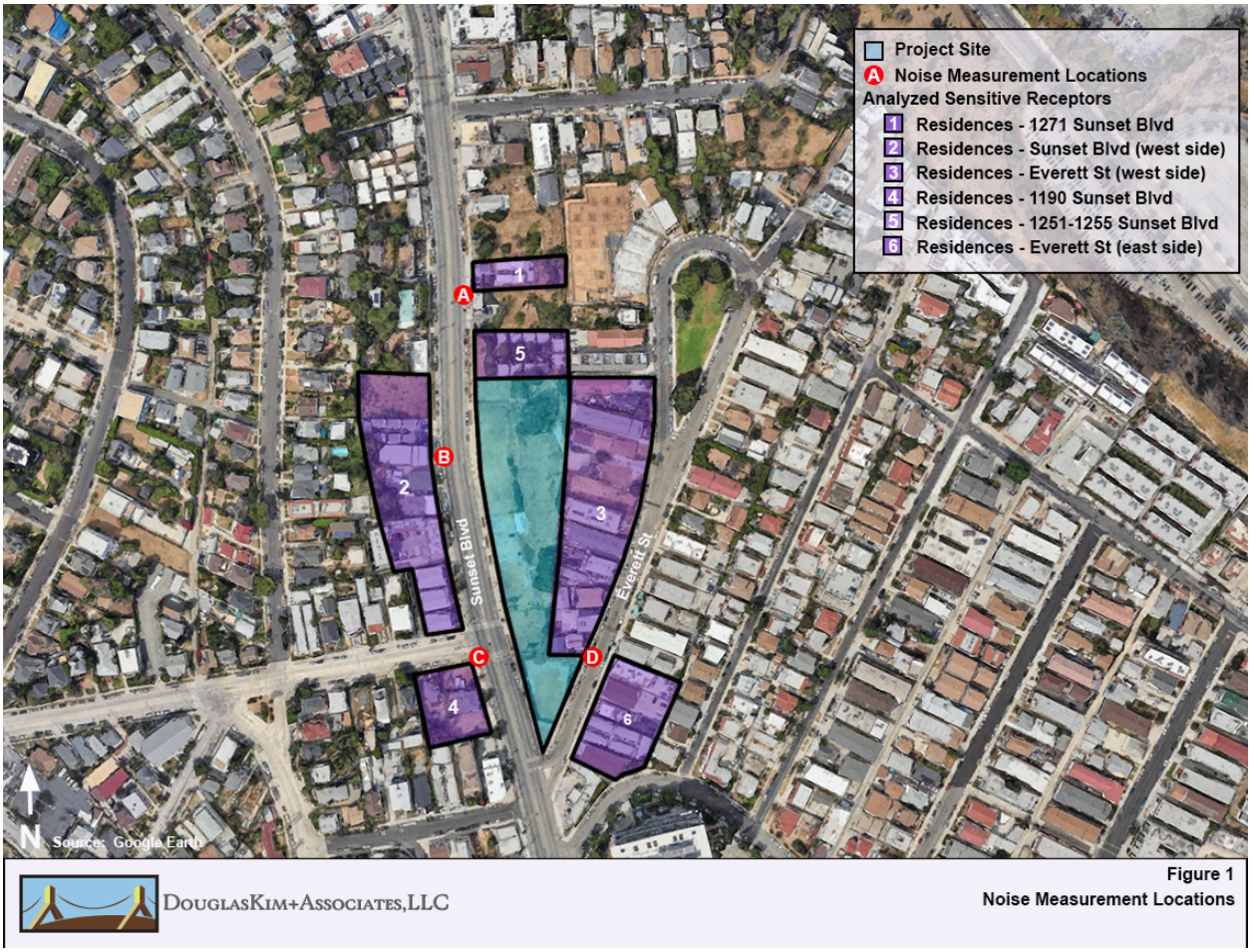
171 Noise measurements were taken using a Quest Technologies Sound Examiner SE-400 Meter. The Sound Examiner meter complies with the American National Standards Institute (ANSI) and International Electrotechnical Commission (IEC) for general environmental measurement instrumentation. The meter was equipped with an omni-directional microphone, calibrated before the day's measurements, and set at approximately five feet above the ground.

Table 5.13-1
Existing Noise Levels

Noise Measurement Locations	Primary Noise Source	Sound Levels		Nearest Sensitive Receptor(s)	Noise/Land Use Compatibility[b]
		dBA (L_{eq})	dBA (CNEL)[a]		
A. 1257 Sunset Bl.	Traffic on Sunset Bl.	71.4	69.4	1. Residences, 1271 Sunset Bl.; 5. Residences,1251-1255 Sunset Bl.	Conditionally Acceptable
B. 1235 Sunset Bl.	Traffic on Sunset Bl.	74.7	72.7	2. Residences, Sunset Bl. (west side)	Normally Unacceptable
C. 1190 Sunset Bl	Traffic on Sunset Bl.	72.5	70.5	4. Residences, 1190 Sunset Bl.	Normally Unacceptable
D. 941 Everett St.	Traffic on Sunset Bl.	62.7	60.7	3. Residences, Everett St. (west side); 6. Residences, Everett St. (east side)	Conditionally Acceptable

[a] Estimated based on short-term (15-minute) noise measurement using Federal Transit Administration procedures from 2018 Transit Noise and Vibration Impact Assessment Manual, Appendix E, Option 4.
[b] Pursuant to California Office of Planning and Research "General Plan Guidelines, Noise Element Guidelines, 2017. When noise measurements apply to two or more land use categories, the more noise-sensitive land use category is used. See Table 2 above for definition of compatibility designations.
Source: DKA Planning, 2023

Figure 5.13-1
Noise Measurement Locations



Construction Noise

On-Site Construction

Construction would generate noise during the construction process that would span 30 months of demolition, site preparation, grading, utilities trenching, building construction, and application of architectural coatings. During all construction phases, noise-generating activities could occur at the Project Site between 7:00 A.M. and 9:00 P.M. Monday through Friday, in accordance with LAMC Section 41.40(a). On Saturdays, construction would be permitted to occur between 8:00 A.M. and 6:00 P.M.

Noise levels would generally peak during the demolition and grading phases, when diesel-fueled heavy-duty equipment like excavators and dozers are used to move large amounts of debris and dirt, respectively. This equipment is mobile in nature and does not always operate at in a steady-state mode full load, but rather powers up and down depending on the duty cycle needed to conduct work. As such, equipment is occasionally idle during which time no noise is generated.

During other phases of construction (e.g., site preparation, trenching, building construction, architectural coatings), noise impacts are generally lesser because they are less reliant on using heavy equipment with internal combustion engines. Smaller equipment such as forklifts,

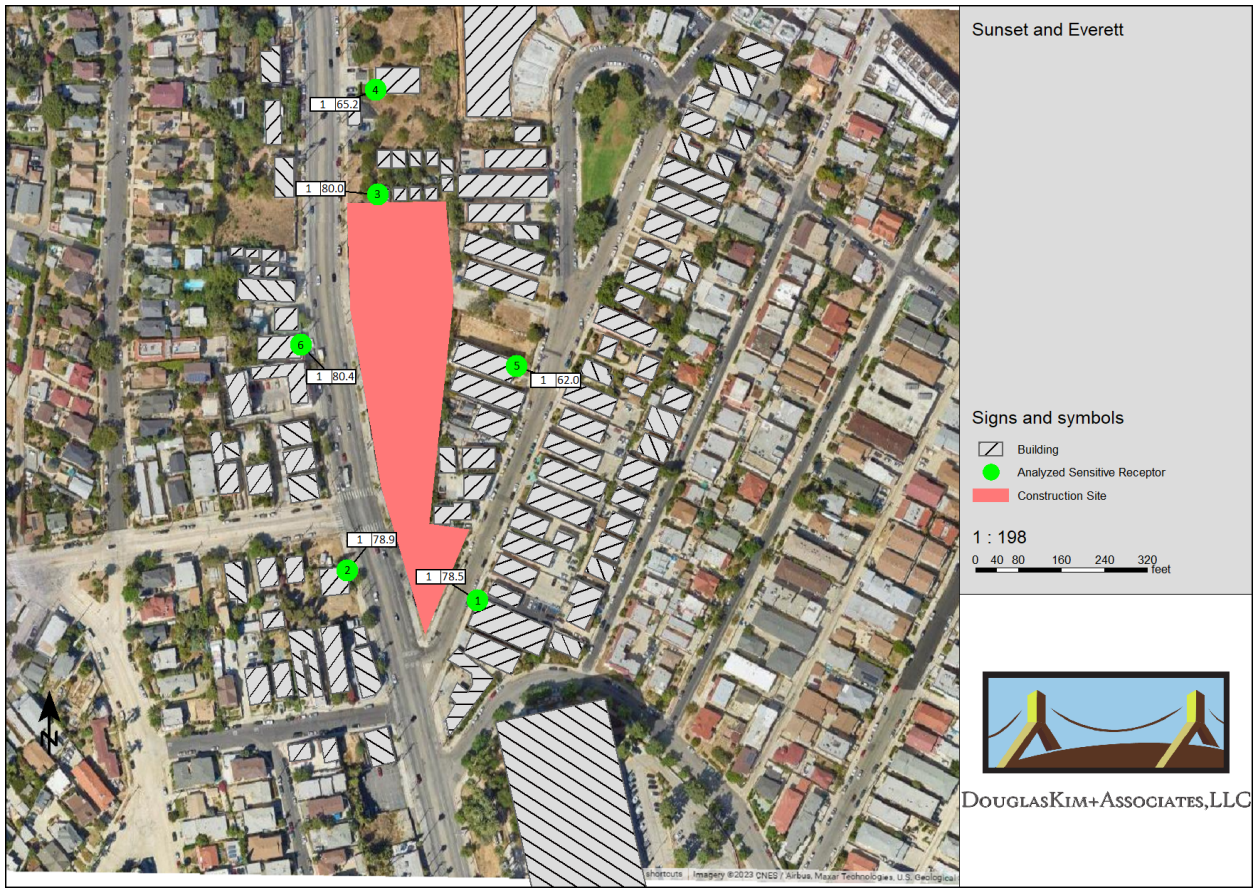
generators, and various powered hand tools and pneumatic equipment would often be utilized. Off-site secondary noises would be generated by construction worker vehicles, vendor deliveries, and haul trucks. **Figure 5.13-2** illustrates construction noise levels during the demolition and grading phases.

Because the Project's construction phase would occur for more than three months, the applicable City threshold of significance for the Project's construction noise impacts is an increase of 5 dBA over existing ambient noise levels. As shown in **Table 5.13-2**, when considering ambient noise levels, the use of multiple pieces of powered equipment simultaneously would increase ambient noise levels anywhere from 0.9 dBA L_{eq} to 15.9 dBA L_{eq} at the six analyzed sensitive receptors during the building construction phase, where approximately twenty pieces of equipment could concurrently operate. These construction noise levels would exceed the City's significance threshold of 5 dBA. Therefore, the Project's on-site construction noise impact would be significant prior to implementation of mitigation.

Table 5.13-2
Construction Noise Impacts at Off-Site Sensitive Receptors (Without Mitigation)

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant ?
1. Residences, 1271 Sunset Bl.	65.2	71.4	72.3	0.9	No
2. Residences, Sunset Bl (west side)	80.4	74.7	81.4	6.7	Yes
3. Residences, Everett St. (west side)	62.0	62.7	65.4	2.7	No
4. Residences, 1190 Sunset Bl.	78.9	72.5	79.8	7.3	Yes
5. Residences, 1251-1255 Sunset Bl.	80.0	71.4	80.6	9.2	Yes
6. Residences, Everett St. (east side)	78.5	62.7	78.6	15.9	Yes
Source: DKA Planning, 2023.					

Figure 5.13-2
Construction Noise Impacts at Sensitive Receptors (Without Mitigation)



Mitigation Measures

MM-NOI-1: Construction staging shall be located as far from sensitive receptors as possible.

MM-NOI-2: Temporary sound barriers capable of attenuating construction noise (e.g., construction sound barrier with sound blankets) and blocking the line-of-sight between the adjacent sensitive receptors shall be installed. Such barriers shall be capable of reducing sound pressure by at least 2.4 dBA L_{eq} at 1190 Sunset Boulevard; 4.3 dBA L_{eq} at 1251-1255 Sunset Boulevard; 1.8 dBA L_{eq} at off-site receptors to the west across Sunset Boulevard; and 11.0 dBA L_{eq} at off-site receptors at 906-924 Everett Street.

MM-NOI-3: All powered construction equipment shall be equipped with advanced exhaust mufflers or other noise reduction devices.

Implementation of **Mitigation Measures MM-NOI-1** through **MM-NOI-3** would substantially reduce noise exposure at all off-site sensitive receptors below a 5 dBA L_{eq} increase in ambient noise levels, as shown in **Table 5.13-3**.

Table 5.13-3
Construction Noise Impacts at Off-Site Sensitive Receptors (With Mitigation)

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant ?
1. Residences, 1271 Sunset Bl.	65.2	71.4	72.3	0.9	No
2. Residences, Sunset Bl (west side)	77.9	74.7	79.6	4.9	No
3. Residences, Everett St. (west side)	62.0	62.7	65.4	2.7	No
4. Residences, 1190 Sunset Bl.	75.7	72.5	77.4	4.9	No
5. Residences, 1251-1255 Sunset Bl.	74.6	71.4	76.3	4.9	No
6. Residences, Everett St. (east side)	65.9	62.7	67.6	4.9	No
Source: DKA Planning, 2023.					

Off-Site Construction

The Project would also generate noise at off-site locations from haul trucks moving debris and soil from the Project Site during demolition and grading activities, respectively; vendor trips; and worker commute trips during construction. These activities would generate up to an estimated 431 peak hourly PCE vehicle trips, as summarized in **Table 5.13-4**, during the building construction phase.[172] This would represent about 15.1 percent of traffic volumes on Sunset Boulevard, which carries about 2,857 north- and southbound vehicles at Everett Street in the A.M. peak hour.[173]

Because workers and vendors will likely use more than one route to travel to and from the Project Site, this conservative assessment of traffic volumes overstates the likely traffic volumes from construction activities at this intersection.

Sunset Boulevard would serve as part of the haul route for debris and soil exported from the Project Site given its access to the Harbor and Hollywood Freeways. Because the Project's construction-related trips would not cause a doubling in traffic volumes (i.e., 100 percent increase) on Sunset Boulevard, the Project's construction-related traffic would not increase existing noise levels by 3 dBA or more, which is less than the 5 dBA threshold of significance for off-site construction noise activities. Therefore, the Project's noise impacts from construction-related traffic would be less than significant.

172 This is a conservative, worst-case scenario, as it assumes all workers travel to the worksite at the same time and that vendor and haul trips are made in the same early hour, using the same route as haul trucks to travel to and from the Project Site.

173 Transportation Assessment, Fehr & Peers, October 2023.

Table 5.13-4
Construction Vehicle Trips (Maximum Hourly)

Construction Phase	Worker Trips [a]	Vendor Trips	Haul Trips	Total Trips	Percent of Peak A.M. Hour Trips on Sunset Blvd.[f]
Demolition	5	0	55[b]	60	2.1
Site Preparation	8	0	294[c]	302	10.6
Grading	20	0	291[d]	311	10.9
Trenching	8	0	0	8	0.3
Building Construction	284	147[e]	0	431	15.1
Architectural Coating	57	0	0	57	2.0

[a] Assumes all worker trips occur in the peak hour of construction activity.
[b] Assumes 1,344 square feet of billboard mixed debris at 10-feet of height = 498 CY divided by 10 CY haul truck capacity = 49.8 haul trucks x 2 = 100 one-way haul trips. Assumes 6,000 sq. ft. of asphalt/concrete at six inches of depth = 111 cubic yards divided by 10 CY haul truck capacity = 11.1 truck trips x 2 = 22 one-way haul trips. Thus, the project would generate 122 haul trips during demolition over a six-day period with seven-hour work days. Because haul trucks emit more noise than passenger vehicles, a 19.1 passenger car equivalency (PCE) was used to convert haul truck trips to a passenger car equivalent. 122 haul trips x 19.1 PCE factor = 2,230 PCEs divided by 7 hours of hauling a day over 6 days = 55.5 hourly PCE trips.
[c] Assumes 16,028 square feet of vegetative debris at 10 feet of height = 5,936 cubic yards divided by 10 CY haul truck capacity = 594 haul trucks x 2 = 1,187 one-way haul trips during site preparation. 1,187 haul trips x 19.1 PCE factor = 22,672 PCEs divided by 7 hours of hauling a day over eleven days = 194.4 hourly PCE trips.
[d] Assumes 40,000 CY of soil exported divided by 10 CY haul truck capacity = 4,000 haul trucks x 2 = 8,000 one-way haul trips during grading. 8,000 haul trips x 19.1 PCE factor = 152,800 PCEs divided by 7 hours of hauling a day over 75 days = 194.4 hourly PCE trips = 291 hourly PCE trips.
[e] This phase would generate about 54 vendor truck trips daily over a seven-hour work day. Assumes a blend of vehicle types and a 9.55 PCE. (54 trips x 9.55 PCE / 7 hours)
[f] Percent of existing traffic volumes on Sunset Boulevard at Everett Street, which carries about 2,857 north- and southbound vehicles in the A.M. peak hour. Transportation Assessment, Fehr & Peers, October 2023.
Source: DKA Planning, 2023

Operational Noise

Noise associated with Project operation would include: (a) on site stationary source noise, including outdoor mechanical equipment (e.g., HVAC equipment), parking facilities, and activities within the proposed outdoor spaces; and (b) off-site mobile source (roadway traffic) noise.

On-Site Operational Noise

Mechanical Equipment

The Project would operate mechanical equipment on each building, 91 feet above grade for Building A and 86 feet for Building B that would generate incremental long-term noise impacts. This analysis assumes the use of typical HVAC equipment heat pumps for each multi-family residence (e.g., 2.5-ton Carrier 24ABC630A003 Carrier 25HBC5), with each unit distributed across the roof as needed to serve each residence. Noise from heat pumps and air conditioners is a function of the model, airflow, and pressure flow generated by fans and compressors. Most

modern heat pumps are relatively quiet. While each unit would have a sound power of up to 76 dBA, the location on the roof would help shield the noise path to nearby sensitive receptors. As blocking the line of sight to a noise source generally results in a 5-decibel reduction, each rooftop unit would generate about 50.3 dBA at ten feet of distance.[174] Compliance with LAMC Section 112.02 would further limit the impact of HVAC equipment on noise levels at adjacent properties.

As summarized in **Table 5.13-5**, the operational noise impact of mechanical equipment, when combined with traffic noise from vehicles accessing the Project Site and outdoor noise sources (e.g., roof decks, pool) would not substantially elevate ambient CNEL noise levels.

Pad-mounted oil transformers that lower high voltage to standard household voltage used to power electronics, appliances and lighting would be located on the ground level in an unobstructed location fronting Sunset Boulevard at the western portion of the Project Site. These transformers are housed in a steel cabinet and generally do not involve pumps, though fans may be needed on some units. Switchgear responsible for distributing power through the development could be located externally, though no mechanical processes that generate noise would be necessary.

Otherwise, all other mechanical equipment would be fully enclosed within the structure. This can include mechanical, electrical, and plumbing rooms, a utility fan room, as well as elevator equipment (including hydraulic pump, switches, and controllers) in the subterranean basement. Vaults that house pool and spa equipment and pumps would be located in the three subterranean parking levels. All these activities would generally occur within the envelope of the development, operational noise would be shielded from off-site noise-sensitive receptors.

Table 5.13-5
Operational Noise Impacts at Off-Site Sensitive Receptors

Receptor	Existing Noise Level (dBA CNEL)	Composite Noise Impact* (dBA CNEL)	New Ambient Noise Level (dBA CNEL)	Threshold of Significance (dBA CNEL)	Significant?
1. Residences, 1271 Sunset Bl.	69.4	51.1	69.5	74.4	No
2. Residences, Sunset Bl (west side)	72.7	51.1	72.7	75.7	No
3. Residences, Everett St.	60.7	42.5	60.8	65.7	No
4. Residences, 1190 Sunset Bl.	70.5	45.0	70.5	73.5	No

* Includes Project traffic near the Project Site, mechanical equipment, and outdoor noise sources. See Technical Appendix for inventory of sources.
Source: DKA Planning, 2023.

Auto-Related Activities

The majority of vehicle-related noise impacts at the Project Site would come from vehicles entering and exiting the residential development from three driveways off Sunset Boulevard.

[174] Washington State Department of Transportation, Noise Walls and Barriers. https://wsdot.wa.gov/construction-planning/protecting-environment/noise-walls-barriers. Assumes the Carrier's rated sound power of 76 dB.

During the peak P.M. hour, 137 vehicles would generate noise in and out of the garage, with up to 152 vehicles using the garage in the peak A.M. hour.[175]

Nearby residences across Sunset Boulevard would have a direct line of sight to vehicle traveling on Sunset and accessing the Project's driveways, 100 feet or more away. The relative low number of vehicles accessing the development combined with the distance to sensitive receptors and ambient noise from traffic volumes would limit any elevation of ambient noise levels to less than 0.1 dBA CNEL, well below the 5 dBA threshold of significance for operational sources of noise.

As summarized in **Table 5.13-5** (above), the operational noise impact of traffic noise from vehicles accessing the Project Site, when combined with rooftop mechanical equipment and outdoor noise sources (e.g., roof decks, pool) would not substantially elevate ambient CNEL noise levels.

Parking garage noise would include tire friction as vehicles navigate to and from parking spaces, doors slamming, car alarms, and minor engine acceleration. Most of these sources are instantaneous (e.g., car alarm chirp, door slam) while others may last a few seconds. Parking garage-related noise impacts would be negligible given their location in an enclosed garage would limit any line of sight from the garage. As such, the Project's parking garage activities would not have a significant impact on the surrounding noise environment.

Outdoor Uses

While most operations would be conducted inside the development, outdoor activities could generate noise that could impact local sensitive receptors. This would include human conversation, recreation, trash collection, landscape maintenance, and commercial loading. These are discussed below:

- Human conversation. While noise associated with everyday residential activities would largely occur internally within the development, there could include passive activities where human conversation, socializing, and passive recreation in outdoor spaces could occur, including:
    - Ground floor plaza. A 2,100 square-foot outdoor plaza would be located at the corner of Everett Street and Sunset Boulevard outside a retail space in Building B. This would be a shared use space for outdoor dining, socializing, or passive recreation (e.g., reading), with intermittent use largely during day or evening hours.
    - Second floor interior courtyard. This would be a shared use space for socializing or passive recreation (e.g., reading, walking), with intermittent use largely during day or evening hours. No powered speakers are proposed that would amplify either speech or music.
    - Private balconies on all floors on the north, east, and south elevations. These would be private spaces for residents used for socializing or passive recreation (e.g., reading), with intermittent use largely during day or evening hours. Some of these would be recessed into the building façade, reducing the sound path on three sides,

[175] Transportation Assessment, Fehr & Peers, October 2023.

while other open balconies would shield noise on one side. No powered speakers are proposed that would amplify either speech or music.

- Roof decks on Building B. A 1,065 square-foot deck on the western end of Building B's roof facing Sunset Boulevard and a 750 square-foot deck on the eastern end of the Building B at the corner of Sunset Boulevard and Everette Street are proposed. These use spaces for socializing, passive recreation (e.g., reading), with intermittent use largely during day or evening hours would be located about 78 feet above grade.

- Roof deck on Building A. A 3,010 square-foot deck centered on the southern edge of Building A's roof facing Sunset Boulevard is proposed, approximately 73 feet above grade. This would be a shared use space for socializing, passive recreation (e.g., reading), with intermittent use largely during day or evening hours.

The primary use of these spaces would be for human conversation, which would produce negligible noise impacts, based on the Lombard effect. This phenomenon recognizes that voice noise levels in face-to-face conversations generally increase proportionally to background ambient noise levels. Specifically, vocal intensity increases about 0.38 dB for every 1.0 dB increase in noise levels above 55 dB.[176] For example, the sound of a human voice at 60 dB would produce a noise level of 39 dB at ten feet, which would not elevate ambient noise levels at any of the analyzed sensitive receptors by more than 0.2 dBA L_{eq}. Moreover, noise levels from human speech would attenuate rapidly with greater distance, resulting in a 33 dB noise level at twenty feet, and 27 dB at 40 feet. Further, the infrequent nature of outdoor use of these spaces and any acoustic noise (e.g., speech) makes it impossible to individually or collectively elevate 24-hour noise levels by 5 dBA CNEL or more at any nearby noise-sensitive receptors.

- Recreation. A 45,000-gallon open air pool and spa are proposed along the northern portion of the Project Site between Buildings A and B. Socializing and swimming would occur during day, evening, and occasionally during night hours.

- Trash collection. On-site trash and recyclable materials for the residents would be managed from the waste collection area within the parking garage for each building that represents street level for the sloped site. Dumpsters would be moved to the street manually or with container handler trucks that use hydraulic-powered lifts that use beeping alerts during operation. Haul trucks would access solid waste from Sunset Boulevard, where solid waste activities would include use of trash compactors and hydraulics associated with the refuse trucks themselves. Noise levels of approximately 71 dBA L_{eq} and 66 dBA L_{eq} could be generated by collection trucks and trash compactors, respectively, at 50 feet of distance.[177] Because CNEL levels represent the energy average of sound levels during a 24-hour period, the modest sound power from a few minutes of trash collection activities during daytime hours would negligibly affect CNEL sound levels.

176 Acoustical Society of America, Volume 134; Evidence that the Lombard effect is frequency-specific in humans, Stowe and Golob, July 2013.

177 RK Engineering Group, Inc. Wal-Mart/Sam's Club reference noise level, 2003.

- Landscape maintenance. Noise from gas-powered leaf blowers, lawnmowers, and other landscape equipment can generated substantial bursts of noise during regular maintenance. For example, two gas powered leaf blowers with two-stroke engines and a hose vacuum can generate an average of 85.5 dBA L_{eq} and cause nuisance or potential noise impacts for nearby receptors.[178] The landscape plan focuses on a modest palette of accent trees and raised planters on the ground floor and upper floors where common space (i.e., outdoor patios, roof decks) that will minimize the need for powered landscaping equipment, as some of this can be managed by hand. Because CNEL levels represent the energy average of sound levels during a 24-hour period, the modest sound power from a few minutes of maintenance activities during daytime hours would negligibly affect CNEL sound levels.

- Commercial loading. On-site loading and unloading activities would be managed within the enclosed parking garages of each building, where they would be obscured from off-site sensitive receptors. As a result, there would be negligible noise impacts on off-site receptors and impacts would not increase CNEL noise levels at off-site locations. Further, LAMC Section 114.03 would regulate loading and unloading activities between 10:00 P.M. and 7:00 A.M.

As summarized in **Table 5.13-5**, the operational noise impact of traffic noise from vehicles accessing the Project Site, operation of rooftop mechanical equipment, outdoor noise sources (e.g., roof decks, pool) would not substantially elevate ambient CNEL noise levels. As such, the Project would not result in an exposure of persons to or a generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. The Project would also not increase surrounding noise levels by more than 5 dBA CNEL where ambient noise levels are "Conditionally Acceptable" and not more than 3 dBA CNEL where noise levels are currently considered "Normally Unacceptable." As a result, the Project's on-site operational noise impacts would be considered less than significant.

Off-Site Operational (Traffic) Noise

The majority of the Project's operational noise impacts would be off-site from vehicles traveling to and from the development. The Project would add up to 1,850 vehicle trips to the local roadway network on a peak weekday at the start of operations in 2027, including 152 and 137 vehicles entering and exiting the development during the peak A.M. and P.M. hours, respectively.[179] This would represent 4.7 and 4.4 percent of the 3,250 and 3,122 vehicles currently using Sunset Boulevard at Beaudry Avenue in the A.M. and P.M. peak hours, respectively.[180]

Because it takes a doubling of traffic volumes (i.e., 100 percent) to increase ambient noise levels by 3 dBA L_{eq}, the Project's traffic would neither increase ambient noise levels 3 dBA or more into "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, nor increase ambient noise levels 5 dBA or more. Twenty-four hour CNEL impacts would similarly be minimal, far below criterion for significant operational noise impacts, which begin at 3 dBA. As such, this impact would be considered less than significant.

178 Erica Walker et al, Harvard School of Public Health; Characteristics of Lawn and Garden Equipment Sound; 2017. These equipment generated a range of 74.0-88.5 dBA Leq at 50 feet.

179 Transportation Assessment, Fehr & Peers, October 2023.

180 Transportation Assessment, Fehr & Peers, October 2023.

Consistency with City General Plan Noise Element

While the City's Noise Element focuses on a number of measures for Citywide implementation by municipal government, there are some objectives, policies, and programs that are applicable to development projects. **Table 5.13-6** summarizes the Project's consistency with these.

Table 5.13-6
Project Consistency with City of Los Angeles General Plan Noise Element

Objective/Policy/Program	Project Consistency
Policy 2.2: Enforce and/or implement applicable city, state, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.	**Consistent.** The Project would comply with City, state, and other applicable noise regulations to ensure that noise impacts are considered less than significant.
Objective 3 (Land Use Development): Reduce or eliminate noise impacts associated with proposed development of land and changes in land use.	**Consistent.** The project is being evaluated under CEQA and would result in less-than-significant impacts on noise.
Program 11. For a proposed development project that is deemed to have a potentially significant noise impact on noise sensitive uses, as defined by this chapter, require mitigation measures, as appropriate, in accordance with California Environmental Quality Act and city procedures.	**Consistent.** The Project would not have a significant noise impact on noise-sensitive uses and as such, would not require mitigation under CEQA.
Program 12. When issuing discretionary permits for a proposed noise-sensitive use (as defined by this chapter) or a subdivision of four or more detached single-family units and which use is determined to be potentially significantly impacted by existing or proposed noise sources, require mitigation measures, as appropriate, in accordance with procedures set forth in the California Environmental Quality Act so as to achieve an interior noise level of a CNEL of 45 dB, or less, in any habitable room, as required by Los Angeles Municipal Code Section 91.	**Consistent.** The noise-sensitive project is being evaluated under CEQA and would before being entitled would comply with Building Code and Title 24 noise insulation requirements to achieve an interior noise level of 45 dB.
Source: DKA Planning, 2023.	

Conclusion

Based on the above, potential noise impacts associated with the Project construction and operation would be less than significant.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant

Existing Vibration Environment

In 2018, the Federal Transit Administration (FTA) published the Transit Noise and Vibration Impact Assessment Manual to aid in the estimation and analysis of vibration impacts. Typically, potential building and structural damages are the foremost concern when evaluating the impacts of construction-related vibrations. **Table 5.13-7** summarizes FTA's vibration guidelines for building and structural damage. While these are reference values for vibration levels at 25 feet of distance, this analysis uses logarithmic equations to determine whether building damage would occur regardless of actual distance between construction activity and nearby buildings.

Table 5.13-7
FTA Vibration Damage Potential Threshold Criteria

Structure and Condition	Threshold Criteria (in/sec PPV) at 25 Feet
I. Reinforced-concrete, steel or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12
Source: FTA "Transit Noise and Vibration Impact Assessment Manual", September 2018.	

The FTA Assessment Manual also cites criteria for cases where more detailed analysis may be required. For buildings consisting of concrete wall and floor foundations, masonry or concrete walls, or stone masonry retaining walls, continuous vibrations of 0.3 inches per second PPV can be damaging. For buildings consisting of steel or reinforced concrete, such as factories, retaining walls, bridges, steel towers, open channels, underground chambers and tunnels with and without concrete alignment, continuous vibrations of 0.5 inches per second PPV can be damaging.

The Project Site is currently vacant of any improvements. As such, there are no sources of groundborne vibration on the Project Site.

The primary source of groundborne vibration near the Project Site is vehicle travel. For example, Sunset Boulevard carries 3,250 and 3,122 vehicles at Beaudry Avenue in the A.M. and P.M. peak hours, respectively.[181] The blend of passenger vehicles, trucks, delivery trucks, transit buses, and other light-, medium-, and heavy-duty vehicles that travel this and other local roadways generate minimal levels of vibration. As noted by federal guidance, "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible…"[182] As such, vehicle movement generates

[181] Transportation Assessment, Fehr & Peers, October 2023.

[182] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, September 2018.

imperceptible ground vibration, with the occasional exception of heavy-duty vehicles that travel over speed bumps, potholes, and other street irregularities.

There are several buildings near the Project Site that could be exposed to groundborne vibration during construction and operation of the proposed development that include:

- Residential Structures, Everett Street (west side); one- and two-story structures as close as five feet east of the Project Site. These homes and structure would be considered Category III structures (non-engineered timber and masonry) under FTA guidelines.
- Residential Structures, 1251 Sunset Boulevard; five feet north of the Project Site. These bungalow structures would be considered Category III structures (non-engineered timber and masonry) under FTA guidelines.
- Residential and Commercial Structures, Sunset Boulevard (west side) as close as 100 feet west of the Project Site. These residences and commercial structures would be considered Category III structures (non-engineered timber and masonry) under FTA guidelines.

On-Site Construction Vibration Impacts

For the evaluation of construction-related vibration impacts, Federal Transit Administration (FTA) guidelines and recommendations are used given the absence of applicable state, County, or City standards specific to temporary construction activities. Heavy construction equipment (e.g. a bulldozer and excavator) would generate a limited amount of ground-borne vibration at short distances away from the source.

Construction equipment can produce groundborne vibration based on equipment and methods employed. While this spreads through the ground and diminishes in strength with distance, buildings on nearby soil can be affected. This ranges from no perceptible effects at the lowest levels, low rumbling sounds and perceptible vibration at moderate levels, and slight damage at the highest levels. **Table 5.13-8** summarizes vibratory levels for common construction equipment.

Table 5.13-8
Vibration Source Levels for Construction Equipment

Equipment	Approximate PPV at 25 feet (in/sec)
Pile Driver (impact)	0.644
Pile Drive (sonic)	0.170
Clam shovel drop (slurry wall)	0.202
Hydromill (slurry wall)	0.008
Vibratory Roller	0.210
Hoe Ram	0.089
Large Bulldozer	0.089
Caisson Drilling	0.089
Loaded Truck	0.076
Jackhammer	0.035
Small Bulldozer	0.003
Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.	

Groundborne vibration would be generated by a number of construction activities at the Project site. As a result of equipment that could include on-site bulldozer operations or the vibrational equivalent, vibration velocities of up to 0.191 inches per second PPV are projected to occur at all three structures, as shown in **Table 5.13-9**. These impacts are below the 0.2 in/sec PPV thresholds of significance for Category III structures. Other potential construction activities would produce less vibration and have lesser potential impacts on nearby sensitive receptors. As a result, construction-related structural vibration impacts would be considered less than significant.

Construction of the Project would protect adjacent properties during the excavation process by complying with California Civil Code Section 832. It would also comply with LAMC Section 91.3307 and applicable subsections that govern the protection of adjoining property.

In addition, **MM-NOI-1** for noise above, would require construction staging to be located as far from sensitive receptors as possible, which would further ensure reduced vibration levels at the receptors.

Table 5.13-9
Building Damage Vibration Levels – On-Site Sources

Off-Site Receptor Location	Distance to Project Site (feet)	Vibration Velocity Levels at Off-Site Sensitive Receptors from Construction Equipment (in/sec PPV)					Significance Criterion (PPV)	Potentially Significant Impact?
		Large Bulldozer	Caisson Drilling	Loaded Trucks	Jack-hammer	Small Bulldozer		
FTA Reference Vibration Level (25 Feet)	**N/A**	**0.089**	**0.089**	**0.076**	**0.035**	**0.003**	**--**	**--**
Residential Structures, Everett St.	15	0.191	0.191	0.164	0.075	0.006	0.20[a]	No
Residential Structures, 1251 Sunset Bl.	15	0.191	0.191	0.164	0.075	0.006	0.20[a]	No
Residential and Commercial Structures, Sunset Bl. (west side)	110	0.020	0.020	0.017	0.008	0.001	0.20[a]	No

[a] FTA criterion for Category III (non-engineered timber and masonry buildings)
Includes ten feet of buffer from Project Site property line to allow for equipment maneuverability.
Source: DKA Planning, 2023.

Off-Site Construction Vibration Impacts

Construction of the Project would generate trips from large trucks including haul trucks, concrete mixing trucks, concrete pumping trucks, and vendor delivery trucks. Regarding building damage, based on FTA data, the vibration generated by a typical heavy-duty truck would be approximately

63 VdB (0.006 PPV) at a distance of 50 feet from the truck.[183] According to the FTA "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads."

Nonetheless, there are buildings along the Project's anticipated haul route on Sunset Boulevard, Beaudry Avenue, Temple Street, and other local roadways to the US-101 that are situated away from the right-of-way and would be exposed to groundborne vibration levels of approximately 0.006 PPV. This estimated vibration generated by construction trucks traveling along the anticipated haul route(s) would be well below the most stringent building damage criteria of 0.12 PPV for buildings extremely susceptible to vibration. The Project's potential to damage roadside buildings and structures as the result of groundborne vibration generated by its truck trips would therefore be considered less than significant.

Operational Groundborne Vibration

The Project's day-to-day operations would include typical commercial-grade stationary mechanical and electrical equipment, such as air handling units, condenser units, and exhaust fans, which would produce groundborne vibration and noise. Building mechanical equipment installed as part of the Project would typically include vibration-attenuation mounts to reduce vibration transmission to the building. In addition, the primary sources of transient vibration would include passenger vehicle circulation within the parking garage.

During operation of the Project, there would be no significant stationary sources of groundborne vibration, such as heavy equipment or industrial operations. Operational groundborne vibration in the Project Site's vicinity would be generated by its related vehicle travel on local roadways. However as previously discussed, road vehicles rarely create vibration levels perceptible to humans unless road surfaces are poorly maintained and have potholes or bumps.

Due to the rapid attenuation characteristics of groundborne vibration, vibration due to Project operation at the off-site sensitive receptors would be well below the perceptible level. As a result, the Project's long-term vibration impacts would be less than significant.

Conclusion

Based on the above, groundborne vibration and groundborne noise impacts associated with the Project would be less than significant, and no mitigation is required.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project Site is not located within the vicinity of a private airstrip or an airport land use plan. The nearest airports are Los Angeles International Airport (LAX) located 11 miles southwest, Santa Monica Airport located 11.5 miles west, Hollywood-Burbank Airport located 10.5

183 Federal Transit Administration, "Transit Noise and Vibration Impact Assessment," May 2006, Figure 7-3.

miles northwest. Thus, the Project would not expose people residing or working in the vicinity of the Project Site to excessive airport-related noise levels. Therefore, no impact would occur.

Cumulative Impacts

Less Than Significant Impact. The Project, together with the Related Projects and future growth, could contribute to cumulative noise and vibration impacts. The potential for cumulative noise and vibration impacts to occur is specific to the distance between each Related Project and their stationary noise sources, as well as the cumulative traffic that these projects would add to the surrounding roadway network.

Construction Noise

On-Site Construction

During construction of the proposed Project, there could be other construction activity in the area that contributes to cumulative noise impacts at sensitive receptors. Construction-related noise levels from any Related Project would be intermittent and temporary. As with the Project, any Related Projects would comply with the LAMC's restrictions, including restrictions on construction hours and noise from powered equipment. Noise associated with cumulative construction activities would be reduced to the degree reasonably and technically feasible through proposed mitigation measures for each individual Related Project and compliance with the noise ordinance.

Noise from construction of development projects is typically localized and has the potential to affect noise-sensitive uses within 500 feet from the construction site, based on the L.A. CEQA Thresholds Guide screening criteria. Thus, noise from construction activities for two projects within 1,000 feet of each other can contribute to a cumulative noise impact for receptors located midway between.

There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (**Table 5.21-1** and **Figure 5.21-1**).[184] Of these, two are completed (Nos. 1 and 4) and one (No. 3) is under construction and would be completed and operational by the time the Project breaks ground in 2025.

In addition, only five Related Projects are within 1,000 feet of the Project (Nos. 3, 6, 7, 8, 9). The other four Related Projects (Nos. 1, 2, 4, 5) are more than 1,000 feet from the Project Site and with intervening building structures, which and therefore would not contribute to the cumulative on-site construction noise impacts.

Therefore, four Related Projects (Nos. 6, 7, 8, 9) have the potential for overlapping construction with the Project and contributing to cumulative air quality impacts. The impact of cumulative development on short-term construction and long-term operations noise is discussed below.

As illustrated in **Table 5.13-10**, the cumulative noise impacts at the analyzed sensitive receptors would be considered significant, as they would exceed 5.0 dBA L_{eq} at three of the five analyzed sensitive receptor (note that the sixth sensitive receptor at 1251 Sunset Boulevard is a Related

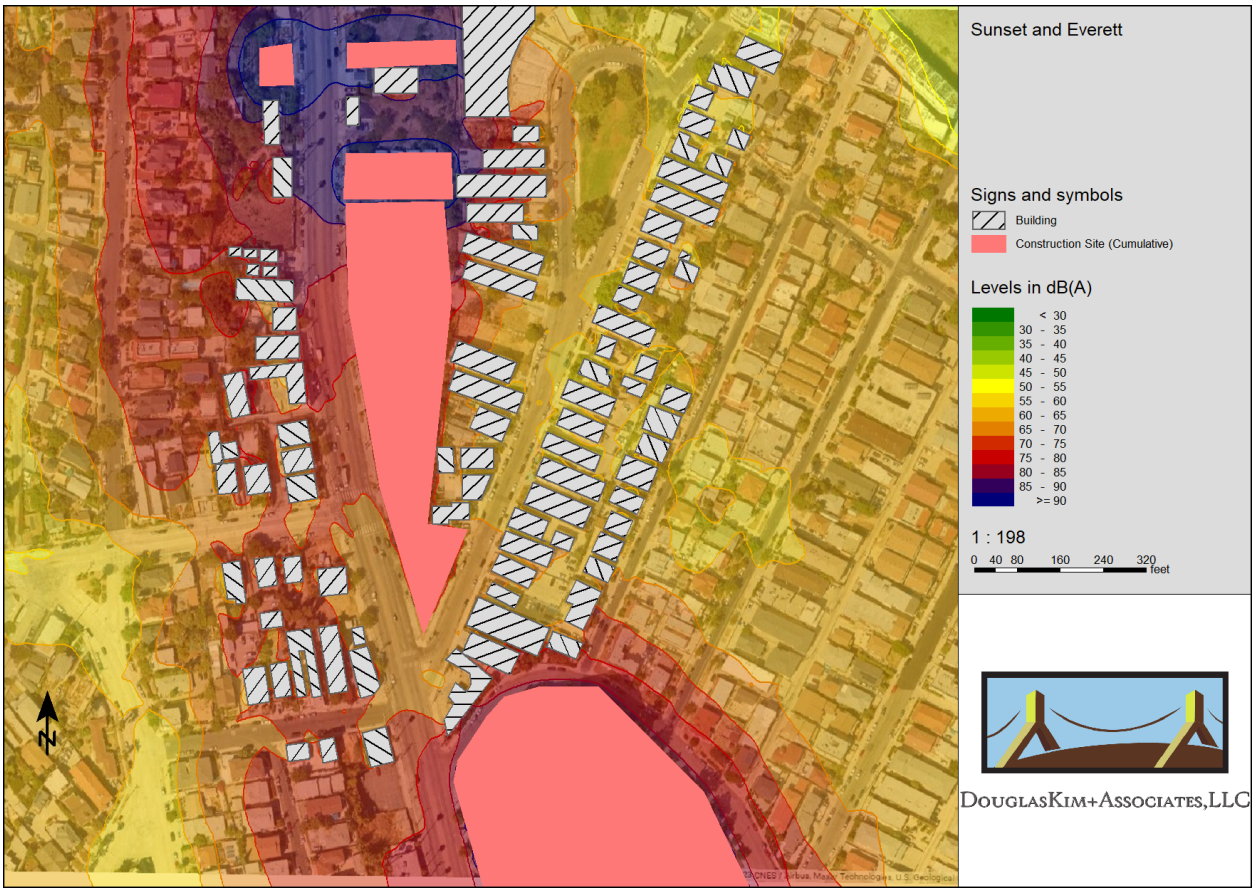
184 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

Project construction site that would remove the existing receptor). The noise contours from these Related Project(s) are illustrated in **Figure 5.13-3**. These cumulative noise levels at analyzed sensitive receptors are marginally higher than impacts from the Project alone, as more distant Related Projects have minimal impact on construction noise levels due to intervening structures that shield noise from more distant construction sites. Based on this, there would be a significant but mitigable cumulative noise impacts at any nearby sensitive uses located near the Project Site and Related Projects in the event of concurrent construction activities.

Table 5.13-10
Cumulative Construction Noise Impacts at Off-Site Sensitive Receptors

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant ?
1. Residences, 1271 Sunset Bl.	65.8	71.4	72.5	1.1	No
2. Residences, Sunset Bl (west side)	80.4	74.7	81.4	6.7	Yes
3. Residences, Everett St. (west side)	58.9	62.7	64.2	1.5	No
4. Residences, 1190 Sunset Bl.	79.0	72.5	79.9	7.4	Yes
5. Residences, Everett St. (east side)	78.5	62.7	78.6	15.9	Yes
Source: DKA Planning, 2023.					

Figure 5.13-3
Construction Noise Contours from Cumulative Development



However, with implementation of **Mitigation Measures MM-NOI-1** through **MM-NOI-3** for the proposed Project, cumulative noise impacts at the sensitive receptors analyzed in this report would drop substantially. As illustrated in **Table 5.13-11**, cumulative impacts would be lower than 5.0 dBA L_{eq} threshold of significance at all receptors. As a result, the Project's impact on cumulative construction noise levels is not considered significant.

Table 5.13-11
Cumulative Construction Noise Impacts at Off-Site Sensitive Receptors (With Mitigation)

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant ?
1. Residences, 1271 Sunset Bl.	64.7	71.4	72.2	0.8	No
2. Residences, Sunset Bl (west side)	74.2	74.7	77.5	2.8	No
3. Residences, Everett St. (west side)	54.1	62.7	63.3	0.6	No
4. Residences, 1190 Sunset Bl.	71.5	72.5	75.0	2.5	No
5. Residences, Everett St. (east side)	65.6	62.7	67.4	4.7	No
Source: DKA Planning, 2023.					

Off-Site Construction

Other concurrent construction activities from Related Projects can contribute to cumulative off-site impacts if haul trucks, vendor trucks, or worker trips for any Related Project(s) were to utilize the same roadways. Distributing trips to and from each Related Project construction site substantially reduces the potential that cumulative development could more than double traffic volumes on existing streets, which would be necessary to increase ambient noise levels by 3 dBA. The Project would contribute about 431 peak hourly PCE vehicle trips during the grading phase.[185] This would represent about 15.1 percent of traffic volumes on Sunset Boulevard, which carries about 2,857 north- and southbound vehicles at Everett Street in the A.M. peak hour.[186] Any Related Projects would have to add 2,426 peak hour vehicle trips to double volumes on Sunset Boulevard.[187]

The four Related Projects within 1,000 feet of the Project Site would not be capable of generating this much truck traffic:

- No. 6. 1274 Sunset Boulevard. This eight-room hotel with 1,470 square feet of restaurant space would be much smaller in scale than the Project and would likely not add more than 100 peak hour PCEs to Sunset Boulevard.

- No. 7. 1275 Sunset Boulevard. This 77-unit apartment development would be smaller in scale than the Project and would likely not add more than 200 peak hour PCEs to Sunset Boulevard.

- No. 8 1111 Sunset Boulevard. This mixed-use development with 737 apartment units; 180 hotel rooms; 48,000 square feet of office and 95,000 square feet of commercial development would be larger in scale than the Project. As such, it may add more than 900 peak hour PCEs to Sunset Boulevard.

- No. 9, 1251 Sunset Boulevard. This 70-unit apartment development would be smaller in scale than the Project and would likely not add more than 200 peak hour PCEs to Sunset Boulevard.

These four Related Projects would likely generate fewer than 1,500 PCEs during any peak hour of traffic, far fewer than the number needed to significantly elevate traffic noise by 5 dBA. As such, cumulative noise due to construction truck traffic from the Project and Related Projects do not have the potential to double traffic volumes on any roadway necessary to elevate traffic noise levels by 3 dBA, let alone the 5 dBA threshold of significance for traffic impacts. As such, cumulative noise impacts from off-site construction would be less than significant.

Operation Noise

The Project Site and Victor Heights neighborhood has been developed with residential and commercial land uses that have previously generated, and will continue to generate, noise from a number of operational noise sources, including mechanical equipment (e.g., HVAC systems),

185 This is a conservative, worst-case scenario, as it assumes all workers travel to the worksite at the same time and that vendor and haul trips are made in the same early hour, using the same route as haul trucks to travel to and from the Project Site.

186 Transportation Assessment, Fehr & Peers, October 2023.

187 2,857 volume existing - 431 PCE construction from Project = 2,426 net.

outdoor activity areas, and vehicle travel. The four Related Projects in the vicinity of the Project Site are residential or mixed-use in nature and would also generate stationary-source and mobile-source noise due to ongoing day-to-day operations. These types of uses generally do not involve use of noisy heavy-duty equipment such as compressors, diesel-fueled equipment, or other sources typically associated with excessive noise generation.

On-Site Stationary Noise Sources

Noise from on-site mechanical equipment (e.g., HVAC units) and any other human activities from Related Projects would not be typically associated with excessive noise generation that could result in increases of 5 dBA or more in ambient noise levels at sensitive receptors when combined with operational noise from the Project. The presence of intervening multi-story buildings along Sunset Boulevard and the residential neighborhoods that flank it will generally shield noise impacts from one or more projects that may generate operational noise.

Due to provisions set forth in the LAMC that limit stationary source noise from items, such as rooftop mechanical equipment, noise levels would be less than significant at the property line for each Related Project. In addition, as discussed above, noise impacts associated with operations within the Project Site would be less than significant. Therefore, based on the distance of the Related Projects from the Project Site and the operational noise levels associated with the Project, cumulative stationary source noise impacts associated with operation of the Project and Related Projects would be less than significant.

Therefore, cumulative stationary source noise impacts associated with operation of the Project and Related Projects would be less than significant.

Off-Site Mobile Noise Sources

The Project would add up to 1,850 vehicle trips to the local roadway network on a peak weekday at the start of operations in 2027, including up to 152 vehicle trips in the A.M. peak hour. Related Projects would have to generate 2,488 vehicle trips onto Sunset Boulevard in the peak A.M. hour to elevate noise by 3 dBA. Instead, the four nearby Related Projects would generate about 611 A.M. peak hour trips as shown in **Table 5.13-12**.

Table 513-12
Related Project Trip Generation

Related Project	Address	A.M. Peak Hour	P.M. Peak Hour
6	1274 Sunset Bl.[1]	24	29
7	1275 Sunset Bl. [1]	27	30
8	1111 Sunset Bl.[1]	531	668
9	1251 Sunset Bl.[2]	29	34
Total		**611**	**761**

[1] Transportation Assessment, Fehr & Peers, October 2023.
[2] 1251 Sunset Boulevard Technical Memorandum, Jano Baghdanian & Associates, August 2018.

When combined with the Project, these five developments would add 763 A.M. peak hour trips, a 26.7 percent increase in volume to traffic on Sunset Boulevard at Everett Street in the A.M. peak hour, assuming all vehicle trips use this roadway segment. As this would not increase traffic

volumes by 100 percent, cumulative noise impacts due to off-site traffic would not increase ambient noise levels by 3 dBA, let alone by the 5 dBA threshold of significance. Additionally, the Project would not result in an exposure of persons to or a generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

Therefore, cumulative noise impacts due to off-site traffic would not increase ambient noise levels by 3 dBA to or within their respective "Normally Unacceptable" or "Clearly Unacceptable" noise categories, or by 5 dBA or greater overall. Additionally, the Project would not result in an exposure of persons to or a generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

Construction Vibration

During construction of the Project, vibration impacts are generally limited to buildings and structures located near the construction site (i.e., within 15 feet as related to building damage). As noted earlier, the Project's potential to damage nearby buildings is less than significant. However, nearby structures could be subject to cumulative vibration impacts if concurrent construction and vibration activities were to occur within close proximity. Any such, Related Projects would need to limit or avoid use of pile drivers or other impacting equipment for any shoring of structures.

As illustrated in **Table 5.21-1**, all Related Projects are over 150 feet away from the Project Site with no possibility of cumulative impacts on any of the same sensitive receptors, except for No. 9 (1251 Sunset), which is 5 feet north of the Site. This location was also considered a sensitive receptor since it contains existing residential buildings that are vacant but could be re-occupied. As shown in Table 5.13-9 above, this location would not be subject to vibration impacts that exceed the threshold for building damage. As noted above, vibration impacts are limited to within 15 feet of the source of vibration. With the necessary distance for equipment maneuverability, the sources of vibration would be 15 feet from any sensitive receptor. As such, there are no identified or reasonably foreseeable Related Projects that could generate cumulative vibration impacts when the Project begins construction in late 2024. As such, there is no potential for a cumulative construction vibration impact that subjects nearby buildings to vibration levels that exceed the FTA's vibration damage criteria.

Off-Site Construction Vibration

While haul trucks from any Related Projects and other concurrent construction projects could generate additional vibration along haul routes, the potential to damage buildings is extremely low. The FTA finds that "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." The vibration generated by a typical heavy truck would be approximately 0.00566 in/sec PPV at a distance of 50 feet.

As discussed above, there are buildings near the right- of-way of the anticipated haul route for the Project (e.g., Sunset Boulevard, Beaudry Avenue). These buildings are anticipated to be exposed to groundborne vibration levels that are far less than the levels recommended by FTA as potential thresholds for building damage. Trucks from any Related Projects that would contribute truck trips to Sunset Boulevard, Beaudry Avenue, and other streets along the Project's

haul route are expected to generate similar groundborne vibration levels. Therefore, the vibration levels generated from off-site construction trucks associated with the Project and other Related Projects along the anticipated haul route(s) would be below the most stringent building damage threshold of 0.12 PPV for buildings extremely susceptible to vibration. Therefore, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant.

Due to the rapid attenuation characteristics of groundborne vibration and the proximity of major development proposed in the Victor Heights and Angelino Heights neighborhoods, there is no potential for a cumulative construction vibration impact with respect to building damage associated with groundborne vibration from on-site sources. In addition, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant. Therefore, on-site and off-site construction activities associated with the Project and one or more potential Related Projects would not generate excessive groundborne vibration levels with respect to building damage.

Operation Vibration

The Project Site and surrounding Sunset Boulevard corridor have been developed with commercial, residential, and other uses that will continue to generate minimal groundborne vibration. Similar to the Project, any Related Projects in the vicinity of the Project Site could generate vibration from ongoing day-to-day operations. However, given the commercial and residential zoning along Sunset Boulevard, and adjacent residential neighborhoods, any Related Projects would not be typically associated with excessive groundborne vibration from on-site sources. However, each project would produce traffic volumes that are capable of generating roadway vibration impacts.

On-Site Operation Vibration

During operation of the Project, vibration impacts are generally limited to buildings and structures located near the construction site (i.e., within 15 feet as related to building damage). In general, Related Projects in this corridor would be commercial retail, hotel, or residential land uses that do not operate impact equipment and operations and would not generate substantial vibration. As a result, operation of new cumulative development in the area would have no potential to exceed FTA vibration damage standards at off-site receptors.

Off-Site Operation Vibration

Like the Project, any concurrent development near the Project Site would contribute normal passenger vehicle traffic that would generate negligible changes to roadway vibration. Use of larger heavy-duty trucks for delivery of goods and materials would be intermittent and not result in significant, cumulative increases in groundborne vibration on Sunset Boulevard other local roadways. Therefore, potential cumulative vibration impacts with respect to building damage from off-site operations would be less than significant.

Due to the rapid attenuation characteristics of groundborne vibration and the proximity of major development proposed in this part of the Hollywood community, there is no potential for a cumulative operations vibration impact with respect to building damage associated with

groundborne vibration from on-site sources. In addition, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant. Therefore, on-site and off-site operations activities associated with the Project and one or more potential Related Projects would not generate excessive groundborne vibration levels with respect to building damage.

1.14 Population and Housing

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM POP-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce the displacement of existing housing, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Evaluate alternate route alignments and transportation facilities that minimize the displacement of homes and businesses. Use an iterative design and impact analysis where impacts to homes or businesses are involved to minimize the potential of impacts on housing and displacement of people.

b) Prioritize the use existing ROWs, wherever feasible.

c) Develop a construction schedule that minimizes potential neighborhood deterioration from protracted waiting periods between right-of-way acquisition and construction.

d) Review capacities of available urban infrastructure and augment capacities as needed to accommodate demand in locations where growth is desirable to the local lead Agency and encouraged by the SCS (primarily TPAs, where applicable).

e) When General Plans and other local land use regulations are amended or updated, use the most recent growth projections and RHNA allocation plan.

Applicability to the Project

As discussed below, the Project would not displace any existing housing units. Therefore, **PMM POP-1** is not applicable to the Project.

Impact Analysis

a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less Than Significant Impact. The Project proposes the development of a mixed-use project comprised of two buildings with 327 residential units that include 41 Very Low Income affordable units and approximately 9,462 square feet of ground-floor commercial space for a total floor area of 321,300 square feet. The construction of new residential units would increase the residential population within the Project Site and vicinity.

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino and Imperial Counties and addresses regional issues relating to transportation, the economy, community development, and the environment. With regard to future growth, SCAG's 2020–2045 RTP/SCS, which was approved by SCAG's Regional Council on September 3, 2020, provides population, housing, and employment projections for cities under its jurisdiction through 2045. The growth projections in the 2020–2045 RTP/SCS reflects the 2017 American Community Survey, employment data from the California Employment Development Department, population, and household data from the California Department of Finance, and extensive input from local jurisdictions in SCAG's planning area. The Project Site is located in SCAG's City of Los Angeles Subregion.

According to SCAG's 2020–2045 RTP/SCS, the forecasted population for the City of Los Angeles Subregion in 2023 is approximately 4,135,955 persons.[188] As projected by the 2020–2045 RTP/SCS, the City of Los Angeles Subregion is anticipated to have a population of approximately 4,251,472 persons in 2027, the projected occupancy year of the Project.[189] Therefore, the projected population growth between 2023 and 2027 is approximately 115,517 persons.

188 Based on a linear interpolation of SCAG's 2016–2045 data, the 2023 values for population, housing, and employment are calculated using SCAG's 2016 and 2045 values to find the average increase between years and then applying that annual increase to each year until 2023. 4,771,300 persons (2045) - 3,933,800 persons (2016) = 837,500 persons over 29 years = 28,879 persons/year. 2027 (buildout) - 2023 (existing) = 4 years x 28,879 = 115,517 persons over 4 years. https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal_demographics-and-growth-forecast.pdf?1606001579, accessed October 13, 2023.

189 Based on a linear interpolation of SCAG's 2016–2045 data, the 2027 values for population, housing, and employment are calculated using SCAG's 2016 and 2045 values to find the average increase between years and then applying that annual increase to each year until 2027.

Based on the City's VMT Calculator Documentation, the Project could generate a new residential population of approximately 773 residents.[190] The estimated 773 new residents generated by the Project would represent approximately 0.67 percent of the population growth forecasted by SCAG's 2020–2045 RTP/SCS in the City of Los Angeles Subregion between 2023 and 2027.[191]

The Project does not include the extension of roads or other infrastructure that would indirectly induce substantial population growth in the area. Therefore, the Project's residents would be well within SCAG's 2020–2045 population projection for the City of Los Angeles Subregion.

According to the 2020–2045 RTP/SCS, the forecasted number of households for the City of Los Angeles Subregion in 2023 is approximately 1,469,828 households.[192,193] As projected by the 2020–2045 RTP/SCS, the City of Los Angeles Subregion is anticipated to have approximately 1,528,586 households in 2027, the projected occupancy year of the Project.[194] Therefore, the projected household growth in the City between 2023 and 2027 is approximately 58,759 households.

The Project's 327 residential households added by the Project would constitute approximately 0.56 percent of the housing growth forecasted between 2023 and 2027 by SCAG's 2020–2045 RTP/SCS.[195]

The Project would also assist the City in meeting its fair share of regional housing need, provide new housing opportunities, and conform to City and regional policies supporting higher density, compact, infill housing development in an area well-served by transit. Therefore, the Project's households would be well within SCAG's 2020–2045 household projection for the City of Los Angeles Subregion.

In addition to the residential population, operation of the Project would generate new employment positions, which could result in increased population growth in the area. The Project's 9,462 square feet of ground-floor commercial space would generate approximately 38 new employees based on employee generation rates developed by the LADOT.[196]

190 City of Los Angeles VMT Calculator Documentation Guide, Table 1, May 2020, City of Los Angeles VMT Calculator Documentation Guide, Table 1. City of Los Angeles VMT Calculator Documentation, v1.3. LADOT population and employee numbers are shown on Table 1: https://ladot.lacity.org/sites/default/files/documents/vmt_calculator_documentation-2020.05.18.pdf. As shown, multi-family residential is 2.25 persons per unit and affordable family is 3.14 persons per unit.

191 773 persons / 115,517 persons x 100% = 0.67%

192 Based on a linear interpolation of SCAG's 2016–2045 data, the 2023 values for population, housing, and employment are calculated using SCAG's 2016 and 2045 values to find the average increase between years and then applying that annual increase to each year until 2023. 1,793,000 households (2045) - 1,367,000 households (2016) = 426,000 over 29 years = 14,689.6 households/year. 2027 (buildout) - 2023 (existing) = 4 years x 14,689.6 = 58,759 households over 4 years. https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal_demographics-and-growth-forecast.pdf?1606001579, accessed October 13, 2023.

193 SCAG forecasts "households," not housing units. As defined by the U.S. Census Bureau, "households" are equivalent to occupied housing units.

194 Based on a linear interpolation of SCAG's 2016–2045 data, the 2027 values for population, housing, and employment are calculated using SCAG's 2016 and 2045 values to find the average increase between years and then applying that annual increase to each year until 2027.

195 327 units / 58,759 units x 100% = 0.56%

196 Los Angeles Department of Transportation and Los Angeles Department of City Planning (DCP), City of Los Angeles VMT Calculator Documentation, May 2020, Table 1. Based on the employee generation rate of 4 employees per 1,000 square feet of High-Turnover Sit-Down Restaurant.

According to the 2020–2045 RTP/SCS, the employment forecast for the City of Los Angeles Subregion in 2023 is approximately 1,917,721 employees.[197] In 2027, the projected occupancy year of the Project, the City of Los Angeles Subregion is anticipated to have approximately 1,957,390 employees in 2027, the projected occupancy year of the Project.[198] Therefore, the projected employment growth in the City between 2023 and 2027 based on SCAG's 2020–2045 RTP/SCS is approximately 39,669 employees.

Thus, the Project's estimated 38 new employees would constitute approximately 0.1 percent of the employment growth forecasted between 2023 and 2027.[199] The provision of new jobs would constitute a small percentage of employment growth. It would not be considered "unplanned growth" and would not produce such a high quantity of new jobs that it would have the possibility to induce unplanned residential growth. Therefore, the Project would not cause an exceedance of SCAG's employment projections or induce substantial indirect population or housing growth related to Project-generated employment opportunities.

As analyzed above, the net new population and housing that would be generated by the Project would be within SCAG's population and housing projections for the City of Los Angeles Subregion. Therefore, the Project would not induce substantial unplanned population or housing growth, and impacts would be less than significant.

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The Project Site is vacant. As no housing currently exists on the Project Site, the Project would not cause the displacement of any persons, housing, or require the construction of housing elsewhere. Therefore, no impacts related to displacement of people or housing would occur.

Cumulative Impacts

Less Than Significant Impact. There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[200] The cumulative analysis takes into consideration the nine Related Projects. However, the Related Projects would not result in an exceedance of SCAG's projection populations, as they would include a relatively small amount of housing units. The Related Projects include 1,055 units which

197 Based on a linear interpolation of SCAG's 2016–2045 data, the 2023 values for population, housing, and employment are calculated using SCAG's 2016 and 2045 values to find the average increase between years and then applying that annual increase to each year until 2023.

198 Based on a linear interpolation of SCAG's 2016–2045 data, the 2027 values for population, housing, and employment are calculated using SCAG's 2016 and 2045 values to find the average increase between years and then applying that annual increase to each year until 2027. 2,135,900 employment (2045) - 1,848,300 employment (2016) = 287,600 over 29 years = 9,917.2 employment/year. 2027 (buildout) - 2023 (existing) = 4 years x 9,917.2 = 39,669 employment over 4 years. https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal_demographics-and-growth-forecast.pdf?1606001579, accessed October 13, 2023.

199 38 employees / 39,669 employment x 100% = 0.1%

200 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

could generate approximately 2,374 residents.[201] This is a conservative assumption that includes the completed Related Projects Nos. 1 and 4.

The estimated 2,374 new residents generated by the Related Projects would represent approximately 2.05 percent of the population growth forecasted by SCAG's 2020–2045 RTP/SCS in the City of Los Angeles Subregion between 2023 and 2027.[202]

The Related Projects' 1,055 residential households would constitute approximately 1.79 percent of the housing growth forecasted between 2023 and 2027 by SCAG's 2020–2045 RTP/SCS.[203]

Furthermore, as discussed above, the Project would not induce population growth beyond that included in the SCAG 2045 population projections contained in the 2020–2045 RTP/SCS. As such, the Project would not directly or indirectly contribute to significant cumulative impacts associated with population and housing, and cumulative impacts would be less than significant.

201 City of Los Angeles VMT Calculator Documentation Guide, Table 1, May 2020, City of Los Angeles VMT Calculator Documentation Guide, Table 1. City of Los Angeles VMT Calculator Documentation, v1.3. LADOT population and employee numbers are shown on Table 1: https://ladot.lacity.org/sites/default/files/documents/vmt_calculator_documentation-2020.05.18.pdf. As shown, multi-family residential is 2.25 persons per unit and affordable family is 3.14 persons per unit.

202 2,374 persons / 115,517 persons x 100% = 2.05%

203 1,055 units / 58,759 units x 100% = 1.79%

1.15 Public Services

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☒	☐
c. Schools?	☐	☐	☒	☐
d. Parks?	☐	☐	☒	☐
e. Other public facilities?	☐	☐	☒	☐

This section is based on the following items, which are included as **Appendix J** to this SCEA:

J-1 Police Response, Los Angeles Police Department, December 7, 2023

J-2 School Response, Los Angeles Unified School District, January 11, 2024

J-3 Park Response, Los Angeles Department of Recreation and Parks, October 30, 2023

J-4 Library Response, Los Angeles Public Library, October 12, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM PSP-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects of constructing new emergency response facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Coordinate with emergency response agencies to ensure that there are adequate governmental facilities to maintain acceptable service ratios, response times or other performance objectives for emergency response services and that any required additional construction of buildings is incorporated in to the project description.

b) Where current levels of services at the project site are found to be inadequate, provide fair share contributions towards infrastructure improvements, as appropriate and applicable, to mitigate identified CEQA impacts.

c) Project sponsors can and should develop traffic control plans for individual projects. Traffic control plans should include information on lane closures and the anticipated flow of traffic during the construction period. The basic objective of each traffic control plan (TCP) is to permit the contractor to work within the public right of way efficiently and effectively while maintaining a safe, uniform flow of traffic. The construction work and the public traveling through the work zone in vehicles, bicycles or as pedestrians must be given equal consideration when developing a traffic control plan.

Applicability to the Project

As analyzed below, existing facilities are capable of providing acceptable fire and emergency response services for the Project. Furthermore, the Project would be subject to existing regulations included in the City's Fire Code and LAMC related to emergency access. In addition, consistent with **PMM PSP-1(c)**, the Project would include **Project Design Feature PDF-TRAN-1**, which requires the preparation and implementation of a Construction Traffic Management Plan, which would ensure that adequate and safe access remains available within and near the Project Site during construction activities. Adherence to applicable regulatory measures and incorporation of **Project Design Feature PDF-TRAN-1** would be equal to or more effective than **PMM PSP-1**, and thus, it would not be applicable to the Project.

PMM PSS-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects of constructing new emergency response facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Where construction or expansion of school facilities is required to meet public school service ratios, require school district fees, as applicable.

Applicability to the Project

Consistent with **PMM PSS-1** and as discussed below, the Project Applicant shall pay required school fees to the Los Angeles Unified School District pursuant to SB 50. As the existing regulatory requirement regarding the payment of school fees would be equal to or more effective than **PMM PSS-1**, this measure is not applicable to the Project.

PMM PSL-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects of construction of new or altered library facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Where construction or expansion of library facilities is required to meet public library service ratios, require library fees, as appropriate and applicable, to mitigate identified CEQA impacts.

Applicability to the Project

Library funding is now mandated under the City Charter to be funded from property taxes, including those assessed against the Project, which would be to be used to offset the Project's potential incremental increased demand for library facilities and services. As the existing regulatory requirement regarding the payment of property taxes would be equal to or more effective than **PMM PSL-1**, this measure is not applicable to the Project.

Impact Analysis

a) Fire Protection?

Less Than Significant Impact. The analysis below relies on the following metrics from the LAFD to assess potential demands on fire protection and emergency medical services: the ability of the LAFD to provide adequate fire protection services based on current facilities, equipment, and staffing levels; response distances, emergency access, and response times; and fire flow requirements. The analysis is based on information available on the LAFD website.

LAFD provides fire protection and emergency medical services for the Project Site. The Project Site is located within LAFD's Central Bureau, which encompasses Downtown Los Angeles and surrounding communities.[204] The designated "first-in" station is Fire Station No. 3, located at 108 N. Fremont Avenue, approximately 0.8 miles south of the Project Site.[205] In addition, Fire Station No. 20 is located at 2144 Sunset Boulevard, approximately 1.2 miles northwest of the Project Site.

LAMC Chapter V, Article 7, Section 57.512.1 provides that response distances, which are based on land use and fire flow requirements and range from 0.75 mile for an engine company to 2 miles for a truck company, shall comply with Section 57.507.3.3. Where a site's response distance is greater than permitted, all structures must have automatic fire sprinkler systems.

According to LAMC Section 57.512.1,[206] response distances based on land use and fire-flow requirements shall comply with Table 57.507.3.3 (recreated below).[207]

This Project would be a high density development. For a high density residential land use, the maximum response distance is 1.5 mile for an engine company and 2 miles for a truck company. The maximum response distances for both fire suppression companies (engine and truck) must

204 LAFD Central Bureau: https://www.lafd.org/about/central-bureau, accessed October 5, 2023.

205 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

206 LAMC Section 57,512.1, http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode/chaptervpublicsafetyandprotection/article7fireprotectionandpreventionfirec?f=templates$fn=default.htm$3.0$vid=amlegal:losangelescamc$anc=JD57.512.

207 LAMC Table 57,507.3.3, http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode/chaptervpublicsafetyandprotection/article7fireprotectionandpreventionfirec?f=templates$fn=default.htm$3.0$vid=amlegal:losangelescamc$anc=JDTABLE57.507.3.3

be satisfied. According to LAMC Section 57.512.2[208], where a response distance is greater than that shown in Table 57.507.3.3 (table recreated below), all structures shall be constructed with automatic fire sprinkler systems. Additional fire protection shall be provided as required by the Fire Chief per LAMC Section 57.512.2.

Table 57.507.3.3
Response Distances That If Exceeded Require The Installation Of An Automatic Fire Sprinklers System

* Land Use	Required Fire-Flow	Maximum Response Distance	
		Engine Co.	Truck Co.
Low Density Residential	2,000 gpm from three adjacent hydrants flowing simultaneously	1-1/2 miles	2 miles
High Density Residential and Commercial Neighborhood	4,000 gpm from four adjacent hydrants flowing simultaneously	1-1/2 miles	2 miles
Industrial and Commercial	6,000 to 9,000 gpm from four hydrants flowing simultaneously	1 mile	1-1/2 miles
High Density Industrial and Commercial or Industrial (Principal Business Districts or Centers)	12,000 gpm available to any block (where local conditions indicate that consideration must be given to simultaneous fires, an additional 2,000 to 8,000 gpm will be required)	3/4 mile	1 mile
gpm – gallons per minute Land use designations are contained in the community plan elements of the General Plan for the City of Los Angeles. The maximum response distances for both L.A.F.D. fire suppression companies (engine and truck) must be satisfied. LAMC Table 57.507.3.3.			

As shown in **Table 5.15-1**, Fire Station No. 3 has an task light force (composed of a truck company and two engine companies).[209] Therefore, the Project Site is located within the distance identified by LAMC Section 57.512.1[210] (i.e. within 1.5 mile for an engine and 2 miles for a truck).

Since the Project Site is located within the distance identified by LAMC Section 57.507.3.3, it does not need automatic fire sprinkler systems. Additional fire protection shall be provided as required by the Fire Chief per LAMC Section 57.512.2.

208 LAMC Section 57,512.2, http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode/chaptervpublicsafetyandprotection/article7fireprotectionandpreventionfirec?f=templates$fn=default.htm$3.0$vid=amlegal:losangelescamc$anc=JD57.512.2.

209 LAFD: http://www.lafd.org/about/about-lafd/apparatus.

210 LAMC Section 57,512.1, http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode/chaptervpublicsafetyandprotection/article7fireprotectionandpreventionfirec?f=templates$fn=default.htm$3.0$vid=amlegal:losangelescamc$anc=JD57.512.

The Project Site is in an urbanized area completely surrounded by development. The Project Site is not located in a Very High Fire Hazard Severity Zone[211] or in the wildlands fire hazard Mountain Fire District.[212]

The Project Site is not within Fire District 1.[213] These are areas identified by the City that are required to meet additional developmental regulations to mitigate fire hazard related risks. There are nine areas located in Downtown, Hollywood, Wilshire, Beverly-Fairfax, Crenshaw, Century City, Westwood, Van Nuys, Venice, and San Pedro areas of the City. Fire District 1 limits the type of construction as defined in the California Building Code (CBC) to Types I, II and III, prohibits Types IV and V construction, and provides for additional fire life safety requirements. Fire District 1 is a building code provision found in Chapter 9, Article 1, Division 72 of the LAMC (Section 91.7201.1).[214]

Table 5.15-1
Fire Stations

No.	Address	Distance	Equipment	Operational Response Time	Incident Counts
3	108 N. Fremont Avenue	0.8 mile	Task Force Paramedic Ambulance Rescue Ambulance Search and Rescue EMS Battalion Captain Battalion Chief	EMS: 7:13 min Non-EMS: 6:30 min	EMS: 3,799 Non-EMS: 1,283
20	2144 Sunset Boulevard	1.2 miles	Light Force Assessment Engine Paramedic Ambulance Rescue Ambulance Decon Tender	EMS: 7:12 min Non-EMS: 6:36 min	EMS: 2,303 Non-EMS: 584

Response Time: (January to August 2023) average time (turnout time + travel time) in the station area.
Incident counts: (January to August 2023). Non-EMS is fire emergency. EMS is emergency medical service.
http://lafd.org/sites/default/files/pdf_files/11-03-2014_AllStations.pdf
Light Force: Truck company and single engine.
Task Force: Truck company and two fire engines.
LAFD November 2022 Fire Station Directory.
Table: CAJA Environmental Services, October 2023.

Construction

Construction activities have the potential to result in accidental on-site fires by exposing combustible materials (e.g., wood, plastics, sawdust, coverings and coatings) to fire risks from machinery and equipment sparks, and from exposed electrical lines, chemical reactions in

211 ZIMAS search: http://zimas.lacity.org/.

212 Los Angeles Safety Element, Exhibit D, Selected Wildfire Hazard Areas in the City of Los Angeles: https://planning.lacity.org/odocument/31b07c9a-7eea-4694-9899-f00265b2dc0d/Safety_Element.pdf, accessed October 5, 2023.

213 http://zimas.lacity.org, accessed October 5, 2023.

214 LADBS, Report Relative to Expanding Fire District 1, May 27, 2021: https://clkrep.lacity.org/onlinedocs/2019/19-0603_rpt_dbs_%205-27-21.pdf

combustible materials and coatings, and lighted cigarettes. Given the nature of construction activities and the work requirements of construction personnel, OSHA developed safety and health provisions for implementation during construction, which are set forth in 29 Code of Federal Regulations, Part No. 1926. In accordance with these regulations, construction managers and personnel would be trained in emergency response and fire safety operations, which include the monitoring and management of life safety systems and facilities, such as those set forth in the Safety and Health Regulations for Construction established by OSHA.[215] Additionally, in accordance with the provisions of OSHA, fire suppression equipment (e.g., fire extinguishers) specific to construction would be maintained on-site.[216] Project construction would also occur in compliance with all applicable federal, State, and local requirements concerning the handling, disposal, use, storage and management of hazardous materials. Thus, compliance with regulatory requirements would effectively reduce the potential for Project construction activities to expose people to the risk of fire or explosion related to hazardous materials and non-hazardous combustible materials.

Project construction could also potentially impact the provision of existing LAFD services in the vicinity of the Project Site as a result of construction impacts to the surrounding roadways. However, as discussed under Checklist Section 17, Transportation, construction activities would generate traffic associated with the movement of construction equipment, the hauling of soil and construction materials to and from the Project Site, and construction worker traffic. Therefore, although construction activities would be short-term and temporary for the area, those activities could temporarily impact emergency access.

A Construction Traffic Management Plan would be implemented during Project construction pursuant to **Project Design Feature PDF-TRAN-1** to ensure that adequate and safe access remains available within and near the Project Site during construction activities. The plans would be prepared by the Applicant for approval by LADOT prior to the issuance of any construction permits and would provide a detour plan and a staging plan. In addition, the plans would specify the details of any sidewalk or lane closures as well as traffic control measures, signs, delineators, and work instructions to be implemented by the construction contractor through the duration of demolition and construction activities. The Applicant would coordinate plan details with emergency services and affected transit providers to ensure emergency access to the Project Site and traffic flow is maintained on adjacent rights-of-way.

While most construction activities are expected to be primarily contained within the boundaries of the Project Site, it is expected that construction would require a temporary traffic constraints. To accommodate Project construction, closure of the northbound parking/PM peak hour bus lane on Sunset Boulevard along the Project frontage is anticipated between 6:30 AM and 4:00 PM, so as not to interfere with PM peak hour buses or the Dodger Stadium Express bus route during home games. During construction of the Project, a pedestrian canopy will be constructed to maintain

215 United States Department of Labor. Occupational Safety & Health Administration. Title 29 CFR, Part No. 1926, Part Title: Safety and Health Regulations for Construction, Subpart F, Subpart Title: Fire Protection and Prevention, https://www.osha.gov/laws-regs/regulations/standardnumber/1926/1926.150, accessed October 5, 2023.

216 United States Department of Labor. Occupational Safety & Health Administration. Title 29 CFR, Part No. 1926, Part Title: Safety and Health Regulations for Construction, Subpart F, Subpart Title: Fire Protection and Prevention, https://www.osha.gov/laws-regs/regulations/standardnumber/1926/1926.150, accessed October 5, 2023.

access to the sidewalk, bus stop, and crosswalks at Marion Avenue.[217] This is included as part of the Construction Traffic Management Plan identified in **Project Design Feature PDF-TRAN-1.**

Thus, based on the above, Project construction would not affect fire protection services to the extent that new or physically altered fire facilities would be needed in order to maintain acceptable service ratios, response distances, or other performance objectives for fire protection services. Therefore, construction-related impacts on fire protection would be less than significant.

Operation

Facilities and Equipment

The Project Site would continue to be served by Fire Station No. 3, the "first-in" station for the Project Site, located approximately 0.8 mile south of the Project Site. As such, as described below, Fire Station No. 3 falls within the required 1.0-mile engine company and 1.5-mile truck company response distances from the Project Site and would be available to serve the Project in the event of an emergency.

As discussed under Checklist Section 14, Population and Housing, implementation of the Project would result in 773 new residents and 38 new employees[218], which would result in an increase in the on-site service population within the service area of Fire Station No. 3.

While the Project's residential and employee population would increase the demand for LAFD fire protection and emergency medical services, the Project would implement all applicable City Building Code and Fire Code requirements regarding structural design, building materials, site access, fire flow, storage and management of hazardous materials, alarm and communication systems etc. Compliance with applicable City Building Code and Fire Code requirements would be demonstrated as part of LAFD's fire/life safety plan review and LAFD's fire/life safety inspection for new construction projects, as set forth in LAMC Section 57.118 and which are required prior to the issuance of a building permit. The Project would provide all applicable life safety features, including automatic fire sprinklers, a video camera surveillance system, egress stairways, fire service access elevators, stairways with roof access, enclosed elevator lobbies, and escalator openings or stairways.

Compliance with applicable regulatory requirements, including LAFD's fire/life safety inspection for the Project would ensure that adequate fire prevention features would be provided that would reduce the demand on LAFD facilities and equipment without creating the need for new facilities. As such, compliance with Fire Code requirements would minimize the potential for incidents requiring an emergency response by LAFD and therefore reduce the need for a new fire station, or the expansion, consolidation, or relocation of an existing fire station. In addition, as confirmed in the written correspondence from the LAFD, the City and LAFD would continue to monitor the demand for existing and projected fire facilities and coordinate the development of new fire

217 Transportation Assessment, Fehr & Peers, October 2023.

218 City of Los Angeles VMT Calculator Documentation Guide, Table 1, May 2020, City of Los Angeles VMT Calculator Documentation Guide, Table 1. City of Los Angeles VMT Calculator Documentation, v1.3. LADOT population and employee numbers are shown on Table 1: https://ladot.lacity.org/sites/default/files/documents/vmt_calculator_documentation-2020.05.18.pdf. As shown, multi-family residential is 2.25 persons per unit and affordable family is 3.14 persons per unit.

facilities to be phased with growth. As such, Project impacts with regard to LAFD facilities and equipment would be less than significant.

Response Distance, Emergency Access, and Response Times

As described in Section 3, Project Description, of this SCEA, vehicular access to the Project Site, including emergency vehicle access, would be provided via three access driveways along Sunset Boulevard (northern end of Site, middle of Site, Sunset Boulevard/Marion Avenue). The addition of Project-related traffic would have the potential to increase emergency vehicle response times to the Project Site and surrounding properties.

However, the area surrounding the Project Site includes an established street system and, as discussed in the Transportation Assessment included as **Appendix K-1** of this SCEA, the addition of Project traffic to study intersections would not cause or substantially contribute to unacceptable queuing during any peak hours per the City's criteria.[219] LADOT reviewed the Transportation Assessment and issued an approval confirming that the Project would not have a significant transportation impact, included as **Appendix K-2** of this SCEA.[220]

In addition, operation of the Project would not include the installation of barriers (e.g., perimeter fencing, fixed bollards, etc.) that could impede emergency vehicle access to the Project Site. Furthermore, the Project would be designed to meet all applicable City Building Code and Fire Code requirements regarding site access. Furthermore, drivers of emergency vehicles normally have a variety of options for avoiding traffic, such as using sirens to clear a path of travel or diving in the lanes of opposing traffic, pursuant to California Vehicle Code (CVC) Section 21806.

Therefore, the increase in traffic generated by the Project would not significantly impact emergency vehicle response times to the Project Site and/or surrounding area. Furthermore, compliance with applicable City Building Code and Fire Code requirements regarding site access would be demonstrated as part of LAFD's fire/life safety plan review and LAFD's fire/life safety inspection for new construction projects, as set forth in LAMC Section 57.118, and which are required prior to the issuance of a building permit. The Project also would not include the installation of barriers that could impede emergency vehicle access. Therefore, emergency access to the Project Site and surrounding area would be provided and/or maintained, and Project impacts with regard to emergency access would be less than significant.

Fire Flow

Fire flow to the Project would be required to meet City fire flow requirements. The City of Los Angeles Fire Code (LAMC Section 57.507.3.1) establishes fire flow standards by development type. Based on the land use shown in LAMC Table 57.507.3.3, the required fire flow for the Project Site is expected to be 4,000 gallons per minute (gpm) from four fire hydrants flowing simultaneously with a residual pressure of 20 pounds per square inch (psi), which corresponds to the High Density Residential and Commercial Neighborhood Category.

219 Transportation Assessment, Fehr & Peers, October 2023.

220 Approval Letter, Los Angeles Department of Transportation, December 7, 2023.

The site-specific number and location of hydrants would be determined as part of LAFD's fire/life safety plan review for each development. Final fire flow demands, fire hydrant placement, and other fire protection equipment would be determined for the Project by LAFD during the plan check process. If the Project is determined to require one or more new hydrants during plan check in accordance with city standards, the Project would have to provide them.

The following fire hydrants are near the Project Site:[221]

- Hydrant (ID 10210, size 2½D, 12-inch main) on northwest corner of Marion Avenue and Sunset Boulevard, 75 feet west of the Site.
- Hydrant (ID 10211, size 2½D, 12-inch main) on west side of Sunset Boulevard, midblock between Marion Avenue and Innes Avenue, 75 feet west of the Site.
- Hydrant (ID 10208, size 2½D, 12-inch main) on west side of Sunset Boulevard, south of Boylston Street, 240 feet southwest of the Site.
- Hydrant (ID 10209, size 2½ x 4D, 8-inch main) on Sunset Boulevard, north of White Knoll Drive, 200 feet south of the Site.

Section 35 of Article XIII of the California Constitution at Subdivision (a)(2) provides: "The protection of public safety is the first responsibility of local government and local officials have an obligation to give priority to the provision of adequate public safety services." Section 35 of Article XIII of the California Constitution was adopted by the voters in 1993 under Proposition 172. Proposition 172 directed the proceeds of a 0.50-percent sales tax to be expended exclusively on local public safety services. California Government Code Sections 30051-30056 provide rules to implement Proposition 172. Public safety services include fire protection. Section 30056 mandates that cities are not allowed to spend less of their own financial resources on their combined public safety services in any given year compared to the 1992-93 fiscal year. Therefore, an agency is required to use Proposition 172 to supplement its local funds used on fire protection services, as well as other public safety services. In *City of Hayward v. Board of Trustee of California State University* (2015) 242 Cal. App. 4th 833, the court found that Section 35 of Article XIII of the California Constitution requires local agencies to provide public safety services, including fire protection and emergency medical services, and that it is reasonable to conclude that the city would comply with that provision to ensure that public safety services are provided.[222]

Based on the analysis above, Project construction and operation would not require the addition of a new fire station or the expansion, consolidation, or relocation of an existing facility in order to maintain service and would not inhibit emergency response. Therefore, construction and operation of the Project would not result in substantial adverse impacts associated with the provision of a new physically altered governmental facility, the construction of which would cause significant environmental impacts, in order to maintain acceptable fire protection and emergency medical services, and impacts would be less than significant.

221 Navigate LA, DWP (Fire Hydrants) Layer: http://navigatela.lacity.org/navigatela/, accessed October 5, 2023

222 City of Hayward v. Board Trustee of California State University (2015) 242 Cal. App. 4th 833, 847.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative impact analysis for fire protection is the service area of Fire Stations No. 3 and No. 20. The increase in development and residential service populations from the Project, Related Projects, and other future development in the service areas of the above-mentioned fire stations would result in a cumulative increase in the demand for LAFD services. However, similar to the Project, the Related Projects and other future development projects in the area would be reviewed by the LAFD to ensure that sufficient fire safety and hazards measures are implemented. Furthermore, each Related Project and other future development projects would be required to comply with regulatory requirements related to fire protection services. In addition, the Project, Related Projects, and other future development projects would be subject to the City's standard construction permitting process, which includes a review by LAFD for compliance with building and site design standards related to fire/life safety, as well as coordinating with LADWP to ensure that local fire flow infrastructure meets current code standards for the type and intensity of land uses involved.

As with the Project, the Related Projects and other future development projects in the vicinity would also generate revenues to the City's General Fund (in the form of property taxes, sales revenue, etc.) that could be applied toward the provision of new fire station facilities and related staffing, as deemed appropriate.[223] Cumulative increases in demand for fire protection services due to Related Projects and other future development projects would be identified and addressed through the City's annual programming and budgeting processes. LAFD resource needs would be identified, and monies allocated according to the priorities at the time. Any requirement for a new fire station, or the expansion, consolidation, or relocation of an existing fire station, would also be identified through this process, the impacts of which would be addressed accordingly. Furthermore, over time, LAFD would continue to monitor population growth and land development throughout the City and identify additional resource needs, including staffing, equipment, trucks and engines, ambulances, other special apparatuses, and possibly station expansions or new station construction, which may become necessary to achieve the required level of service.

Thus, compliance with LAFD, City Building Code, and Fire Code requirements related to fire safety, access, and fire flow would ensure that cumulative impacts to fire protection would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

b) Police Protection?

Less Than Significant Impact.

The Project Site is located within the Central Bureau of the Los Angeles Police Department (LAPD), which covers a territory of approximately 65 square miles with a population of approximately 842,700 residents.[224] The Central Bureau oversees operations in Central, Rampart, Hollenbeck, Northeast, Newton service areas as well as the Central Traffic Division. The Project is served by the Central Community Police Station is located at 251 E. 6th Street,

223 City of Los Angeles, Proposed Budget for the Fiscal Year 2022–2023.
224 LAPD, Central Bureau, https://www.lapdonline.org/lapd-contact/central-bureau/, accessed October 5, 2023.

approximately 2.3 miles south of the Project Site.[225] The Central Community Police Station covers approximately 4.5 square miles and serves approximately 40,000 residents, has approximately 345 sworn officers.[226] The resident-to-officer ratio is 115:1.

Construction

Project construction would not generate a permanent population on the Project Site that would substantially increase the police service population. However, construction sites can be sources of nuisances and hazards and invite theft and vandalism. When not properly secured, construction sites can contribute to a temporary increased demand for police protection services. Pursuant to **Project Design Feature PDF-POL-1**, the Applicant would implement temporary security measures including security fencing, lighting, and locked entry to secure the Project Site during construction. With implementation of this security measure, potential impacts associated with theft and vandalism during construction activities would be reduced.

Project-related construction vehicles would have the potential to increase emergency vehicle response times due to travel time delays caused by construction traffic. Specifically, access to the Project Site and the surrounding vicinity could be impacted by Project-related construction activities, such as temporary lane closures, roadway/access improvements, utility line construction, and the generation of traffic as a result of construction equipment movement, hauling of soil and construction materials to and from the Project Site, and construction worker traffic.

However, as discussed under Checklist Section 17, Transportation, of this SCEA, a Construction Traffic Management Plan would be implemented during Project construction pursuant to **Project Design Feature PDF-TRAN-1**, to ensure that adequate and safe access is available within and near the Project Site during construction activities. Features of the construction traffic management plan would be developed in consultation with the LADOT and may include narrowing lanes adjacent to the Project Site and scheduling the receipt of construction materials during non-peak travel periods. Appropriate construction traffic control measures (e.g., signs, flag persons, etc.) would also be utilized to ensure emergency access to the Project Site and traffic flow is maintained on adjacent rights-of-way. Furthermore, construction-related traffic generated by the Project would not significantly impede the ability of the LAPD to respond to emergencies in the Project Site vicinity as emergency vehicles have the ability to avoid traffic, such as using sirens to clear a path of travel or driving in the lanes of opposing traffic, pursuant to CVC Section 21806. Thus, impacts on police protection services during Project construction would be less than significant.

Operation

The Project would introduce a new residential population to the Central area.[227] As previously discussed, the Project Site is under the jurisdiction of the LAPD's Central Community Police

225 http://zimas.lacity.org, accessed October 5, 2023.

226 LAPD, Central Community Police Station, https://www.lapdonline.org/lapd-contact/central-bureau/central-community-police-station/, accessed October 5, 2023. Also Police Response, Los Angeles Police Department, December 7, 2023.

227 The LAPD considers the residential population within their service area to evaluate service capacity. However, in addition to the Project's residential population, this analysis also considers the Project's daytime employee population to provide a conservative analysis of Project-level impacts.

Station, which is staffed by approximately 345 sworn officers and has a service population of approximately 40,000 residents. As discussed under Checklist Section 14, Population and Housing, implementation of the Project would result in 811 new persons (consisting of 773 new residents and 38 new employees[228]), which would result in an increase in the on-site service population within the service area of LAPD.

This would increase the existing LAPD service population in the Central Area from approximately 40,000 persons to approximately 40,811 persons, an increase of 2%. With the increase in the police service population, the officer-to-resident ratio for the Central Area would be reduced from approximately one officer for every 115 residents[229] to approximately one officer for every 102 persons.[230] This ratio would continue to be lower than the Citywide ratio of one officer for every 433 residents. However, the Project would not cause a substantial change in the officer-to-resident ratio for the Central Community Police Station.

As outlined below, **Project Design Features PDF-POL-2** through **PDF-POL-6** would include numerous operational design features to enhance safety within and immediately surrounding the Project Site.

Specifically, as set forth in **Project Design Feature PDF-POL-2**, the Project would include a closed-circuit camera system and keycard entry for the residential uses and resident parking areas.

In addition, pursuant to **Project Design Features PDF-POL-3** and **PDF-POL-4**, the Project would include proper lighting of the building and walkways to maximize visibility and provide for pedestrian orientation and clearly identify a secure route between parking areas and points of entry into the building.

The Project would also design entrances to, and exits from, the building and open spaces areas, to be open and in view of surrounding sites, as provided in **Project Design Feature PDF-POL-5**.

Furthermore, as specified in **Project Design Feature PDF-POL-6**, the Applicant would consult with LAPD regarding the incorporation of feasible crime prevention features and submit a diagram of the Project Site showing access routes and other information that might facilitate police response.

The Project's design features, would help offset the Project-related increase in demand for police services. In addition to the implementation of these project design features, the Project would generate revenues to the City's General Fund (in the form of property taxes, sales revenue, etc.) that could be applied toward the provision of new police facilities and related staffing in the community, as deemed appropriate. The Project's design features as well as the Project's contribution to the General Fund would help offset the Project-related increase in demand for police services. Therefore, the Project's impact on police services would be less than significant.

228 City of Los Angeles VMT Calculator Documentation Guide, Table 1, May 2020, City of Los Angeles VMT Calculator Documentation Guide, Table 1. City of Los Angeles VMT Calculator Documentation, v1.3. LADOT population and employee numbers are shown on Table 1: https://ladot.lacity.org/sites/default/files/documents/vmt_calculator_documentation-2020.05.18.pdf. As shown, multi-family residential is 2.25 persons per unit and affordable family is 3.14 persons per unit.

229 40,000 residents ÷ 345 officers = 1 officer for every 115 residents.

230 40,811 total Project daytime population ÷ 400 officers = 1 officer for every 102 residents.

The Project would introduce new uses to the Project Site that would generate additional traffic in the Project Site vicinity. Project-related traffic would have the potential to increase emergency vehicle response times to the Project Site and surrounding properties due to travel time delays caused by the additional traffic. However, drivers of police emergency vehicles have the ability to avoid traffic by using sirens and flashing lights to clear a path of travel or driving in the lanes of opposing traffic, pursuant to CVC Section 21806. Accordingly, Project operation, including traffic generated by the Project, would not cause a substantial increase in emergency response times due to traffic congestion. In addition, operation of the Project would not include the installation of barriers (e.g., perimeter fencing, fixed bollards, etc.) that could impede emergency access within the vicinity of the Project Site. As such, emergency access to the Project Site and surrounding uses would be maintained at all times. Accordingly, Project operation would not cause a substantial increase in emergency response times due to traffic congestion.

The Project does not include uses that would require additional specialized police facilities, such as military facilities, hazardous materials, or other uses that may warrant such facilities.

Section 35 of Article XIII of the California Constitution at Subdivision (a)(2) provides: "The protection of public safety is the first responsibility of local government and local officials have an obligation to give priority to the provision of adequate public safety services." Section 35 of Article XIII of the California Constitution was adopted by voters in 1993 pursuant to Proposition 172. Proposition 172 directed the proceeds of a 0.50-percent sales tax to be expended exclusively on local public safety services. California Government Code Sections 30051-30056 provide rules to implement Proposition 172. Public safety services include police protection. Section 30056 mandates that cities are not allowed to spend less of their own financial resources on their combined public safety services in any given year compared to the 1992-93 fiscal year. Therefore, an agency is required to use Proposition 172 to supplement its local funds used on fire protection services, as well as other public safety services. In *City of Hayward v. Board of Trustee of California State University* (2015) 242 Cal. App. 4th 833, the court found that Section 35 of Article XIII of the California Constitution requires local agencies to provide public safety services, including police protection, and that it is reasonable to conclude that the city would comply with Proposition 172 to ensure that public safety services are provided.[231]

Thus, based on the above analysis, the Project would not generate a demand for new LAPD facilities to serve the Project Site and, therefore, LAPD concluded the Project will not result in the need for new or altered police facilities.

Project Design Features

The Project would implement the following Project Design Features:

PDF-POL-1: During construction, the Applicant will implement temporary security measures including security fencing, lighting, and locked entry.

PDF-POL-2: The Project will include a closed-circuit camera system and secure entry for the residential uses and resident parking areas.

231 City of Hayward v. Board Trustee of California State University (2015) 242 Cal. App. 4th 833, 847.

PDF-POL-3: The Project will provide proper lighting of the building and walkways to provide for pedestrian orientation and clearly identify a secure route between subterranean parking areas and points of entry into the building.

PDF-POL-4: The Project will provide sufficient lighting of the subterranean parking areas to maximize visibility and reduce areas of concealment.

PDF-POL-5: The Project will design entrances to, and exits from, the building and open space areas to be open and in view of surrounding areas.

PDF-POL-6: Upon completion of construction of the Project and prior to the issuance of a certificate of occupancy, the Applicant will submit a diagram of the Project Site to the LAPD's Central Area Commanding Officer that includes access routes and any additional information that might facilitate police response.

Overall, based on the above, the Project would not result in a need to construct any new police facilities or modify any existing facilities. Accordingly, the Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, or the need for new or physically altered governmental facilities the construction of which would cause significant environmental impacts. Thus, impacts with regard to police protection services and facilities would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The nine Related Projects fall within the boundaries of the Central Area, within the Central, Rampart, and Northeast Community Police Stations.[232] It is anticipated that the Project in combination with the Related Projects would increase the demand for police protection services. This cumulative increase in demand for police protection services would increase demand for additional LAPD staffing, equipment, and facilities over time. Similar to the Project, other projects served by LAPD would implement safety and security features according to LAPD recommendations. LAPD would continue to monitor population growth and land development throughout the City and identify additional resource needs including staffing, equipment, vehicles, and possibly station expansions or new station construction that may become necessary to achieve the desired level of service.

Through the City's regular budgeting efforts, LAPD's resource needs would be identified and monies allocated according to the priorities at the time. Any new or expanded police station would be funded via existing mechanisms (e.g., property and sales taxes, government funding, and developer fees) to which the Project and cumulative growth would contribute. Therefore, the cumulative impact on police protection services would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

[232] LAPD, Bureaus and Divisions map: https://lapdonlinestrgeacc.blob.core.usgovcloudapi.net/lapdonlinemedia/2021/09/citywide.pdf

c) Schools?

Less Than Significant Impact. The Project Site is located within the boundaries of the Los Angeles Unified School District (LAUSD), which is divided into six local districts. The Project is located within the East Local District.[233]

The Project is served by the following LAUSD schools:[234]

- Betty Plascencia Elementary School (grades K-5), 1321 Cortez Street, 0.3 miles west of the Site
- Sal Castro Middle School (grades 6-8), 1575 2nd Street, 0.7 miles southwest of the Site
- Belmont Zone of Choice (high school grades 9-12):[235]
    - Belmont Senior High, 1575 W. 2nd Street, 0.7 miles southwest of the Site
    - Royal Learning Center, 1200 W. Colton Street, 0.5 miles southwest of the Site
    - Contreras Learning Center, 322 Lucas Avenue, 0.7 miles southwest of the Site
        - Academic Leadership Community
        - Business and Tourism
        - Social Justice
        - Global Studies
    - Cortines School of Visual and Performing Arts, 450 Grand Avenue, 0.6 miles south of the Site

As previously discussed, the Project would construct a new mixed-use building comprised of 327 residential and live-work units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. The residential units directly generate students and the commercial use employees indirectly generate students through their families. As shown in **Table 5.15-2**, the Project would generate approximately 123 students.

Table 5.15-2
Estimated Student Generation

Land Use	Project Amount	Student Generation			
		Elementary	Middle	High	Total
Multi-Family Dwelling Units	327 units	64	18	35	**117**
Commercial	9,462 sf	3	1	2	**6**
Total		**67**	**19**	**37**	**123**

233 LAUSD, Local District Map: https://www.lausd.org/domain/34

234 LAUSD School Finder: https://explorelausd.schoolmint.net/school-finder/home and https://rsi.lausd.net/ResidentSchoolIdentifier/

235 Schools & programs that are part of a "school choice area" pull enrollments from the school(s) that have resident areas, as defined by attendance boundaries.

LAUSD Developer Fee Justification Study, March 2022.
Students per household: 0.1953 elementary, 0.0538 middle; 0.1071 high school. Students per 1,000 sf: 0.467 for neighborhood shopping centers, 0.195 for lodging.
Since the Study does not specify the grade levels of students that are generated from non-residential land uses, such students are assumed to be divided among the residential generation factors (i.e. approximately 55 percent for elementary, 15 percent for middle, and 30 percent for high school.
Table: CAJA Environmental Services, October 2023.

As such, the Project would create new demand for capacity at the LAUSD schools that serve the Project Site. It should be noted, however, that this analysis does not include students who may enroll in private schools or participate in home-schooling. In addition, this analysis does not account for Project residents who may already reside in the school attendance boundaries and would move to the Project Site. Other LAUSD options that are not accounted for that may be available to Project-generated students include the following:

- Open enrollment that enables students anywhere within the LAUSD to apply to any regular, grade-appropriate LAUSD school with designated open enrollment seats;
- Magnet schools and centers, which are open to qualified students in the LAUSD;
- The Permits With Transportation Program, which allows students to continue to go to the schools within the same feeder pattern of the school they were enrolled in from elementary through high school. The LAUSD provides transportation to all students enrolled in the Permits With Transportation Program regardless of where they live within the LAUSD;
- Intra-district parent employment-related transfer permits that allow students to enroll in a school that serves the attendance area where the student's parent is regularly employed if there is adequate capacity available at the school;
- Sibling permits that enable students to enroll in a school where a sibling is already enrolled; and
- Childcare permits that allow students to enroll in a school that serves the attendance area where a younger sibling is cared for every day after school hours by a known childcare agency, private organization, or a verifiable child care provider.

According to the LAUSD, Plasencia Elementary School has adequate capacity now and in the future (projected 5 years) to accommodate 67 additional elementary school students. Castro Middle School and Belmont High School Zone of Choice are overcrowded now and Castro Middle would remain overcrowded in the future.[236] However, overcrowded is not an impact for the reason discussed below.

Additionally, pursuant to SB 50, the Applicant would be required to pay development fees for schools to LAUSD prior to the issuance of the Project's building permit. Pursuant to Government Code Section 65995, the payment of these fees fully addresses Project-related school impacts.

[236] School Response, Los Angeles Unified School District, January 11, 2024.

Thus, the Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities (i.e., schools), need for new or physically altered governmental facilities, the construction of which would cause significant environmental impacts, in order to maintain acceptable service ratios or other performance objectives for schools.

Overall, the Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities (i.e., schools), need for new or physically altered governmental facilities, the construction of which would cause significant environmental impacts, in order to maintain acceptable service ratios or other performance objectives for schools. Thus, impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. Each of the nine Related Projects are located within the boundaries of LAUSD, and six of the nine Related Projects would include a residential component (Nos. 1, 3, 4, 7, 8, 9). As discussed above, in accordance with SB 50, payment of developer impact fees would ensure that the impacts of the Project on school facilities would be less than significant. Similar to the Project, the Related Projects would be required to pay school fees, which would fully mitigate any potential impacts to school facilities.

Therefore, cumulative impacts associated with schools would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

d) Parks?

Less Than Significant Impact.

Construction

Construction of the Project would result in a temporary increase in the number of construction workers at the Project Site. Due to the employment patterns of construction workers in Southern California, construction workers are not likely to relocate their households as a consequence of the construction job opportunities presented by the Project because construction workers move from construction site to construction site throughout the region as specific jobs are temporary/short-term in nature. Therefore, the construction workers associated with the Project would not result in a notable increase in the residential population in the vicinity of the Project Site, or a corresponding permanent demand for parks and recreational facilities in the vicinity of the Project Site.

During Project construction, the use of public parks and recreational facilities by construction workers would be expected to be limited, as construction workers are highly transient in their work locations and are more likely to utilize parks and recreational facilities near their places of residence. There is a potential for construction workers to spend their lunch breaks at parks and recreational facilities that may be located in proximity to the Project Site. However, any resulting increase in the use of such parks and recreational facilities would be temporary and negligible. Furthermore, it is unlikely that workers would utilize parks and recreational facilities beyond a 0.5-

mile radius from the Project Site, as lunch breaks typically are not long enough for workers to take advantage of such facilities and return to work within the allotted time (e.g., 30 to 60 minutes).

As such, there would be no impact related to construction activities, as construction workers would not demand and utilize parks services, and no facilities would be burdened such that new or expanded facilities would be required.

Operation

Parks and recreational facilities in the vicinity of the Project Site are primarily operated and maintained by the City of Los Angeles Department of Recreation and Parks (LADRP). Nearby parks and recreational facilities within an approximately 2-mile radius of the Project Site are listed in **Table 5.15-3**.

Table 5.15-3
Parks and Recreation Centers

Name	Address	Acres	Features
Neighborhood Parks (less than 10 acres and within one mile radius of the Project Site)			
Alpine Recreation Center	817 Yale Street	1.94	Auditorium, basketball courts (lighted/indoor/outdoor), children's play area, indoor gym (without weights), volleyball courts (lighted).
Beverly Pocket Park	1644 Beverly Boulevard	0.32	Children's play area
Contreras Pool	322 S. Lucas Avenue	0.55	Pool
Echo Deep Pool	1419 Colton Street	2.07	Pool
Everett Park	1010 N. Everett Street	0.53	Pocket Park
Lilac Terrace Park	1253 W. Lilac Terrace	2.83	Veteran's Memorial grove
Rockwood Park	1571 W. Rockwood Street	0.91	Open Space
Community Parks (greater than 10 acres and within two mile radius of the Project Site)			
Echo Park	751 Echo Park Boulevard	28.41	Barbecue pits, baseball diamond (lighted), basketball courts (lighted/indoor/outdoor), children's play area, community room, indoor gym (without weights), picnic tables, seasonal pool (outdoor/unheated), soccer field (lighted), tennis courts (lighted), year round pool (indoor/heated/unheated)
MacArthur Park	2230 W. 6th Street	29.87	Auditorium, children's play area, picnic tables, lake
Gloria Molina Grand Park [1]	Between Music Center and City Hall	12	Open space, art and music events, interactive water splash pad
Regional Park (greater than 50 acres and within two mile radius of the Project Site)			
Elysian Park	929 Academy Road	544.71	Chavez Ridge Disc Golf Course, Chavez Ravine arboretum, hiking trails, horseshoe pits, jogging paths

[1] Grand Park is operated by the Los Angeles Grand Avenue Authority, a County and City joint venture.
LADRP Facility Finder: http://www.laparks.org/dos/reccenter/reccenter.htm and http://www.laparks.org/dos/parks/parks.htm
NavigateLA with Recreation and Parks Department layer: http://navigatela.lacity.org/navigatela/
Table: CAJA Environmental Services, October 2023.

As previously discussed, the Project would construct a new mixed-use building comprised of 327 residential and live-work units (inclusive of 41 Very Low-Income Households) and 9,462 square feet of ground-floor commercial space. An increase in the use of existing parks and recreational facilities is directly associated with an increase in the residential population. As outlined above under Checklist Section 14, Population and Housing, development of the proposed 327 residential units would result in approximately 773 residents.

The Project would request an off-menu density bonus incentive, for a 30% reduction in open space to allow 24,540 square feet in lieu of the otherwise required 35,050 square feet.

The Project would provide common and private open space areas throughout the Project Site totaling approximately 24,540 square feet, which would exceed the requirements of the LAMC to provide a minimum of 24,535 square feet of open space. This includes indoor amenities, roof decks, courtyards, and balconies. There will be an approximately 45,000 gallon pool (20 feet x 60 feet).

Overall, due to the amount, variety, and availability of the proposed open space to be provided within the Project Site, it is anticipated that Project residents would often utilize on-site open space to meet their recreational needs. While the Project's residents, visitors, and some of the new employees would be expected to use off-site public parks and recreational facilities to some degree, the Project would not be expected to cause or accelerate substantial physical deterioration of off-site public parks or recreational facilities given the provision of on-site open space and recreational amenities. Additionally, compliance with regulatory requirements, including the payment of park fees pursuant to LAMC Section 12.33 would ensure that the Project's potential impacts on parks would not be significant.

Based on the above, the Project would not substantially increase the demand for off-site public parks and recreational facilities and would not require the provision of new or physically altered parks and recreational facilities, the construction of which could cause significant environmental impacts. As such, the Project's potential impacts on parks would be less than significant.

Cumulative Impacts

Less Than Significant Impact. Each of the nine Related Projects are located within the boundaries of LADRP, and six of the nine Related Projects would include a residential component (Nos. 1, 3, 4, 7, 8, 9) and would be required by the LAMC to provide open space for the proposed residential uses. As discussed above, the Project would result in a less than significant impact on parks and recreational facilities.

Therefore, overall, the cumulative impact associated with parks would be less than significant, and the Project's contributions to cumulative impacts would not be cumulatively considerable.

e) Other Public Facilities?

Less Than Significant Impact. Other public facilities available include libraries. The City of Los Angeles Public Library (LAPL) provides library services throughout the City through its Central Library, 8 regional branches, and 64 community branches. The LAPL collection has 7.1 million books, magazines, electronic media, 120 online databases, and 34,000 e-books and related media.[237]

On February 8, 2007, The Board of Library Commissioners approved a new Branch Facilities Plan. This Plan includes Criteria for new Libraries, which recommends new size standards for the provision of LAPL facilities – 12,500 square feet for communities with less than 45,000 people, 14,500 square feet for community with more than 45,000 people, and up to 20,000 square feet for a Regional branch. It also recommends that when a community reaches a population of 90,000, an additional branch library should be considered for the area.

Table 5.15-4 describes the libraries that would serve the Project.

Table 5.15-4
Los Angeles Public Libraries

Name	Address	Size (sf)	Collection Size / Circulation	Service Population	Staff
Central Library	630 5th Street	538,000	2,600,000 / 1,200,000	250,264	390
Chinatown	639 Hill Street	14,500	82,990 / 26,167	22,365	10
Echo Park	1410 Temple Street	17,543	39,348 / 28,447	26,890	8
Edendale	2011 Sunset Boulevard	12,500	47,068 / 29,493	30,973	9
Little Tokyo	203 Los Angeles Street	12,500	61,939 / 41,013	50,136	9.75
Silver Lake	2411 Glendale Blvd.	13,670	64,056 / 88,438	15,274	9
Staffing is full-time equivalent. Current service is estimated from LA Times Mapping LA database and branch library community boundaries. Library Response, Los Angeles Public Library, October 12, 2023.					

As outlined above under Checklist Section 14, Population and Housing, development of the proposed 327 residential units would result in approximately 773 residents, which could result in a direct demand for libraries. It is anticipated that a portion of the residential population generated by the Project that would visit library facilities would likely be dispersed among the various branch libraries serving the Project Site and it is not likely that all residents would visit the same library. Additionally, the Project's residential units would be equipped to receive individual internet service, which provides information and research capabilities that studies have shown to reduce demand at physical library locations.[238,239]

237 LAPL website: https://www.lapl.org/sites/default/files/media/pdf/about/LAPLFY2017-18Backgrounder10022018.pdf
238 Denise A. Troll, How and Why Libraries are Changing: What We Know and What We Need to Know, Carnegie Mellon University, 2002.
239 Carol Tenopir, "Use and Users of Electronic Library Resources: An Overview and Analysis of Recent Research Studies," 2003.

The Project would also develop approximately 9,462 square feet of ground-floor commercial space, which would generate approximately 38[240] new full-time and part-time positions; however, new positions would typically be filled by persons already residing in the vicinity of their workplace and who already generate a demand for the libraries in the vicinity of the Project Site. As such, any indirect or direct new demand for library services generated by employees of the proposed retail and restaurant uses would be negligible.

The Project would generate revenues to the City's General Fund (in the form of property taxes, sales tax, and business tax, etc.) that would help offset the Project-related increase in demand for library services. Therefore, with the installation of internet service capabilities throughout the Project Site and the generation of revenues to the City's General Fund that could be applied toward the provision of new library facilities and related staffing, the Project would not result in the need for new or altered facilities, the construction of which would cause significant environmental impacts. As such, impacts on library facilities during operation of the Project would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The residential population of a library's service area is the primary metric used by LAPL for assessing the adequacy of library services and planning for future growth (i.e., citing of new facilities). However, as noted above, the recommended building size standards are not a threshold under CEQA or LAPL and there is no requirement to build new facilities or expand when the recommended building size standards are not met and LAPL does not make new building decisions based on any one project, but rather on the overall needs of the community. Library funding is now mandated under the City Charter to be funded from property taxes including those assessed against the Project, which would increase with the new development and be utilized for additional staff, books, computers, and other library materials.

Similar to the Project, the Related Projects in the area would be required to pay the required City fees. Therefore, the cumulative impact associated with libraries would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

240 Los Angeles Department of Transportation and Los Angeles Department of City Planning (DCP), City of Los Angeles VMT Calculator Documentation, May 2020, Table 1. Based on the employee generation rate of 4 employees per 1,000 square feet of High-Turnover Sit-Down Restaurant and 2 employees per 1,000 square feet of "General Retail."

1.16 Recreation

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM REC-1: In accordance provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on the use of existing neighborhood and regional parks or other recreational facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Prior to the issuance of permits, where projects require the construction or expansion of recreational facilities or the payment of equivalent Quimby fees, consider increasing the accessibility to natural areas and lands for outdoor recreation from the proposed project area, in coordination with local and regional open space planning and/or responsible management agencies.

b) Prior to the issuance of permits, where projects require the construction or expansion of recreational facilities or the payment of equivalent Quimby fees, encourage patterns of urban development and land use which reduce costs on infrastructure and make better use of existing facilities, using strategies such as:

i. Increasing the accessibility to natural areas for outdoor recreation

ii. Utilizing “green” development techniques

iii. Promoting water-efficient land use and development

iv. Encouraging multiple uses, such as the joint use of schools

v. Including trail systems and trail segments in General Plan recreation standards.

Applicability to the Project

Consistent with the measures outlined in **PMM REC-1**, the Project would comply with all regulatory compliance measures associated with maintaining parks and recreational facilities. The Project would also utilize sustainable development techniques and promote water efficiency, and promote infill development. Thus, while the Project would be consistent with the relevant measures of **PMM REC-1**, adherence to regulatory requirements (including the payment of park fees pursuant to LAMC Section 12.33) and implementation of elements of the Project would be equal to more effective than these measures, and no Project-specific impacts would occur. Thus, **PMM REC-1** would not be incorporated into the Project.

Impact Analysis

a) Would the project Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated?

Less Than Significant Impact. As discussed above under Checklist Section 15, Public Services, parks and recreational facilities in the vicinity of the Project Site are primarily operated and maintained by LADRP. Nearby parks and recreational facilities within an approximately 2-mile radius of the Project Site are listed in **Table 5.15-3** (above).

As previously discussed, while the population increase associated with the Project could generate additional demand for parks and recreational facilities in the vicinity of the Project Site, the Project would comply with the City's requirements in LAMC Section 12.33 through the payment of park fees. In addition, the Project would comply with applicable open-space requirements with respect to the Project's residential component.

The Project would request an on-menu density bonus incentive, for a 30% reduction in open space to allow 24,540 square feet in lieu of the otherwise required 35,050 square feet.

The Project would provide common and private open space areas throughout the Project Site totaling approximately 24,540 square feet, which would exceed the requirements of the LAMC to provide a minimum of 24,535 square feet of open space. This includes indoor amenities, roof decks, courtyards, and balconies. There will be an approximately 45,000 gallon pool (20 feet x 60 feet).

Due to the amount, variety, and availability of the proposed open space and recreational amenities provided within the Project Site, including publicly accessible open space, it is anticipated that Project residents and employees would often utilize on-site open space and common areas to meet their recreational needs. Thus, while the Project's residents would be expected to utilize off-site public parks and recreational facilities to some degree, the Project would not substantially increase the demand for off-site public parks and recreational facilities such that substantial physical deterioration of those facilities would occur or be accelerated.

In addition, pursuant to Section 12.33 of the LAMC, the Applicant would be required to comply with applicable park fee requirements with regard to the residential component of the Project, which would be used to increase recreational opportunities for project residents and improve

existing parks, both of which would reduce the Project resident's use of existing parks and recreational facilities and/or address any deterioration of those facilities. Thus, based on the above, the Project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated, and impacts would be less than significant.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

Less Than Significant Impact. The Project would not require the construction or expansion of recreational facilities beyond the limits of the Project Site. Although the Project may place some additional demands on park facilities as new residents are introduced into the area, the increase in demand would be met through a combination of on-site amenities and existing parks in the Project vicinity, as discussed above.

The Project's potential increased incremental demand upon recreational facilities would not in and of itself result in the construction of a new park, which might have an adverse physical effect on the environment. In addition, the recreational facilities included as part of the Project would not have a significant adverse effect of the environment, as discussed throughout this SCEA. Therefore, the Project would not include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment and impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The Project would not induce population growth beyond that included in the population projections for the City in SCAG's 2020–2045 RTP/SCS, and thereby would not, directly or indirectly, contribute to significant cumulative impacts to recreation. Similar to the Project, the Related Projects in the area would be required to provide open space in accordance with the LAMC. Related Projects may also be required to pay a Dwelling Unit Construction Tax, Park Fees pursuant to LAMC Section 12.33, or other similar purpose fees, as appropriate to the projects' location and proposed uses. The payment of fees would fully mitigate any potential impacts to park and recreational facilities. Therefore, the Project's contribution to cumulative impacts associated with recreation would not be cumulatively considerable, and impacts would be less than significant.

1.17 Transportation

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☐	☒	☐
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

This section is based on the following items, which are included as **Appendix K** to this SCEA:

K-1 Transportation Assessment, Fehr & Peers, October 2023

K-2 Approval Letter, Los Angeles Department of Transportation, December 7, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM TRA-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to transportation-related impacts, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

- Transportation demand management (TDM) strategies should be incorporated into individual land use and transportation projects and plans, as part of the planning process. Local agencies should incorporate strategies identified in the Federal Highway Administration's publication: Integrating Demand Management into the Transportation Planning Process: A Desk Reference (August 2012) into the planning process (FHWA 2012). For example, the following strategies may be included to encourage use of transit and non-

motorized modes of transportation and reduce vehicle miles traveled on the region's roadways:

- include TDM mitigation requirements for new developments;
- incorporate supporting infrastructure for non-motorized modes, such as, bike lanes, secure bike parking, sidewalks, and crosswalks;
- provide incentives to use alternative modes and reduce driving, such as, universal transit passes, road and parking pricing;
- implement parking management programs, such as parking cash-out, priority parking for carpools and vanpools;
- develop TDM-specific performance measures to evaluate project-specific and system-wide performance;
- incorporate TDM performance measures in the decision-making process for identifying transportation investments;
- implement data collection programs for TDM to determine the effectiveness of certain strategies and to measure success over time; and
- set aside funding for TDM initiatives.
- The increase in per capita VMT on facilities experiencing LOS F represents a significant impact compared to existing conditions. To assess whether implementation of these specific mitigation strategies would result in measurable traffic congestion reductions, implementing actions may need to be further refined within the overall parameters of the proposed Plan and matched to local conditions in any subsequent project-level environmental analysis.

Applicability to the Project

Consistent with **PMM TRA-1**, the Project would incorporate TDM strategies. These TDM strategies, which include reduced parking supply, unbundled parking from residential leases, promotions and marketing of transportation options, and the provision of bicycle parking, would facilitate reductions in the Project's VMT[241], resulting in a less than significant impact. Thus, these Project-specific measures are more effective than **PMM TRA-1**, and **PMM TRA-1** is not applicable to the Project.

PMM TRA-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial

[241] Transportation Assessment, Fehr & Peers, October 2023.

adverse effects which may substantially impair implementation of an adopted emergency response plan or emergency evacuation plan, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Prior to construction, project implementation agencies can and should ensure that all necessary local and state road and railroad encroachment permits are obtained. The project implementation agency can and should also comply with all applicable conditions of approval. As deemed necessary by the governing jurisdiction, the road encroachment permits may require the contractor to prepare a traffic control plan in accordance with professional engineering standards prior to construction. Traffic control plans can and should include the following requirements:

   - Identification of all roadway locations where special construction techniques (e.g., directional drilling or night construction) would be used to minimize impacts to traffic flow.

   - Development of circulation and detour plans to minimize impacts to local street circulation. This may include the use of signing and flagging to guide vehicles through and/or around the construction zone.

   - Scheduling of truck trips outside of peak morning and evening commute hours.

   - Limiting of lane closures during peak hours to the extent possible.

   - Usage of haul routes minimizing truck traffic on local roadways to the extent possible.

   - Inclusion of detours for bicycles and pedestrians in all areas potentially affected by project construction.

   - Installation of traffic control devices as specified in the California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones.

   - Development and implementation of access plans for highly sensitive land uses such as police and fire stations, transit stations, hospitals, and schools. The access plans would be developed with the facility owner or administrator. To minimize disruption of emergency vehicle access, affected jurisdictions can and should be asked to identify detours for emergency vehicles, which will then be posted by the contractor. Notify in advance the facility owner or operator of the timing, location, and duration of construction activities and the locations of detours and lane closures.

- Storage of construction materials only in designated areas.
- Coordination with local transit agencies for temporary relocation of routes or bus stops in work zones, as necessary.
- Ensure the rapid repair of transportation infrastructure in the event of an emergency through cooperation among public agencies and by identifying critical infrastructure needs necessary for: a) emergency responders to enter the region, b) evacuation of affected facilities, and c) restoration of utilities.
- Enhance emergency preparedness awareness among public agencies and with the public at large.

Applicability to the Project

The Project would be subject to the City's existing regulations that require the Project to comply with the Fire Code and LAMC emergency access requirements. In addition, the Project would include a Construction Traffic Management Plan, as outlined in **Project Design Feature PDF-TRAN-1**, which would ensure that adequate emergency access exists during construction. As existing regulatory requirements equal to or more effective than the **PMM TR-1**, it would not be incorporated into the Project.

Impact Analysis

a) Would the project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Less Than Significant Impact. Pursuant to the LADOT August 2022 Transportation Assessment Guidelines (TAG), projects should be analyzed to identify potential conflicts with programs, policies, plans, or ordinances that are adopted to protect the environment. Pursuant to the TAG, in general, transportation policies or standards adopted to protect the environment are those that support multimodal transportation options and a reduction in VMT.[242] Each of the documents listed in the TAG (Table 2.1-1) was reviewed for applicability to the Project, and the relevant transportation-related policies are summarized below, along with the Project's conformance or non-conformance with each.

Mobility Plan 2035

The Mobility Plan combines "complete street" principles with the following five goals that define the City's mobility priorities:

1. **Safety First:** Design and operate streets in a way that enables safe access for all users, regardless of age, ability, or transportation mode of choice.

242 Los Angeles Department of Transportation, Transportation Assessment Guidelines, August 2022: https://ladot.lacity.org/sites/default/files/documents/2020-transportation-assessment-guidelines_final_2020.07.27_0.pdf, accessed October 5, 2023.

2. **World Class Infrastructure:** A well-maintained and connected network of streets, paths, bikeways, trails, and more provides Angelenos with the optimum variety of mode choices.

3. **Access for All Angelenos:** A fair and equitable system much be accessible to all and must pay particularly close attention to the most vulnerable users.

4. **Collaboration, Communication, and Informed Choices:** The impact of new technologies on our day-to-day mobility demands will continue to become increasingly important to the future. The amount of information made available by new technologies must be managed responsibly in the future.

5. **Clean Environments and Healthy Communities:** Active transportation modes such as bicycling and walking can significantly improve personal fitness and create new opportunities for social interaction, while lessening impacts on the environment.

The Mobility Plan identifies key corridors within the Project's transportation study area as components of various "mobility-enhanced networks." Though no new specific improvements have been identified and there is no schedule for implementation, the mobility-enhanced networks represent a focus on improving a particular aspect of urban mobility, including transit, neighborhood connectivity, bicycles, pedestrians, and vehicles. The Project would be designed consistent with the mobility-enhanced networks and would not impede the City's ability to implement improvements along the streets surrounding the Project Site.

The Mobility Plan also designates street and sidewalk width standards based on the functional classification. LAMC Section 12.37 states that a project must dedicate and improve adjacent streets to half-right of way standards consistent with the Mobility Plan. The Project is not required to make additional dedications to the public right-of-way along Sunset Boulevard. There is an existing 100' of right-of-way (50' half right-of-way), which is to standards.

The Project Site is located within an AB 2097 Reduced Parking Area, which prohibits the City from imposing or enforcing minimum parking requirements. The Project does not require any parking. The Project would voluntarily provide 263 on-site parking spaces at ground and above-grade levels to be shared amongst all the of the uses on the Site. On-street parking is currently provided along Sunset Boulevard and Everett Street, On-street parking on the Project frontage along Sunset Boulevard and Everett Street will be restricted during the construction period.

The Project also supports initiatives of the Mobility Plan to create transit-oriented developments as it results in the construction of a residential mixed-use development on an infill site served by transit, supporting Metro ridership goals and enhancing transportation mobility. The Project is located in an urbanized area within proximity to transit stops that would encourage use of alternative transportation modes. The Project includes pedestrian enhancements surrounding the Project Site, such as landscaping, sidewalk improvements, and pedestrian access to the Project Site.

Additionally, the Project would provide secured bicycle parking facilities. Furthermore, the Project's design features would further reduce vehicle trips and would result in lower VMT per capita and lower work VMT per employee compared to the average for the area.

The Project's proposed land use and design features including site access; pedestrian, bicycle, and transit accessibility; and loading areas, would not conflict with the policies of the Mobility Plan 2035. Sunset Boulevard at the western boundary of the Project Site is part of the Bicycle Enhanced Network, Pedestrian Enhanced Districts, and Transit Enhanced Network. Vin Scully Avenue is part of the Bicycle Enhanced Network and Pedestrian Enhanced Districts. Marion Avenue is part of the Neighborhood Enhanced Network. Beaudry Avenue west of Sunset Boulevard is part of the Bicycle Enhanced Network and Pedestrian Enhanced Districts. The Project would not conflict with the implementation of future projects in the public right-of-way on these networks.[243]

As detailed in Appendix D of the Transportation Assessment (**Appendix K-1**) and summarized above, the Project is consistent with all applicable policies of the Mobility Plan and the Project does not interfere with other policies identified in the Mobility Plan. Therefore, the Project is consistent with the Mobility Plan.

Plan for a Healthy Los Angeles

Plan for a Healthy Los Angeles: A Health and Wellness Element of the General Plan (Plan for a Healthy Los Angeles) introduces guidelines for the City to follow to enhance the City's position as a regional leader in health and equity, encourage healthy design and equitable access, and increase awareness of equity and environmental issues. The components of the Plan for a Healthy Los Angeles focus on health and wellness through increased quality of life, economic development, equity and environmental justice, housing and community stability, mobility, and open space.

The Project does not conflict with the Plan for a Healthy Los Angeles. It strives to reduce vehicle miles traveled and greenhouse gas emissions by providing mixed use development with a variety of land uses in a neighborhood with high walkability and transit access.[244]

In summary, the Project would promote healthy living where active travel modes are encouraged. The Project would support multi-modal mobility options to improve the convenience of making trips without the use of a personal automobile. The Project includes pedestrian enhancements surrounding the Project Site that would provide better connections to transit stops.

The Project would also provide bicycle parking facilities to encourage bicycling and walking for residents, employees, and visitors to the Project Site. The Project would expand residential and employment opportunities in proximity of residential and commercial areas, destinations, and other neighborhood services in a diverse urban area.

Finally, the Project is estimated to generate lower VMT per capita than the average for the area. VMT directly contributes to GHG emissions; as such, a reduced VMT per capita also reduces GHG per capita.

The Project prioritizes safety and access for all individuals utilizing the Project Site and does not hinder other goals and policies identified in the Plan for a Healthy Los Angeles. Thus, based on

243 Table 8, Transportation Assessment, Fehr & Peers, October 2023.

244 Table 8, Transportation Assessment, Fehr & Peers, October 2023.

the above and as detailed in Appendix D of the Transportation Assessment included as **Appendix K-1** of this SCEA, the Project is consistent with the policies included in the Plan for a Healthy Los Angeles.

Silver Lake-Echo Park-Elysian Valley Community Plan

The Project does not conflict with the transportation components of the Silver Lake-Echo Park-Elysian Valley Community Plan. The Project's prioritization of pedestrian and bicycle access, along with unbundled parking, coincide with the City's goals of increasing the ease by which transit riders, cyclists, and pedestrians can access the site. Additionally, the Project concentrates new residential development on a major transportation corridor, an important objective of the Community Plan. [245]

As previously discussed, the Project incorporates bicycle parking that would improve mobility for pedestrians and promote the use of alternative transportation modes.

In addition, the Project would implement TDM strategies to further reduce the number of single-occupancy vehicle trips generated by the Project.

Further, with the reduction of 13 existing driveways to three, the Project would be designed to minimize vehicle/pedestrian conflicts. Thus, based on the above and as outlined in Appendix D of the Transportation Assessment included as **Appendix K-1** of this SCEA, the Project would not conflict with applicable policies of the Community Plan addressing the circulation system.

LAMC

LAMC Section 12.21.A.16 details the bicycle parking requirements for new developments. As discussed in Section 3, Project Description, of this SCEA, consistent with the requirements set forth in the LAMC, the Project would provide 183 bicycle parking spaces (including 162 long-term spaces and 21 short-term spaces); therefore, the Project would be consistent with LAMC Section 12.21.A.16.

LAMC Section 12.26J, the TDM Ordinance (Ordinance No. 168,700, effective March 31, 1993) establishes trip reduction requirements for non-residential projects, in addition to non-residential components of mixed-use projects in excess of 25,000 square feet. The Project is not required to comply with the City's TDM Program because its commercial use component does not exceed 25,000 square feet.

While not subject to the TDM Ordinance, the Project would incorporate TDM measures to encourage use of alternative transportation modes by providing on-site bicycle parking facilities, providing connection to off-site pedestrian facilities, and concentrating development in proximity to transit opportunities, consistent with the requirements set forth in the TDM Ordinance. Thus, the Project would not conflict with the LAMC.

245 Table 8, Transportation Assessment, Fehr & Peers, October 2023.

Vision Zero Action Plan/Vision Zero Corridor Plan

The primary goal of Vision Zero is to eliminate traffic deaths in the City of Los Angeles by 2025 through a number of strategies, including modifying the design of streets to increase safety. Vision Zero implements projects that are designed to increase safety for the most vulnerable road users. The City has identified numerous streets as part of the High Injury Network (HIN), which is a network of streets where strategic investments will have the biggest impact on reducing death and severe injury. The City has also created an Action Plan identifying the types of improvements that will be implemented.

The Project does not conflict with the goals and objectives set forth in Vision Zero Los Angeles and would not conflict with the implementation of future Vision Zero projects in the public right-of-way. The western boundary of the Project is Sunset Boulevard, which is identified as part of the HIN. The Project's proposed auto access is on Sunset Boulevard and would reduce the number of existing curb cuts along Project frontage to three. Additionally, vehicles exiting the Project via Driveways A and B onto Sunset Boulevard are limit to right-turns only to reduce the likelihood of conflict with northbound vehicles on Sunset Boulevard. The Project is not located in a Safe Routes to School program area. [246]

Thus, the Project would not conflict with Vision Zero.

Citywide Design Guidelines

The Citywide Design Guidelines identify urban design principles to guide architects and developers in designing high-quality projects that meet the City's functional, aesthetic, and policy objectives and help foster a sense of community. As previously discussed, the Design Guidelines are organized around three design approaches: Pedestrian-First Design, 360-Degree Design, and Climate-Adapted Design.

Per the TAG, the Pedestrian-First Design policies are applicable to this analysis. The Pedestrian-First Design approach focuses on design strategies that "create human scale spaces in response to how people actually engage with their surroundings, by prioritizing active street frontages, clear paths of pedestrian travel, legible wayfinding, and enhanced connectivity. Pedestrian-First Design promotes healthy living, increases economic activity at the street level, enables social interaction, creates equitable and accessible public spaces, and improves public safety by putting eyes and feet on the street." The Pedestrian-First Design guidelines are as follows:

- Guideline 1: Promote a safe, comfortable, and accessible pedestrian experience for all.
- Guideline 2: Carefully incorporate vehicular access such that it does not degrade the pedestrian experience.
- Guideline 3: Design projects to actively engage with streets and public space and maintain human scale.

246 Table 8, Transportation Assessment, Fehr & Peers, October 2023.

The Project would not conflict with the circulation components of the Citywide Design Guidelines. The guidelines call for incorporating vehicular access such that it does not discourage and/or inhibit the pedestrian experience and promoting a safe, comfortable, and accessible pedestrian experience.[247]

The Project would enhance the pedestrian experience through its design via the inclusion of pedestrian amenities and would include accessible sidewalks and walkways that provide pedestrian access throughout the Project Site. The corner of Sunset Boulevard and Everett Street also includes an approximately 700 square foot public plaza accessible from the street frontages.

The Project would also provide 83 new on-site trees to provide adequate shade and a more comfortable environment for pedestrians. In addition, the Project would include low-level exterior lights adjacent to the building and along pathways that would serve to enhance the safety of pedestrians at night.

All vehicular access to the Project Site would be provided separately from the pedestrian and bicycle access points. The proposed driveways would be designed to meet all applicable City Building Code and Fire Code requirements regarding site access and would incorporate pedestrian warning systems, as appropriate.

Thus, based on the above and as outlined in Appendix D of the Transportation Assessment, included as **Appendix K-1** of this SCEA, the Project is consistent with the applicable policies of the Design Guidelines.

2020–2045 RTP/SCS

Objective 6 of the 2020–2045 RTP/SCS calls for a circulation system that is coordinated with land uses and densities and adequate to accommodate traffic, and for the expansion and improvement of public transportation service. The Project Site is located in an urbanized area and designated PGAs, including an HQTA, NMA, and Livable Corridor, that is well served by public transit. The Project would include various streetscape improvements and ground level commercial uses that would activate the surrounding pedestrian environment and enhance walkability. Furthermore, the Project would provide bicycle parking per LAMC requirements. Thus, the Project would coordinate land use and circulation by promoting opportunities for the use of alternative modes of transportation, including use of public transportation, walking, and bicycling.

Cumulative Impacts

Less Than Significant Impact. The cumulative analysis takes into consideration the nine Related Projects within 0.5 mile of the Project Site. Similar to the Project, the Related Projects would be individually responsible for complying with relevant plans, programs, ordinances, and policies.

A cumulative impact could occur if the Project as well as Related Projects located on the same block were to preclude the City's ability to implement relevant plans, programs, ordinances, and policies. These Related Projects in combination would have a less-than-significant cumulative

247 Table 8, Transportation Assessment, Fehr & Peers, October 2023.

impact. Accordingly, the Project would not contribute to significant cumulative impacts in conflict with transportation policies and standards and thus, would not conflict with City transportation plans, programs, ordinances, and policies.

Thus, overall, implementation of the Project, together with the Related Projects, would not create inconsistencies with the Mobility Plan, Plan for a Healthy Los Angeles, Community Plan, LAMC, Vision Zero, and the Citywide Design Guidelines.

Thus, the Project and the Related Projects would not result in a cumulative impact that would preclude the City from serving the transportation needs as defined in its adopted programs, plans, ordinances, or policies. Each of the Related Projects considered in this cumulative analysis of consistency with programs, plans, policies, and ordinances would be separately reviewed and approved by the City, including verification regarding their consistency with applicable policies.

Therefore, the Project, together with the Related Projects would not create inconsistencies with respect to the identified programs, plans, policies, and ordinances addressing the circulation system and cumulative impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

Less Than Significant. SB 743, which went into effect in January 2014, requires the Governor's Office of Planning and Research to change the way public agencies evaluate transportation impacts of projects under CEQA. Under SB 743, the focus of transportation analysis has shifted from driver delay, which is typically measured by traffic level of service (LOS), to a new measurement that better addresses the State's goals on reduction of greenhouse gas emissions, creation of multi-modal transportation, and promotion of mixed-use developments. CEQA Guidelines Section 15064.3 states that VMT is the most appropriate measure of transportation impacts, replacing LOS.

On July 30, 2019, the City of Los Angeles adopted the CEQA Transportation Analysis Update, which sets forth the revised thresholds of significance for evaluating transportation impacts as well as screening and evaluation criteria for determining impacts. The CEQA Transportation Analysis Update establishes VMT as the City's formal method of evaluating a project's transportation impacts. In conjunction with this update, LADOT adopted its *Transportation Assessment Guidelines* (July 2019, updated July 2020, updated August 2022), which defines the methodology for analyzing a project's transportation impacts in accordance with SB 743. The TAG identifies distinct thresholds regarding significant VMT impacts for the seven Area Planning Commission (APC) areas in Los Angeles.

The Project Site is located within the East Los Angeles APC, for which the following thresholds have been established:

- Household VMT per Capita: 7.2
- Work VMT per Employee: 12.7

Per the VMT Calculator User Guide (May 2020), work VMT per employee is not reported for projects with local-serving commercial uses (i.e., commercial uses less than 50,000 square feet), and is thus, considered to be less than significant. As such, the Project's 9,462 square feet of ground-floor commercial space would not result in a significant work VMT impact.[248]

Based on the Project's land uses and location, the Project is estimated to generate 11,632 daily household VMT, resulting in a daily household VMT per capita of 5.3. The average household VMT per capita would not exceed the East Los Angeles APC significance household impact threshold of 7.2. Therefore, the Project would not result in a significant VMT impact.[249]

Accordingly, the Project would not conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b), and VMT impacts would be less than significant.

LADOT reviewed the Transportation Assessment and issued an approval confirming that the Project would not have a significant transportation impact, included as **Appendix K-2** of this SCEA.[250]

Project Design Features

The Project would implement the following project design features:

PDF-TRAN-1: Construction Traffic Management Plan

Pursuant to City's requirements, prior to the start of construction, a Construction Traffic Management Plan shall be prepared and submitted to LADOT for review and approval. The Construction Traffic Management Plan will formalize how construction would be carried out and identify specific actions that would be required to reduce effects on the surrounding community. The Construction Traffic Management Plan will include, but not be limited to, the following measures, as appropriate:

- To accommodate Project construction, closure of the northbound parking/PM peak hour bus lane on Sunset Boulevard along the Project frontage is anticipated between 6:30 AM and 4:00 PM, so as not to interfere with PM peak hour buses or the Dodger Stadium Express bus route during home games. During construction of the Project, a pedestrian canopy will be constructed to maintain access to the sidewalk, bus stop, and crosswalks at Marion Avenue.

- The existing land uses near the vicinity of the Project Site will remain open throughout construction. Pedestrian and vehicular access to properties located adjacent and near to the Project Site would remain open and unobstructed for the duration of construction. No loss of ADA pedestrian access to transit stops, stations, or facilities is anticipated.

248 Transportation Assessment, Fehr & Peers, October 2023.
249 Transportation Assessment, Fehr & Peers, October 2023.
250 Approval Letter, Los Angeles Department of Transportation, December 7, 2023.

On-street parking on the Project frontage along Sunset Boulevard and Everett Street will be restricted during the construction period.

- Staging and parking areas during construction would initially be located at an off-site location to be determined at a future date. No staging and worker parking would occur on public streets and rights-of-way.
- Workers would park in the Project's subterranean parking garage after it is constructed.
- Advance, bilingual notification of adjacent property owners and occupants of upcoming construction activities, including durations and daily hours of operation;
- Prohibition of construction worker or equipment parking on adjacent streets;
- Prohibition of haul truck staging on any streets adjacent to the Project, unless specifically approved as a condition of an approved haul route;
- Scheduling of construction activities to reduce the effect on traffic flow on surrounding Arterial Streets;
- Containment of construction activity within the Project Site boundaries;
- Implementation of safety precautions for pedestrians and bicyclists through such measures as alternate routing and protection barriers;
- Scheduling of construction-related deliveries, haul trips, etc., to occur outside the commuter peak hours to the extent feasible;
- Spacing of trucks so as to discourage a convoy effect;
- Sufficient dampening of the construction area to control dust caused by grading and hauling and reasonable control at all times of dust caused by wind;
- Maintenance of a log, available on the job site at all times, documenting the dates of hauling and the number of trips (i.e., trucks) per day; and
- Identification of a construction manager and provision of a telephone number for any inquiries or complaints from residents regarding construction activities posted at the site readily visible to any interested party during site preparation, grading, and construction.

PDF-TRAN-2: Transportation Demand Management (TDM) Measures:

Although the Project is not expected to cause any significant transportation impact or non-CEQA operational issues in accordance with the TAG, the Project proposes

the following TDM measures to reduce trips, traffic, VMT, and greenhouse gas emissions (GHGs):

- Reduced parking supply (263 spaces) compared to Los Angeles Municipal Code (LAMC) baseline requirements (621 spaces), in accordance with AB 2097.
- Unbundled cost of parking from residential leases.
- Promotions and marketing program (kiosk, coordinator, pamphlets, website) to inform travelers about different transportation options and the effects of their travel choices.
- Bicycle parking per LAMC.

Cumulative Impacts

Less Than Significant. Cumulative effects of development projects are determined based on the consistency with the air quality and GHG reduction goals of the RTP/SCS in terms of development location, density, and intensity. As detailed in the TAG, for projects that do not demonstrate a project impact by applying an efficiency-based impact threshold (i.e., household VMT per capita or work VMT per employee) in the project impact analysis, a less than significant impact conclusion is sufficient in demonstrating there is no cumulative VMT impact, as those projects are already shown to align with the long-term VMT and GHG goals of the RTP/SCS.

As described above, the Project would not result in a significant VMT impact. Therefore, the Project is not anticipated to result in a cumulative VMT impact. Furthermore, the Project would also contribute to the productivity and use of the regional transportation system by providing employment and housing near transit and encouraging active transportation by providing new bicycle parking infrastructure and active street frontages, in line with RTP/SCS goals. Thus, the Project is consistent with the RTP/SCS goal of maximizing mobility and accessibility in the region.

As such, the Project's contribution to cumulative impacts would not be cumulatively considerable, and cumulative impacts associated with CEQA Guidelines Section 15064.3, subdivision (b) would be less than significant.

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. Pursuant to the TAG (Threshold T-3) the determination of significance regarding hazards due to a geometric design feature or incompatible uses should be based on commonly-accepted traffic engineering design standards (such as those identified in LADOT MPP Section 321, regarding driveway design) while considering the amount of pedestrian and bicycle activity crossing vehicular access points, sight distance and physical conditions such as curves or grade changes, and the project's proximity to streets identified in the High Injury Network or the Safe Routes to School program.

Vehicular access to the Project Site would be provided via two stop-controlled driveways and one-signalized driveway that would provide access to structured parking. There are currently 13 driveways serving the Project Site along Sunset Boulevard. The Project proposes reducing vehicular access points to three driveways (Access A, B, and C) on Sunset Boulevard. The other existing vehicle access points to the Project site would be closed. Below is a description of the Project's proposed driveways:

- Access A: The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard at the northern end of the Site. Outbound left-turns from this driveway would not be permitted.

- Access B: The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard in the middle of the Site. Outbound left-turns from this driveway would not be permitted.

- Access C: The Project proposes a full-access driveway that would form the fourth leg (west facing) of the signalized intersection of Sunset Boulevard and Marion Avenue.

Each driveway would serve separate parking structures. The Project's vehicular driveways would be designed to the City standards and would provide adequate sight distance. They would not require the removal or relocation of existing public transit stops. Sunset Boulevard along the Project Site is part of the designated High Injury Network, however, the number of Project Site driveways along Sunset Boulevard would be reduced from 13 to three. Loading would be provided on-site. The new driveways would be designed in accordance with the regulatory standards and subject to the approval of LADOT and Bureau of Engineering.

The Project would modify the public right-of-way by providing the fourth leg (driveway) of the Sunset Boulevard and Marion Avenue signalized intersection. The Project proposes a full-access driveway at this intersection which would involve the modification of traffic signal equipment, curbs, ramps, and striping, as described in **Project Design Feature PDF-TRAN-3**.

Pedestrian and bicycle volumes are expected to increase to and from the Project Site. Nonetheless, the Project is designed to encourage and accommodate the increases in pedestrian and bicycle activity to and from the Project Site, though not in sufficient quantities to result in a significant conflict with the vehicles using the access points. Further, with the reduction of 13 existing driveways to three, the Project would be designed to minimize vehicle/pedestrian conflicts.

Currently, the sidewalks along the Project frontages provide a continuous pedestrian connection to the Project Site. The Project includes pedestrian enhancements surrounding the Project Site, such as landscaping and sidewalk improvements. Pedestrian access to the Project would be provided via street-facing entrances along Sunset Boulevard with a series of internal pedestrian walkways throughout the Project Site. This would allow easy access to the public right-of-way and other destinations. The Project's pedestrian access locations would be designed to the City standards and would not increase hazards by introducing entrances that would cause visibility issues or conflicts between vehicles and pedestrians.

Further, pedestrian and bicycle access to the Project Site would be separated from vehicular traffic. The Project improvements would not preclude or interfere with the implementation of any other future roadway improvements benefiting pedestrians or bicycles. The Project driveways would be designed and placed to provide adequate sight distance and pedestrian refuge areas to limit potential vehicular-bicycle or vehicular-pedestrian conflicts. Based on the above, the Project does not present geometric design hazards related to mobility or pedestrian accessibility.

Freeway Safety

In May 2020, LADOT issued the City Freeway Guidance for land use proposals that are required to prepare a Transportation Assessment. The freeway safety analysis evaluates a proposed project's effects to cause or lengthen a forecasted off-ramp queue onto the freeway mainline and create speed differentials between vehicles exiting the freeway off-ramps and vehicles operating on the freeway mainline that could constitute a potential safety impact under CEQA.

The freeway safety analysis evaluates a proposed project's potential to cause or lengthen a forecasted off-ramp queue on the freeway mainline that could lead to a potential safety impact due to speed differentials between vehicles exiting the freeway off-ramps and vehicles traveling on the freeway mainline.

The TAG guidance on freeway safety analysis requires analysis of freeway off-ramps where a proposed project is projected to add 25 or more trips in either the morning or afternoon peak hour to be studied for potential queuing impacts. Because the Project is not projected to add 25 or more peak hour trips at any freeway off-ramps, a freeway ramp analysis is not required. The Project is estimated to generate no more than 53 new inbound trips during either peak hour, of which less than 10% would be expected to utilize any single freeway off-ramp. Therefore, the Project is not projected to cause a significant safety impact and no further analysis is required.

Project Design Features

PDF-TRAN-3: Modification of Sunset Boulevard and Marion Avenue intersection (Project driveway):

The Project proposes a full-access driveway to form the fourth leg of the Sunset Boulevard and Marion Avenue signalized intersection. This would involve the modification of traffic signal equipment, curbs, ramps, and striping at this intersection, pursuant to approval by LADOT and other relevant City departments.

Cumulative Impacts

Less Than Significant Impact. Of the nine Related Projects within 0.5 mile of the Project Site, only one of the Related Projects (No. 9) is located within the same block along Sunset Boulevard as the Project. Related Projects Nos. 6, 7, and 8 are along Sunset Boulevard but separated from the Project by substantial distances exceeding 240 feet. Related Project No. 9 is located at 1251 Sunset Boulevard, directly north of the Project Site. The proposed driveways would be approximately 150 feet from each other and would be part of a section of the roadway along the east side of Sunset Boulevard that would be reducing the driveway curb cuts from 13 to 3 (or 4 if

Related Project No. 9 is included). This is a positive point from the Vision Zero review, which is relevant because the Sunset Boulevard is on a High Injury Network street. In addition, there are no driveway queueing issues in or out of the Project Site.[251]

Therefore, the Project would not result in cumulative impacts that would substantially increase hazards due to geometric design features, including safety, operational, or capacity impacts. Thus, Cumulative impacts would be less than significant.

d) Would the project result in inadequate emergency access?

Less Than Significant Impact. While it is expected that the majority of construction activities for the Project would primarily be confined on-site, limited off-site construction activities, such as traffic control and flagging, may occur in adjacent street rights-of-way during certain periods of the day, which could potentially require temporary lane closures.

However, if lane closures are necessary, the remaining travel lanes would be maintained in accordance with standard management plans required by LADOT that would be implemented to ensure adequate circulation and emergency access along the Project Site would be maintained, as discussed in **Project Design Feature PDF-TRAN-1**.

With regard to operation, the Project would generate traffic in the Project vicinity and would result in limited modifications to Project Site access, primarily associated with access points. The Project would not include the installation of barriers along any surrounding streets such that emergency access would be modified or impeded. In addition, the Project would comply with LAFD access requirements and applicable LAFD regulations regarding safety.

Furthermore, LAMC Section 57.118 establishes LAFD's fire/life safety plan review and LAFD's fire/life safety inspection for new construction projects. The Project would comply with these requirements of the Fire Code, as applicable. Therefore, the Project would not result in inadequate emergency access to the Project Site or surrounding uses, and impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. As analyzed above, the Project would not result in inadequate emergency access. As with the Project, any driveway and/or circulation modifications proposed within or adjacent to the Related Project sites would be required to meet all applicable City Building Code and Fire Code requirements regarding site access, including providing adequate emergency vehicle access. Compliance with applicable City Building Code and Fire Code requirements, including emergency vehicle access, would be confirmed as part of LAFD's fire/life safety plan review and LAFD's fire/life safety inspection for new construction projects, as set forth in LAMC Section 57.118, and which are required prior to the issuance of a building permit. Additionally, the additional traffic generated by the Related Projects would be dispersed throughout the study area and would not be concentrated to a specific location.

[251] Table 17, Transportation Assessment, Fehr & Peers, October 2023.

Furthermore, since modifications to access and circulation plans are largely confined to a project site and the immediately surrounding area, a combination of project-specific impacts with those associated with other Related Projects that could lead to cumulative impacts is not expected. Therefore, Project impacts with respect to emergency access would not be cumulatively considerable, and cumulative impacts would be less than significant.

1.18 Tribal Cultural Resources

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☒	☐	☐
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision I of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision I of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM TCR-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on tribal cultural resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Avoidance and preservation of the resources in place, including, but not limited to, planning and construction to avoid the resources and protect the cultural and natural context, or planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria;

b) Treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: protecting the cultural character and integrity of the resource; protecting the traditional use of the resource; and protecting the confidentiality of the resource;

c) Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places; and protecting the resource.

Applicability to the Project

As discussed below, the Project would implement **Mitigation Measure MM-TCR-1** tailored for the Project's location and development characteristics, which would be equal to or more effective than **PMM TCR-1**, would ensure that the Project's impacts regarding tribal cultural resources would be less than significant. As such, **PMM TCR-1** would not be incorporated as part of the Project.

Impact Analysis

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1 (k), or

ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision I of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision I of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less Than Significant With Mitigation Incorporated. AB 52, which requires lead agencies to consult with tribes about potential project impacts and tribal cultural resources in the project area, applies specifically to projects for which a Notice of Preparation of an Environmental Impact Report (EIR) or a Notice of Intent to Adopt a Negative Declaration (ND) or Mitigated Negative Declaration (MND) will be filed on or after July 1, 2015. Environmental review for the Project is not expected to require preparation of an EIR, ND or MND; therefore, notification and government-to-government consultation pursuant to AB 52 and its implementing regulations have not been conducted.

Construction activities are anticipated to result in a maximum excavation depth of up to 62 feet bgs for the subterranean level, foundation elements, and grading of soils for the worse-case under the descending slope in the northeast corner of the Site.[252] Implementation of **Mitigation Measure MM-TCR-1** would reduce potential impacts related to tribal cultural resources to a less-than-significant level. In summary, the Project would not cause a substantial adverse change in the significance of a tribal cultural resource, as defined in Public Resources Code section 21074, and potential impacts to tribal cultural resources would be less than significant.

252 Page 13, Updated Geotechnical Engineering Investigation, Geotechnologies, September 6, 2023.

Mitigation Measure

To ensure that Project impacts related to the inadvertent discovery of tribal cultural resources would be less than significant, the following mitigation measure is required:

MM-TCR-1: Inadvertent Discovery Of Tribal Cultural Resources

In the event that objects or artifacts that may be tribal cultural resources are encountered during the course of any ground disturbance activities (excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, removing peat, clearing, driving posts, augering, backfilling, blasting, stripping topsoil or a similar activity), all such activities shall temporarily cease on the project site until the potential tribal cultural resources are properly assessed and addressed pursuant to the process set forth below:

- Upon a discovery of a potential tribal cultural resource, the Applicant shall immediately stop all ground disturbance activities and contact the following: (1) all California Native American tribes that have informed the City they are traditionally and culturally affiliated with the geographic area of the proposed project; (2) and the Department of City Planning at (213) 978-1290.

- If the City determines, pursuant to PRC Section 21074 (a)(2), that the object or artifact appears to be tribal cultural resource, the City shall provide any effected tribe a reasonable period of time, not less than 30 days, to conduct a site visit and make recommendations to the Applicant and the City regarding the monitoring of future ground disturbance activities, as well as the treatment and disposition of any discovered tribal cultural resources.

- The Applicant shall implement the tribe's recommendations if a qualified archaeologist and by a culturally affiliated tribal monitor, both retained by the City and paid for by the Applicant, reasonably concludes that the tribe's recommendations are reasonable and feasible.

- The Applicant shall submit a tribal cultural resource monitoring plan to the City that includes all recommendations from the City and any effected tribes that have been reviewed and determined by the qualified archaeologist and by a culturally affiliated tribal monitor to be reasonable and feasible. The Applicant shall not be allowed to recommence ground disturbance activities until this plan is approved by the City.

- If the Applicant does not accept a particular recommendation determined to be reasonable and feasible by the qualified archaeologist or by a culturally affiliated tribal monitor, the Applicant may request mediation by a mediator agreed to by the Applicant and the City who

has the requisite professional qualifications and experience to mediate such a dispute. The Applicant shall pay any costs associated with the mediation.

- The Applicant may recommence ground disturbance activities outside of a specified radius of the discovery site, so long as this radius has been reviewed by the qualified archaeologist and by a culturally affiliated tribal monitor and determined to be reasonable and appropriate.

- Copies of any subsequent prehistoric archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center (SCCIC) at California State University, Fullerton.

In summary, with implementation of **Mitigation Measure MM-TCR-1**, the Project's potential impacts to tribal cultural resources would be less than significant.

Cumulative Impacts

Less Than Significant Impact. There are nine Related Projects within 0.5 mile of the Project Site. None of the Related Projects are located within the same block as the Project. Although impacts to tribal cultural resources tend to be site-specific, cumulative impacts would occur if the Project, Related Projects, and other future development within the Community Plan area affected the same tribal cultural resources and communities. All Project development would occur within the boundaries of the Project Site, and, as discussed above, there are no tribal cultural resources identified on the Project Site. However, in the event that tribal cultural resources are uncovered, the Project and each Related Project would be required to comply with the applicable regulatory requirements discussed above.

In addition, Related Projects would be required to comply with the City's standard mitigation measure regarding inadvertent discovery of tribal cultural resources and the consultation requirements of AB 52, as applicable, to determine and mitigate any potential impacts to tribal cultural resources. Therefore, cumulative impacts related to tribal cultural resources would be less than significant and would not be cumulatively considerable.

1.19 Utilities and Service Systems

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:				
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

This section is based on the following items, which are included as **Appendix L** to this SCEA:

L-1 Wastewater Response, Los Angeles Bureau of Sanitation, October 17, 2023

L-2 Water Response, Los Angeles Department of Water and Power, December 1, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM USSW-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce the generation of solid waste, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

Integrate green building measures with CALGreen (California Building Code Title 24) into project design, including but not limited to the following:

a) Reuse and minimization of construction and demolition (C&D) debris and diversion of C&D waste from landfills to recycling facilities.

b) Inclusion of a waste management plan that promotes maximum C&D diversion.

c) Source reduction through (1) use of materials that are more durable and easier to repair and maintain, (2) design to generate less scrap material through dimensional planning, (3) increased recycled content, (4) use of reclaimed materials, and (5) use of structural materials in a dual role as finish material (e.g., stained concrete flooring, unfinished ceilings, etc.).

d) Reuse of existing structure and shell in renovation projects.

e) Development of indoor recycling program and space.

f) Discourage the siting of new landfills unless all other waste reduction and prevention actions have been fully explored. If landfill siting or expansion is necessary, site landfills with an adequate landfill-owned, undeveloped land buffer to minimize the potential adverse impacts of the landfill in neighboring communities.

g) Discourage exporting of locally generated waste outside of the SCAG region during the construction and implementation of a project. Encourage disposal within the county where the waste originates as much as possible. Promote green technologies for long-distance transport of waste (e.g., clean engines and clean locomotives or electric rail for waste-by-rail disposal systems) and consistency with SCAQMD and Connect SoCal policies can and should be required.

h) Encourage waste reduction goals and practices and look for opportunities for voluntary actions to exceed the 80 percent waste diversion target.

i) Encourage the development of local markets for waste prevention, reduction, and recycling practices by supporting recycled content and green procurement policies, as well as other waste prevention, reduction and recycling practices.

j) Develop ordinances that promote waste prevention and recycling activities such as: requiring waste prevention and recycling efforts at all large events and venues; implementing recycled content procurement programs; and developing opportunities to divert food waste away from landfills and toward food banks and composting facilities.

k) Develop and site composting, recycling, and conversion technology facilities that have minimum environmental and health impacts.

l) Integrate reuse and recycling into residential industrial, institutional and commercial projects.

m) Provide education and publicity about reducing waste and available recycling services.

n) Implement or expand city or county-wide recycling and composting programs for residents and businesses. This could include extending the types of recycling services offered (e.g., to include food and green waste recycling) and providing public education and publicity about recycling services.

Applicability to the Project

Consistent with **PMM USSW-2**, the Project would comply with existing regulatory requirements that are already incorporated in the Project, including adherence to applicable regulations of Title 24 of the California Building Code including re-using and minimizing construction and demolition debris, diversion from local landfills, and utilizing on-site recycling. Additionally, there is adequate landfill capacity in the region to accommodate Project-generated waste, and no Project-specific impacts related to solid waste are necessary. Since the Project would not have the potential to generate solid waste in excess of State or local standards and incorporates regulatory compliance measures that are consistent with applicable solid waste reduction measures under **PMM USSW-2**, this measure would not be incorporated into the Project.

PMM USWW-1: In accordance provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on utilities and service systems, particularly for construction of wastewater facilities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

- During the design and CEQA review of individual future projects, implementing agencies and projects sponsors shall determine whether sufficient wastewater capacity exists for the proposed projects. There CEQA determinations must ensure that the proposed development can be served by its existing or planned treatment capacity. If adequate capacity does not exist, project sponsors shall coordinate with the relevant service provider to ensure that adequate public services and utilities could accommodate the increased demand, and if not, infrastructure improvements for the appropriate public service or utility shall be identified in each project's CEQA documentation. The relevant public service provider or utility shall be responsible for undertaking project-level review as necessary to provide CEQA clearance for new facilities.

Applicability to the Project

Consistent with the above measure, and as discussed in the impact analysis below, the Project would ensure that there is sufficient wastewater infrastructure capacity to serve the Project. As no Project-specific impact would occur, **PMM USWW-1** would not be incorporated into the Project.

PMM USWS-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to ensure sufficient water supplies, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Reduce exterior consumptive uses of water in public areas, and should promote reductions in private homes and businesses, by shifting to drought-tolerant native landscape plantings, using weather-based irrigation systems, educating other public agencies about water use, and installing related water pricing incentives.

b) Promote the availability of drought-resistant landscaping options and provide information on where these can be purchased. Use of reclaimed water especially in median landscaping and hillside landscaping can and should be implemented where feasible.

c) Implement water conservation best practices such as low-flow toilets, water-efficient clothes washers, water system audits, and leak detection and repair.

d) For projects located in an area with existing reclaimed water conveyance infrastructure and excess reclaimed water capacity, use reclaimed water for non-potable uses, especially landscape irrigation. For projects in a location planned for future reclaimed water service, projects should install dual plumbing systems in anticipation of future use. Large developments could treat wastewater onsite to tertiary standards and use it for nonpotable uses onsite.

Applicability to the Project

As described in the impact analysis below, available water resources are available to serve the Project, and no impacts regarding water supply are anticipated to occur. Furthermore, the Project would be required to comply with current water conservation measures required by Title 24 and the City's Green Building Code, which includes measures that are consistent with **PMM USWS-1**. As the applicable regulatory requirements are equal to or more effective that **PMM USWS-1**, it is not incorporated into the Project.

Impact Analysis

a) Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power,

natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less Than Significant Impact.

Water

Construction

Project construction activities would require water for a variety of activities, including but not limited to dust control, cleaning of equipment, excavation/export, removal and re-compaction. Based on a review of construction projects of similar size and duration, a conservative estimate of Project water use during construction averages 3,020 gallons/acre/day.[253] With a 2.459 acre Site, the Project would use an estimated 7,426 gallons per day. The estimated construction-period water demand will be less than the estimated operational demand of the Project, which, as discussed below, can be accommodated by existing infrastructure. Thus, it is anticipated that the existing water infrastructure would meet the limited and temporary water demand associated with construction of the Project. As such, water needs during construction of the Project would not result in the construction of new or expanded water distribution facilities, and the existing off-site LADWP water infrastructure system would be adequate to provide for the water flow necessary to serve the Project during construction. Impacts on water infrastructure due to construction activity would therefore be less than significant.

The Project would also require construction of new, on-site water distribution lines to serve the new buildings. Such improvements/activities would primarily involve trenching in order to place the water distribution lines below surface and would be limited to on-site water distribution, and minor off-site work associated with connection to the public main, if required. Prior to ground disturbance, Project contractors would coordinate with LADWP to identify the locations and depth of all lines. Further, LADWP would be notified in advance of proposed ground disturbance activities to avoid water lines and disruption of water service.

While trenching and installation activities could temporarily affect traffic flow and access on the adjacent streets and sidewalks, a Construction Traffic Management Plan would be implemented pursuant to **Project Design Feature PDF-TRAN-1**, as discussed under Checklist Section 17, Transportation, of this SCEA. This Construction Traffic Management Plan, which would be reviewed and approved by LADOT, would ensure the safe and efficient flow of vehicular and pedestrian traffic, and that emergency access to the Project Site and adjacent properties is maintained during the construction period. Overall, Project construction activities would not require or result in the relocation or construction of new or expanded water facilities, the construction or relocation of which could cause significant environmental effects. Therefore, Project construction-related water infrastructure impacts would be less than significant.

Operation

LADWP maintains water infrastructure to the Project Site. There is one 12-inch water main in Sunset Boulevard that turns into a 12-inch main in Everett Street that can be used to establish

[253] Air & Waste Management Association Air Pollution Engineering Manual (1992 Edition.

fire and domestic services. There are no known deficiencies.[254] In addition to providing domestic water service, LADWP provides water to the Project Site for fire protection services in accordance with the City's Fire Code (LAMC Chapter V, Article 7). There are four existing fire hydrants along Sunset Boulevard within 240 feet of the Site.

Based on the land use shown in LAMC Table 57.507.3.3, the required fire flow for the Project Site is expected to be 4,000 gallons per minute (gpm) from four fire hydrants flowing simultaneously with a residual pressure of 20 pounds per square inch (psi), which corresponds to the High Density Residential and Commercial Neighborhood Category. Therefore, the Project would be required to comply with LAMC Section 57.507.3.

As shown in **Table 5.19.1**, the Project operation would consume approximately 42,159 gpd (or 0.042 mgd) of water and discharge an equivalent amount of wastewater. It should be noted that this does not account for the effectiveness of water conservation measures required in accordance with the City's Green Building Code, which would likely reduce the Project's water consumption (and wastewater generation).

Table 5.19-1
Project Estimated Water Consumption and Wastewater Generation

Land Use	Size	Rates	Total (gpd)
Proposed Project			
Residential – Studio	13 units	75 gallons / unit	975
Residential – 1-bedroom	230 units	110 gallons / unit	25,300
Residential – 2-bedroom	79 units	150 gallons / unit	11,850
Residential – 3-bedroom	5 units	190 gallons / unit	950
Commercial Restaurant	9,462 sf	300 gallons / 1,000 sf	2,837
Pool	45,000 gallons	Assume 2x yearly filling	247
		Proposed Total	**42,159**

Note: sf = square feet; gpd = gallons per day
Rates: Los Angeles Bureau of Sanitation, Sewage Generation Factor, effective date April 6, 2012. Wastewater generation is assumed to equal water consumption. Per the LADWP: "For estimating a project's indoor water demand, we use applicable sewer generation factors (sgf)."
Table: CAJA Environmental Services, October 2023.

According to the LADWP, for any project that is consistent with the City's General Plan, the projected water demand associated with that project is considered to be accounted for in the 2020 Urban Water Management Plan.[255]

As was shown in the Land Use analysis of this SCEA, the Project would be consistent with the City's General Plan land use designation for the Project Site. Additionally, the Project Applicant would be required to comply with the water efficiency standards outlined in City Ordinance No.

254 Water Response, Los Angeles Department of Water and Power, December 1, 2023.

255 LADWP, UWMP, 2020: https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-water/a-w-sourcesofsupply/a-w-sos-uwmpln;jsessionid=0f8GkV7FhZyXG4fp4vzmdzl6ppkmjD1WSc5lN97FyxhXZTsnmJ1J!-1538674557?_afrLoop=1190897232113430&_afrWindowMode=0&_afrWindowId=null#%40%3F_afrWindowId%3Dnull%26_afrLoop%3D1190897232113430%26_afrWindowMode%3D0%26_adf.ctrl-state%3D4rq085lkg_4

180822[256] and in the LAGBC[257] to minimize water usage. Further, prior to issuance of a building permit, the Project Applicant would be required to consult with LADWP to determine Project-specific water supply service needs and all water conservation measures that shall be incorporated into the Project. As such, the Project would not require new or additional water supply or entitlements.

Demographic projections for the LADWP service area are based on SCAG's demographic growth forecast for their 2020-2045 RTP/SCS. The 2020 UWMP provides demographic projections in 5-year increments from 2025 to 2045.[258] Based on the City's VMT Calculator Documentation, the Project could generate a new residential population of approximately 773 residents.[259] The estimated 773 new residents generated by the Project would represent approximately 0.67 percent of the population growth forecasted by SCAG's 2020–2045 RTP/SCS in the City of Los Angeles Subregion between 2023 and 2027.[260] Therefore, no Project impacts related to water supply would occur and the Project would be adequately served by the LADWP.

The 2020 UWMP was adopted in May 2021 and projects a demand of 642,600 AFY in 2025 (average weather year).[261] The UWMP forecasts water demand by estimating baseline water consumption by use (single family, multi-family, commercial/government, industrial), then adjusting for projected changes in socioeconomic variables (including personal income, family size, conservation effects) and projected growth of different uses based on SCAG 2020-2045 RTP/SCS.[262] The 2020-2045 RTP/SCS models local and regional population, housing supply and jobs using a model accounting for job availability by wage and sector and demographic trends (including household size, birth and death rates, migration patterns and life expectancy).[263]

In general, projects that conform to SCAG's 2020-2045 RTP/SCS demographic projections and are in the City's service area are considered to have been included in LADWP's water supply planning efforts in the UWMP. The Project is consistent with the General Plan designation and Community Plan and zoning. In terms of the City's overall water supply condition, the water requirement for any project that is consistent with the City's General Plan has been taken into account in the planned growth of the water system. Furthermore, the Project would not exceed the available capacity within the distribution infrastructure that would serve the Project. Any shortfall in LADWP controlled supplies (groundwater, recycled, conservation, LA aqueduct) is offset with MWD purchases to rise to the level of demand. The UWMP demonstrates adequate capacity currently and future capacity to accommodate City growth into which the Project.

To demonstrate LADWP's water supply reliability, the UWMP summarizes the water demands and supplies for single-dry year conditions through 2045, which represents the City's planned

256 Los Angeles, Ordinance No. 180822: http://clkrep.lacity.org/onlinedocs/2009/09-0510_ord_180822.pdf

257 Los Angeles, Green Building Code: http://www.ladbs.org/forms-publications/forms/green-building

258 2020 Urban Water Management Plan, Los Angeles, page ES-6.

259 City of Los Angeles VMT Calculator Documentation Guide, Table 1, May 2020, City of Los Angeles VMT Calculator Documentation Guide, Table 1. City of Los Angeles VMT Calculator Documentation, v1.3. LADOT population and employee numbers are shown on Table 1: https://ladot.lacity.org/sites/default/files/documents/vmt_calculator_documentation-2020.05.18.pdf. As shown, multi-family residential is 2.25 persons per unit and affordable family is 3.14 persons per unit.

260 773 persons / 115,517 persons x 100% = 0.67%

261 2020 Urban Water Management Plan, Los Angeles, Exhibit ES-S.

262 2020 Urban Water Management Plan, Los Angeles, page 1-5.

263 SCAG, 2020-2045 RTP/SCS, Demographic and Growth Forecast, page 3.

supply projected to meet projected water demands under the most critical hydrologic conditions.[264] In 2025, the total water demand and total supplies equals 674,700 acre-feet and grows to 747,000 acre-feet by 2045 for a single dry year. As required by the California Water Code (CWC) Section 10632, LADWP has six standard water supply shortage levels and corresponding response actions, inkling withdrawing from available emergency storage along the Los Angeles Aqueduct System and local groundwater basins.

Larger developments (e.g., residential projects with 500 or more units) are required to prepare and obtain approval of a Water Supply Assessment (WSA) from LADWP per SB 610. This Project contains 327 units which is below the threshold size of 500 units and does not require a WSA.

Based on the above, the Project would not exceed the available capacity of existing water facilities, including the distribution infrastructure, that would serve the Project Site. Accordingly, the Project would not require or result in the relocation or construction of new or expanded water facilities, the construction or relocation of which could cause significant environmental effects. Therefore, the Project's operational impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative impact analysis on water infrastructure is the vicinity of the Project Site (i.e., the area served by the same water infrastructure as the Project). Development of the Project and the nine Related Projects would cumulatively increase demands on the existing water infrastructure system. However, as with the Project, the Related Projects would be subject to LADWP requirements to ensure that the existing water infrastructure is adequate to meet the domestic and fire demands.

In addition, LADWP will continue to implement and update its Water Infrastructure Plan (WIP), for needed water system infrastructure improvements and maintenance.[265] Furthermore, in accordance with City requirements, prior to ground disturbance, the Related Projects would be required to coordinate with LADWP to identify the locations and depths of all lines, and LADWP would be notified in advance of proposed ground disturbance activities to avoid disruption of water service associated with the Related Projects. LADWP would also review and approve all appropriate connection requirements, pipe depths, and connection location(s) associated with the Related Projects.

Additionally, as with the Project, the Related Projects would be required to implement a Construction Traffic Management Plan to ensure that adequate and safe access remains available within and near the Related Projects during construction activities. Therefore, cumulative water infrastructure impacts would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

264 2020 Urban Water Management Plan, Los Angeles, page ES-20.
265 LADWP, 2018–2019 Water Infrastructure Plan.

Wastewater

Construction

Construction activities for the Project could result in wastewater generation from construction workers on-site. However, wastewater generation during construction of the Project would be temporary and nominal. Furthermore, construction workers would typically utilize portable restrooms and hand wash areas provided by the construction contractor, which would not contribute to wastewater flows to the City's wastewater system. Thus, wastewater generation from Project construction activities would not cause a measurable increase in wastewater flows that would result in the need for new or expanded wastewater treatment facilities.

The Project would require construction of new on-site infrastructure to serve new buildings, and potential upgrades and/or relocations of existing wastewater infrastructure. Construction impacts associated with wastewater infrastructure would primarily be confined to trenching for utility lines and connections to the public infrastructure and would be limited to the on-site wastewater distribution, and minor off-site work associated with connections to the public main (no upgrades to the public main are anticipated, as discussed below).

Project contractors would coordinate with the City to identify the locations and depth of all lines prior to ground disturbance. Furthermore, the City would be notified in advance of proposed ground disturbance activities in order to avoid disruption of service. In addition, as set forth in **Project Design Feature PDF-TRAN-1** included under Checklist Section 17, Transportation, of this SCEA, a Construction Traffic Management Plan would be implemented during Project construction to ensure that adequate and safe pedestrian and vehicle access remains available within and near the Project Site during construction activities. The Construction Traffic Management Plan would identify the location of any temporary street parking or sidewalk closures, warning signs, and access to abutting properties. Appropriate construction traffic control measures (e.g., detour signage, delineators, etc.) would also be implemented, as necessary, to ensure emergency access to the Project Site and traffic flow is maintained on adjacent rights-of-way. Overall, Project construction would not require or result in the relocation or construction of new or expanded wastewater treatment facilities, the construction or relocation of which could cause significant environmental effects. Therefore, impacts to the wastewater conveyance or treatment system associated with construction of the Project would be less than significant.

Operation

LASAN operates and maintains the wastewater treatment, reclamation, and collection facilities serving most of the City of Los Angeles incorporated areas, including the Project Site, as well as several other cities and unincorporated areas in the Los Angeles basin and San Fernando Valley. Wastewater generated by the Project would be conveyed via the existing wastewater conveyance system for treatment at the Hyperion Treatment Plant (HTP) System. The existing design capacity of the Hyperion Service Area is approximately 550 million gallons per day (mgd) (consisting of 450 mgd at the HTP, 80 mgd at the Donald C. Tillman Water Reclamation Plant, and 20 mgd at the Los Angeles–Glendale Water Reclamation Plant) and the existing average daily flow for the

system is approximately 300 mgd. The HTP currently treats an average daily flow of approximately 275 mgd.[266] Thus, there is approximately 175 mgd available capacity.

The sewer infrastructure in the vicinity of the Project includes an existing 8-inch line on Sunset Boulevard.[267] The sewage from the existing 8-inch line feeds into a 12-inch line on Temple Street, which feeds into an 18-inch line on Fremont Avenue before discharging into a 36-inch sewer line on 2nd Street.[268]

As shown in **Table 5.19-1**, based on sewage generation factors established by City of Los Angeles Department of Public Works, Bureau of Sanitation (LASAN), the Project would generate an increase of approximately 42,159 gpd of wastewater, or approximately 0.042 million gallons per day (mgd). The Project's average daily wastewater flow of 0.042 mgd would represent substantially less than one percent of the available capacity of the Hyperion Service Area.

During the Project's permitting process, further detailed gauging and evaluation, as required by LAMC Section 64.14, would be conducted to obtain final approval of sewer capacity and connection permit for the Project. Therefore, the Project would not cause a measurable increase in wastewater flows at a point where, and at a time when, a sewer's capacity is already constrained or that would cause a sewer's capacity to become constrained. As such, operations-related wastewater infrastructure impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative impact analysis on the wastewater conveyance system is the area that includes the Project Site and the Related Projects and other nearby development projects that would potentially utilize the same infrastructure as the Project. Under the rules and regulations established in the City's Sewer Allocation Ordinance (Ordinance No. 166,060), LASAN assesses the anticipated wastewater flows from development projects at the time of connection and makes the appropriate decisions on how best to connect to the local sewer lines at the time of construction.

In addition, new development projects would also be subject to LAMC Section 64.11 and Section 64.12, which require approval of a sewer permit prior to connection to the sewer system. In order to connect to the sewer system, Related Projects in the City of Los Angeles would also be subject to payment of the City's Sewerage Facilities Charge. Payment of such fees would help to offset the costs associated with infrastructure improvements that would be needed to accommodate wastewater generated by overall future growth. If it is determined that the sewer system in the local area has insufficient capacity to serve a particular development, the developer of that project would be required to replace or build new sewer lines to a point in the sewer system with sufficient capacity to accommodate that project's increased flows. Each project would be evaluated on a case-by-case basis and would be required to consult with LASAN and comply with all applicable City and State water conservation programs and sewer allocation ordinances.

266 https://www.lacitysan.org/san/faces/wcnavexternalId/s-lsh-wwd-cw-p-hwrp?adf.ctrl state=e9g2enwiy5&afrLoop=2223629005130851#!

267 NavigateLA with Sewer layer: http://navigatela.lacity.org/index01.cfm.

268 Wastewater Response, Los Angeles Bureau of Sanitation, October 17, 2023.

Therefore, the cumulative impact related to the construction or expansion of wastewater infrastructure would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

Stormwater

Construction

As discussed under Checklist Section 10, Hydrology and Water Quality, the Project would implement BMPs designed to contain stormwater or construction watering on the Project site such that runoff does not impact off-site drainage facilities or receiving waters. Therefore, there would be no incremental increase in runoff volumes during construction of the Project. Additionally, through compliance with applicable City grading permit regulations, construction activities for the Project would not substantially alter the Project Site drainage patterns in a manner that would result in flooding on- or off-site. As such, Project construction would not create runoff that would exceed the capacity of existing or planned drainage systems and no new or relocated stormwater facilities would be required during construction. Accordingly, impacts would be less than significant.

Operation

With regard to stormwater drainage, as discussed above in Checklist Section 10, Hydrology and Water Quality, at buildout of the Project, the Project Site would be comprised of approximately 65-percent impervious areas. In addition, BMPs would be implemented to control runoff. As the Project Site currently does not have BMPs for the management of pollutants or runoff, the Project BMPs would control stormwater runoff and ultimately result in a minor decrease in runoff compared to existing conditions. Consequently, the Project would decrease the amount of stormwater runoff discharging into the existing storm drainage infrastructure. Accordingly, impacts would be less than significant.

As such, based on the above, construction and operation of the Project would not create runoff that would exceed the capacity of existing or planned drainage systems, and impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. Stormwater from each of the nine Related Projects and other nearby development projects would be collected on each of the respective sites, retained and treated in compliance with Article 4.4 of Chapter VI of the LAMC, and directed towards existing storm drains. As a result of the requirements under Article 4.4 of Chapter VI of the LAMC, the amount of peak stormwater flows from new development would decrease as compared to older sites that were improved prior to the requirement to retain the first 0.75 inch of rainfall during storm events or the rainfall from an 85th percentile 24-hour runoff event, whichever is greater. Therefore, the cumulative impact related to the construction or expansion of stormwater infrastructure would be less than significant and the Project's contribution to cumulative stormwater impacts would not be cumulatively considerable.

Electrical Power

Construction

The existing power service in the vicinity of the Project Site is supplied by LADWP. Construction activities on the Project Site would require electrical power to convey water for dust control and for lighting, power tools and equipment, and construction trailers. Overall, demolition and construction activities would require minimal electrical consumption. As described below, LADWP's existing electrical infrastructure currently has enough capacity to provide service for the Project, and since the demand for electricity during construction would be minimal, there is also enough capacity to provide service for construction activities. The demand would be supplied from existing electrical services within the Project Site and would not affect other services. Thus, construction activities would not be expected to have any adverse impact on available electricity supplies.

The Project would require construction of new electrical mains to serve the new buildings and facilities. Construction impacts associated with electrical infrastructure upgrades would primarily be confined to trenching. Installation of electrical infrastructure would be limited to on-site electrical distribution, and minor off-site work associated with connections to the public main. Although no upgrades to the public main are anticipated, minor off-site work is required to connect to the public main. Infrastructure improvements would comply with all applicable requirements and regulations set forth by LADWP, which would ensure that service disruptions and potential impacts are minimized. In addition, a Construction Traffic Management Plan would be implemented to reduce any temporary pedestrian and traffic impacts during construction, including maintaining lanes of travel and ensuring safe pedestrian access and adequate emergency vehicle access (see **Project Design Feature PDF-TRAN-1** under Checklist Section 17, Transportation, of this SCEA). Therefore, construction of the Project would not result in significant impacts related to electrical power.

Operation

Operation of the Project would require electricity for the residential and commercial uses on site. As shown in **Table 5.6-2**, the Project's demand for electricity would be approximately 1,941,475 kWh per year, which is less than 0.01 percent of LADWP's projected sales in 2027–2028 fiscal year.[269] Furthermore, the Project would implement any necessary new lines, connections, and upgrades required by LADWP to ensure that LADWP would be able to adequately serve the Project. Therefore, operation of the Project would not result in significant impacts related to electrical power.

Overall, based on the above, construction and operation of the Project would not result in an increase in demand for electricity that exceeds available supply or distribution infrastructure capabilities and would not result in the construction of new electricity facilities or the relocation or expansion of existing facilities, the construction, relocation, or expansion of which could cause significant environmental effects. Thus, impacts would be less than significant.

269 LADWP, 2017 Power Strategic Long-Term Resources Plan, December 2017, Appendix A, Table A-1.

Cumulative Impacts

Less Than Significant Impact. The geographic context for a cumulative analysis regarding electricity is LADWP's service area. Implementation of the Project, in conjunction with the Related Projects, would cumulatively increase demand for electricity supplies and infrastructure capacity. The Project would account for less than 0.01 percent of LADWP's projected sales for the Project's build-out year. Although future development would result in the irreversible use of renewable and nonrenewable electricity resources during project construction and operation, which could limit future availability, the use of such resources would be on a relatively small scale and would be consistent with growth expectations for LADWP's service area. Furthermore, like the Project, during construction and operation, other future development projects would be expected to incorporate energy conservation features, comply with applicable regulations including CALGreen and State energy standards under Title 24, and incorporate mitigation measures, as necessary. Accordingly, the Project's contribution to cumulative impacts related to electricity consumption would not be cumulatively considerable and, thus, would be less than significant.

Electricity infrastructure is typically expanded in response to increasing demand, and system expansion and improvements by LADWP are ongoing. As described in LADWP's 2017 Power Strategic Long-Term Resources Plan, LADWP would continue to expand delivery capacity as needed to meet demand increases within its service area at the lowest cost and risk consistent with LADWP's environmental priorities and reliability standards. LADWP has indicated that the Power Strategic Long-Term Resources Plan incorporates the estimated electricity requirement for the Project. The Power Strategic Long-Term Resources Plan takes into account future energy demand, advances in renewable energy resources and technology, energy efficiency, conservation, and forecast changes in regulatory requirements. Development projects within the LADWP service area would also be anticipated to incorporate site-specific infrastructure improvements, as necessary.

Each of the Related Projects would be reviewed by LADWP to identify necessary power facilities and service connections to meet the needs of their respective projects. Project applicants would be required to provide for the needs of their individual projects, thereby contributing to the electrical infrastructure in the Project area. As such, the Project's contribution to cumulative impacts with respect to electricity infrastructure would not be cumulatively considerable, and cumulative impacts would be less than significant.

Natural Gas

Construction

Construction activities, including the construction of the new buildings and associated facilities, typically do not involve the consumption of natural gas. Accordingly, no demand for natural gas would be generated by construction. However, the Project would require construction of new natural gas mains to serve the new buildings and associated facilities. Construction impacts associated with natural gas infrastructure would primarily be confined to trenching for miscellaneous utility lines and connections to public infrastructure. Although no upgrades to the public infrastructure are anticipated, minor off-site work may be required to connect to the public infrastructure.

Therefore, as part of the Project, a Construction Traffic Management Plan would be implemented to reduce any temporary pedestrian and traffic impacts during construction, including maintaining lanes of travel and ensuring safe pedestrian access and adequate emergency vehicle access (see **Project Design Feature PDF-TRAN-1** under Checklist Section 17, Transportation, of this SCEA). Installation of any required natural gas infrastructure are of a relatively short-term duration (i.e., months), would be similar to the activities as analyzed in this SCEA, and would cease to occur once the installation is complete. Therefore, construction of the Project would not result in significant impacts related to natural gas.

Operation

As a public utility, the SoCal Gas is under jurisdiction of the California Public Utilities Commission (CPUC). Title 24 of the California Code of Regulations regulates energy consumption in new constructions. The standards regulate energy consumed in buildings for heating, cooling, ventilation and lighting. Title 24 is implemented through the local plan check and permit process. SoCal Gas' 2022 Gas Report states that residential gas demand is expected to decrease at an annual average rate of 1.7 percent whereas commercial and industrial demand is expected to increase at an annual rate of 1.5 and 0.2 percent. This is mainly due to increased efficiency of power plants and the statewide efforts to use renewable sources of energy for electricity generation.

As shown in **Table 5.6-2**, the Project's demand for natural gas would be 853,649 cf per year. As such, the Project would be consistent with the forecasted 2027 consumption in SoCal Gas's planning area.

Overall, based on the above, construction and operation of the Project would not result in an increase in demand for natural gas that would exceed available supply or distribution infrastructure capabilities and would not result in the construction of new natural gas facilities or the relocation or expansion of existing facilities, the construction, relocation, or expansion of which could cause significant environmental effects. Impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative analysis of natural gas is SoCal Gas' service area. Buildout of the Project and Related Projects in SoCal Gas' service area is expected to increase natural gas consumption during project construction and operation and, thus, cumulatively increase the need for natural gas supplies and infrastructure capacity. Based on the 2022 California Gas Report, the California Energy Commission estimates natural gas consumption within SoCal Gas' planning area will be approximately 2.23 billion cf per day in 2027. The Project would be consistent with the forecasted consumption in SoCal Gas's planning area. SoCal Gas' forecasts consider projected population growth and development based on local and regional plans. Although future development projects would result in the irreversible use of natural gas resources which could limit future availability, the use of such resources would be on a relatively small scale and would be consistent with regional and local growth expectations for SoCal Gas' service area. Furthermore, like the Project, during project construction and operation other future development projects would be expected to incorporate energy conservation, comply with applicable regulations including CALGreen and State energy standards under Title 24, and incorporate mitigation measures, as necessary.

Natural gas infrastructure is typically expanded in response to increasing demand, and system expansion and improvements by SoCal Gas occur as needed. It is expected that SoCal Gas would continue to expand delivery capacity if necessary to meet demand increases within its service area. Development projects within its service area would also be anticipated to incorporate site-specific infrastructure improvements, as appropriate. As such, cumulative impacts with respect to natural gas infrastructure would not be cumulatively considerable and, thus, cumulative impacts would be less than significant.

Telecommunications

Less Than Significant Impact. With regard to telecommunication facilities, the Project would require construction of new or extension of existing on-site telecommunications infrastructure to serve the proposed residential and commercial uses. Construction impacts associated with the installation of telecommunications infrastructure would primarily involve trenching in order to place the lines below surface. When considering impacts resulting from the installation of any required telecommunications infrastructure, all impacts are of a relatively short duration and would cease to occur when installation is complete. Installation of new telecommunications infrastructure would be limited to on-site telecommunications distribution and minor off-site work associated with connections to the public system. No upgrades to off-site telecommunications systems are anticipated. Any work that may affect services to the existing telecommunications lines would be coordinated with service providers. Thus, impacts related to telecommunication facilities would be less than significant.

Cumulative Impacts

Less Than Significant Impact. Telecommunications are regulated by the Federal Communications Commission (FCC) and the California Public Utilities Commission (CPUC). Each of the Related Projects would be reviewed by the City to identify necessary new facilities and service connections to meet their respective needs. Thus, the Project's contribution to cumulative impacts with respect to telecommunications as well as infrastructure would not be cumulatively considerable and, thus, would result in a less than significant cumulative impact.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less Than Significant Impact. Development of the Project would result in an increase in long-term water demand for consumption, operational uses, maintenance, and other activities on the Project Site. LADWP provides water service to the Project Site. Water is supplied to the City from four primary sources: the Los Angeles Aqueducts, local groundwater, the Metropolitan Water District of Southern California (MWD), and recycled water. LADWP's 2020 Urban Water Management Plan provides water supply and demand projections in five-year increments to 2045, based on the demographic growth projections in SCAG's 2020–2045 RTP/SCS. The 2020 Urban Water Management Plan takes into account the realities of climate change and the concerns of drought and dry weather and notes that the City will meet all new demand for water due to projected population growth through a combination of water conservation and water recycling. Based on LADWP's 2020 Urban Water Management Plan water demand projections through 2040, projected water demand for the City would be met by the available supplies during an

average year, single-dry year, and multiple-dry year through the year 2045, as well as the intervening years (i.e., the Project buildout year of 2027).[270]

Based on the proposed land uses and the Project's resulting estimated water demand, the Project is not subject to the requirements of SB 610. As shown in **Table 5.19-1**, based on LASAN sewage generation factors, the Project would generate an increase in water demand of 42,159 gpd. This is a conservative calculation as it does not account for water conservation measures such as the mandatory indoor water reduction rates required by the City of Los Angeles Green Building Code. Based on LADWP's 2020 Urban Water Management Plan, projected water demand for the City would be met by the available supplies during an average year, single-dry year, and multiple-dry year through the year 2045. Therefore, the Project would not be anticipated to require new or expanded entitlements. As such, impacts associated with the availability of local or regional water supplies would be less than significant. Based on the above, LADWP would have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, single-dry, and multiple-dry years. Therefore, the impacts on water supply would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative analysis of water supply is the LADWP service area. LADWP, as a public water service provider, is required to prepare and periodically update its urban water management plan to plan and provide for water supplies to serve existing and projected demands. LADWP's 2020 UWMP accounts for existing development within the City, as well as projected growth through the year 2045.

Implementation of the Project in combination with the Related Projects, along with other projects within the service area of LADWP, would generate demand for additional water supplies. In terms of the City's overall water supply condition, the water demand for any project that is consistent with the City's General Plan has been taken into account in LADWP's 2020 UWMP. The 2020 UWMP anticipates that the future water supplies would be sufficient to meeting existing and planned growth in the City to the year 2045 (the planning horizon required of 2020 UWMPs) under wet and dry year scenarios. It is unknown whether or not the Related Projects or other developments in the LADWP service area have been taken into account in the 2020 UWMP. Nonetheless, it can be assumed that any development projects that are not included in the 2020 UWMP would be required to identify water supplies prior to project approval.

In addition, larger projects with over 500 residential units would have to prepare a WSA pursuant to SB 610 to be reviewed and certified by LADWP to demonstrate adequate water supply. Related Project No. 8 requires a WSA, which has been reviewed and approved by LADWP, demonstrating that project's lack of impacts to water supply. Therefore, cumulative impacts on water supply would be less than significant.

270 Metropolitan Water District of Southern California, 2020 Regional Urban Water Management Plan, June 2021.

c) Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact.

Construction Impacts

Construction activities for the Project would result in wastewater generation from construction workers on-site. However, wastewater generation during construction of the Project would be temporary and nominal when compared with the Project Site wastewater generation under existing conditions. Furthermore, construction workers would typically utilize portable restrooms and hand wash areas, which would not contribute to wastewater flows to the City's wastewater system. Thus, wastewater generation from Project construction activities would not cause a measurable increase in wastewater flows and impacts would be less than significant.

Operational Impacts

The Los Angeles sewer system is comprised of three systems: Hyperion Sanitary Sewer System, Terminal Island Water Reclamation Plant Sanitary Sewer System, and Regional Sanitary Sewer System. The Project Site lies within the Hyperion Sanitary Sewer System. The Project Site is within the Hyperion Service Area served by the Hyperion Sanitary Sewer System. LASAN is responsible for the operation of wastewater treatment facilities in the City.

Wastewater generated by the Project would be conveyed via the existing wastewater conveyance systems for treatment at the HTP. The existing design capacity of the Hyperion Service Area is approximately 550 million gallons per day (mgd) (consisting of 450 mgd at the HTP, 80 mgd at the Donald C. Tillman Water Reclamation Plant, and 20 mgd at the Los Angeles–Glendale Water Reclamation Plant) and the existing average daily flow for the system is approximately 300 mgd. The HTP currently treats an average daily flow of approximately 275 mgd.[271] Thus, there is approximately 175 mgd available capacity.

As shown in Error! Reference source not found., the Projects estimated wastewater generation is approximately 42,159 gpd, or 0.042 mgd. This is equal to less than one percent of the Hyperion Service Area capacity where the Project's wastewater would be treated. As such, the HTP has the capacity to treat the additional wastewater flows generated from the Project. Wastewater generated by the Project would be conveyed via the existing wastewater conveyance systems for treatment within the Hyperion Service Area. Therefore, the Project would not result in a determination by the wastewater treatment provider that serves the Project Site that it does not have adequate capacity to serve the Project.

Further detailed gauging and evaluation, as required by LAMC Section 64.14, would be conducted to obtain final approval of sewer capacity and connection permit for the Project during the Project's permitting process. In addition, Project-related sanitary sewer connections and on-site infrastructure would be designed and constructed in accordance with applicable LASAN and

271 https://www.lacitysan.org/san/faces/wcnavexternalId/s-lsh-wwd-cw-p-hwrp?adf.ctrl state=e9g2enwiy5&afrLoop=2223629005130851#!

California Plumbing Code standards. Therefore, the Project would not cause a measurable increase in wastewater flows at a point where, and at a time when, a sewer's capacity is already constrained or that would cause a sewer's capacity to become constrained.

Based on the above, the Project would not require or result in the relocation or construction of new or expanded wastewater treatment facilities, the construction or relocation of which could cause significant environmental effects. Thus, impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. The geographic context for the cumulative impact analysis on wastewater treatment facilities is the Hyperion Service Area. Implementation of the Project in combination with the nine Related Projects and other projects within the service area of the HTP would generate additional wastewater that would be treated at HTP. The HTP has a capacity of approximately 550 mgd, and currently, the remaining available capacity at the HTP is approximately 250 mgd. The Project, which would generate much more wastewater than the Related Projects due to its size and land uses, would increase sewer demand by less than one percent of the Hyperion Service Area capacity. Thus, it can be assumed that the Related Projects would generate even less sewer demand. Furthermore, the Related Projects would have to demonstrate that the existing capacity of the sewer system would be able to accommodate the additional wastewater infrastructure demand created by the project. In addition, pursuant to LAMC Section 64.14, Related Projects would be required to obtain final approval of sewer capacity and connection permits during the Project's permitting process. Therefore, the HTP would have adequate capacity to serve the additional wastewater demand by the Project and future development projects within the HTP service area and no significant cumulative impacts would occur.

d) Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less Than Significant Impact. While the LASAN generally provides waste collection services to single-family and some small multi-family developments, private haulers permitted by the City provide waste collection services for most multi-family residential, commercial and institutional developments within the City. Solid waste transported by both public and private haulers is either recycled, reused, or transformed at a waste-to-energy facility, or disposed of at a landfill.

County landfills are categorized as either Class III or unclassified landfills. Non-hazardous municipal solid waste is disposed of in Class III landfills, while inert waste such as construction waste, yard trimmings, and earth-like waste are disposed of in unclassified landfills.[272] Ten Class III landfills and one unclassified landfill with solid waste facility permits are currently operating within the County.[273]

[272] Inert waste is waste which is neither chemically or biologically reactive and will not decompose. Examples of this are sand and concrete.

[273] County of Los Angeles, Department of Public Works; Los Angeles County Integrated Waste Management Plan 2021 Annual Report, December 2022, Appendix E-2 Table 4: https://dpw.lacounty.gov/epd/swims/ShowDoc.aspx?id=17389&hp=yes&type=PDF, accessed October 4, 2023.

Based on the information provided in the 2021 Countywide Integrated Waste Management Plan Annual Report, the remaining disposal capacity for the County's Class III landfills is estimated at approximately 137.09 million tons.[274] In 2021, the total amount of solid waste disposed of at in-county Class III landfills, transformation facilities, and out-of-County landfills was approximately 11.1 million tons and 402,989 tons of inert waste at the County's inert landfill.[275]

Of the remaining Class III landfill capacity in the County, approximately 71.3 million tons are available to the City (Antelope Valley, Lancaster, Sunshine Canyon).[276] The 2021 Annual Report indicates that the countywide cumulative need for Class III landfill disposal capacity, approximately 148.14 million tons in 2033, would exceed the 2021 remaining permitted Class III landfill capacity of 137.09 million tons.

As is the case with solid waste haulers, landfills operate in a free-enterprise system. Their operating funds and profits are obtained by collecting disposal fees from the haulers on a per ton basis. Landfill capacity is regulated primarily through the amount of solid waste that each particular facility is permitted to collect on a daily basis relative to its capacity.

Wasteshed boundaries, geographic barriers, weather, and natural disasters could place further constraints on accessibility of Class III landfill capacity. Therefore, the Annual Report evaluated seven scenarios to increase capacity and determined that the County would be able to meet the disposal needs of all jurisdictions through the 15-year planning period with six of the seven scenarios. The Annual Report also concluded that in order to maintain adequate disposal capacity, individual jurisdictions must continue to pursue strategies to maximize waste reduction and recycling, expand existing landfills, promote and develop alternative technologies, expand transfer and processing infrastructure, and use out of county disposal, including waste by rail.

The County's unclassified landfill generally does not currently face capacity issues. The remaining disposal capacity for Azusa Land Reclamation is estimated at approximately 50.77 million tons. In 2021, approximately 0.403 million tons of inert waste (e.g., soil, concrete, asphalt, and other construction and demolition debris) were disposed of at this unclassified landfill. Given the remaining permitted capacity, this capacity would be exhausted in 24 years.[277] Thus, the unclassified landfill serving the County has adequate long-term capacity.

While the City's Bureau of Sanitation (BOS) generally provides waste collection services to single-family and some small multi-family developments, private haulers permitted by the City provide

274 County of Los Angeles, Department of Public Works; Los Angeles County Integrated Waste Management Plan 2021 Annual Report, December 2022, Appendix E-2 Table 4: https://dpw.lacounty.gov/epd/swims/ShowDoc.aspx?id=17389&hp=yes&type=PDF, accessed October 4, 2023.

275 County of Los Angeles, Department of Public Works; Los Angeles County Integrated Waste Management Plan 2021 Annual Report, December 2022, Appendix E-2 Table 4: https://dpw.lacounty.gov/epd/swims/ShowDoc.aspx?id=17389&hp=yes&type=PDF, accessed October 4, 2023.

276 Total excludes Class III landfills not open to the City of Los Angeles for disposal (i.e., Scholl Canyon, Whittier, Burbank, Pebbly Beach, and San Clemente). In addition, total excludes the Calabasas Landfill, as its wasteshed does not include the Project Site. The Chiquita Canyon Landfill Expansion permits the facility to operate until it reaches 60 million tons, or after 30 years, whichever comes first. However, since the current volume of the facility's wasteshed is unknown, the volume of waste that it would take to reach 60 million tons cannot be determined. As such, for a conservative analysis, the Chiquita Canyon Landfill Expansion is excluded from the total.

277 County of Los Angeles, Department of Public Works; Los Angeles County Integrated Waste Management Plan 2021 Annual Report, December 2022, Appendix E-2 Table 4: https://dpw.lacounty.gov/epd/swims/ShowDoc.aspx?id=17389&hp=yes&type=PDF, accessed October 4, 2023.

waste collection services for most multi-family residential and commercial developments within the City. Solid waste transported by both public and private haulers is either recycled, reused, or transformed at a waste-to-energy facility, or disposed of at a landfill.

In 2018, the City disposed of approximately 3.3 million tons of solid waste at the County's Class III landfills, approximately 1,968 tons at transformation facilities, and 214 million tons at the inert landfill.[278] The 3.3 million tons of solid waste accounts for approximately 4.6 percent of the total remaining capacity (71.3 million tons) for the County's Class III landfills open to the City.[279]

The landfills that serve the City and the capacity of these landfills are shown on **Table 5.19-2**. As shown, the landfills have an approximate available daily intake of 11,839 tons.

Table 5.19-2
Landfill Capacity

Landfill Facility	2021 Average Daily Disposal (tons/day)	Maximum Daily Disposal (tons/day)	Remaining Daily Capacity (tons/day)	Remaining Capacity (million tons)	Remaining Life (years)
Class III Landfills (Open to the City)					
Antelope Valley	2,645	5,548	2,903	9.24	8
Lancaster	397	5,100	4,703	9.84	20
Sunshine Canyon	7,830	12,100	4,270	52.22	16
Total	**10,872**	**22,748**	**11,876**	**71.3**	
Inert Landfill (Open to the City)					
Azusa	1,292	8,000	6,708	50.77	24
County of Los Angeles, Department of Public Works; Los Angeles County Integrated Waste Management Plan 2021 Annual Report, December 2022, Appendix E-2 Table 4: https://dpw.lacounty.gov/epd/swims/ShowDoc.aspx?id=17389&hp=yes&type=PDF, accessed October 4, 2023.					

The following analysis quantifies the Project's construction and operation solid waste generation.

Construction

As shown in **Table 5.19-3**, the Project would result in approximately 931 tons of construction and demolition waste, not accounting for any mandatory recycling.

Table 5.19-3
Project Demolition and Construction Waste Generation

Building	Size	Rate	Total (tons)
Demolition Waste			
Residential	0 sf	127 pounds / sf	0
Non-residential	0 sf	158 pounds / sf	0
Asphalt	6,000 sf	75 pounds / sf	225
		Demolition Total	**225**
Construction Waste			

278 These numbers represent waste disposal, not generation, and thus do not reflect the amount of solid waste that was diverted via source reduction and recycling programs within the City

279 3.3 million tons ÷ 74.13 million tons x 100% = 4.4%.

Table 5.19-3
Project Demolition and Construction Waste Generation

Building	Size	Rate	Total (tons)
Residential	311,838 sf	4.39 pounds / sf	685
Non-residential	9,462	4.34 pounds / sf	21
		Construction Total	**706**
		Total	**931**

Over the entire total schedule of construction. Numbers have been rounded.
sf = square feet, 1 ton = 2,000 lbs
U.S. Environmental Protection Agency, Report No. EPA530-R-09-002, Estimating 2003 Demolition and Materials Amounts, March 2009, Table 2-1, Table 2-2, Table 2-3, Table 2-4:
https://www.epa.gov/smm/estimating-2003-building-related-construction-and-demolition-materials-amounts
1 cubic foot of asphalt weighs 150 pounds. The asphalt at the site is assumed to be 6 inches thick.
Table: CAJA Environmental Services, October 2023.

Pursuant to the requirements of Senate Bill 1374[280], the Project would implement a construction waste management plan to recycle and/or salvage a minimum of 75 percent of non-hazardous demolition and construction debris. Materials that could be recycled or salvaged include asphalt, glass, and concrete. Debris not recycled could be accepted at the unclassified landfill (Azusa Land Reclamation) within Los Angeles County and within the Class III landfills open to the City.

In addition, pursuant to LAMC Sections 66.32 through 66.32.5 (Ordinance No. 181,519), the Project's construction contractor would be required to deliver all remaining construction and demolition waste generated by the Project to a certified construction and demolition waste processing facility. As discussed above, non-hazardous municipal solid waste is disposed of in Class III landfills, while inert waste, such as construction waste, yard trimmings, and earthlike waste, is disposed of in inert waste landfills. Thus, although the total diversion rate may ultimately exceed 75 percent, this analysis conservatively assumes a diversion rate of 75 percent.

Pursuant to the requirements of SB 1374,[281] the Project would implement a construction waste management plan to recycle and/or salvage a minimum of 75 percent of its nonhazardous demolition and construction debris.

After accounting for mandatory recycling, the Project would result in approximately 233 tons of construction-related waste in the County's permitted inert landfill (i.e., Azusa Land Reclamation Landfill) throughout the construction period. This amount of construction and debris waste would represent approximately 0.001 percent of the Azusa Land Reclamation Landfill's existing remaining disposal capacity of 50.77 million tons.[282]

Given the remaining permitted capacity the Azusa Land Reclamation facility, as well as the remaining capacity at the Class III landfills open to the City, the landfills serving the Project Site

280 https://www.calrecycle.ca.gov/lgcentral/library/canddmodel/instruction/sb1374

281 Senate Bill 1374 requires that jurisdictions include in their annual AB 939 report a summary of the progress made in diverting construction and demolition waste. The legislation also required that CalRecycle adopt a model ordinance for diverting 50 to 75 percent of all construction and demolition waste from landfills.

282 (233 tons ÷ 50,77 million tons) * 100 = 0.001 percent.

would have sufficient capacity to accommodate the Project's construction solid waste disposal needs.

It should be noted that soil export is not included in the calculation of construction waste since soil is not disposed of as waste but, rather, is typically used as a cover material or fill at other construction sites requiring soils import. As reported above, the Azusa Land Reclamation landfill, the County's inert waste landfill, would be able to accommodate waste from the Project's construction activities.

Based on the above, Project construction would not generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals and strategies identified in the CoIWMP or by the City (refer to Response to Question No. 19(e) regarding consistency with City solid waste planning goals). Therefore, the Project's potential construction-related impacts on solid waste facilities would be less than significant, and no mitigation measures would be required.

Operation

As shown on **Table 5.19-4**, the Project would generate a net total of approximately 199 tons per year of solid waste. While this estimate accounts for recycling and other waste diversion measures consistent with the Citywide diversion rate of 76.4 percent, it does not include implementation of the City's Zero Waste Plan, which is expected to result in a reduction of landfill disposal Citywide with a goal of reaching a Citywide recycling rate of 90 percent by the year 2025.[283]

Table 5.19-4
Estimated Solid Waste Generation

Land Use	Size	Rates	Total (Tons per year)
Proposed Project			
Residential	327 units	2.23 tons / unit	730
Commercial	9,462 sf (38 employees)	2.98 tons / employee	113
		Proposed Total	**843**
		Total Net Disposal (after 76.4% diversion)	**199**

Note: 1 ton = 2,000 pounds.
Los Angeles Unified School District, 2022 Developer Fee Justification Study, March 2022, Table 14.
Residential solid waste factor (City of Los Angeles CEQA Thresholds Guide, 2006, page M.3-2) is based on a rate of 12.23 pounds per household per day (or 2.23 tons per household per year).
Non-residential yearly solid waste generation factors from City of Los Angeles Bureau of Sanitation, City Waste Characterization and Quantification Study, Table 4, July 2002.
https://www2.calrecycle.ca.gov/WasteCharacterization/General/Rates
Table: CAJA Environmental Services, October 2023.

283 City of Los Angeles, Solid Waste Integrated Resource Plan FAQ; www.lacitysan.org/san/faces/home/portal/s-lsh-wwd/s-lsh-wwd-s/s-lsh-wwd-s-zwswirp?_adf.ctrl-state=102i43tjdg_1&_afrLoop=15884281038430535&_afrWindowMode=0&_afrWindowId=null#!%40%40%3F_afrWindowId%3Dnull%26_afrLoop%3D15884281038430535%26_afrWindowMode%3D0%26_adf.ctrl-state%3D102i43tjdg_5, accessed October 5, 2023.

Likewise, the analysis does not include implementation of the City's Zero Waste Plan, which is expected to result in a reduction of landfill disposal Citywide with a goal of reaching a Citywide recycling rate of 90 percent by the year 2025, 95% by 2035, and zero waste by 2030.[284]

The estimated annual net increase in solid waste that would be generated by the Project represents approximately 0.0002 percent of the remaining capacity for the County's Class III landfills open to the City of Los Angeles.[285]

Based on the above, the landfills that serve the Project Site have sufficient permitted capacity to accommodate the solid waste generated by the construction and operation of the Project. Therefore, no Project impacts related to solid waste would occur and the Project would adequately be served by existing facilities.

The Project's estimated annual net increase of 199 tons represents approximately 0.0002 percent of the remaining capacity (71.3 million tons) for the County's Class III landfills open to the City.[286] The Project's estimated solid waste generation would therefore represent a nominal percentage of the remaining daily disposal capacity of those landfills. As such, Project operation would not generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals or strategies identified in the CoIWMP or by the City (refer to Response to Question No. 19(e) regarding consistency with City solid waste planning goals). Therefore, the Project's potential construction impacts to solid waste facilities would be less than significant, and no mitigation measures would be required.

Furthermore, as described in the 2022 Annual Report, the County will continue to address landfill capacity through the preparation of CoIWMP annual reports. The preparation of each annual report provides sufficient lead time (15 years) to address potential future shortfalls in landfill capacity. Solid waste disposal is an essential public service that must be provided without interruption in order to protect public health and safety, as well as the environment. Jurisdictions in the County of Los Angeles continue to implement and enhance the waste reduction, recycling, special waste, and public education programs identified in their respective planning directives. These efforts, together with countywide and regional programs implemented by the County and the cities, acting in concert or independently, have achieved significant, measurable results, as documented in the 2022 Annual Report.

Overall, based on the above, construction and operation of the Project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Thus, impacts would be less than significant.

284 The recycLA program divides the City into 11 zones and designates a waste collection company for each zone. Source: LA Sanitation, recycLA, Your Plan, and City of Los Angeles, L.A.'s Green New Deal, Sustainable City pLAn 2019. https://plan.lamayor.org/sites/default/files/pLAn_2019_final.pdf, accessed October 5, 2023.

285 (216 tons per year / 71.3 million tons per year) x 100 = ~0.0002%

286 199 tons per year/ 71.3 million tons x 100 = 0.0002 percent

Cumulative Impacts

Less Than Significant Impact. Given the level of urbanization present throughout the Project vicinity, it is anticipated that other projects would similarly represent a minor percentage of the remaining capacity of the County's Class III landfills open to the City. The demand for landfill capacity is continually evaluated by the County through preparation of the CoIWMP annual reports. Each annual CoIWMP report assesses future landfill disposal needs over a 15-year planning horizon. Based on the 2022 CoIWMP, the County anticipates that future disposal needs can be adequately met for the next 15 years (i.e., 2035) with implementation of strategies to maximize waste reduction and recycling, expand existing landfills, promote and develop alternative technologies, expand transfer and processing infrastructure, and use out of county disposal, including waste by rail. The preparation of each annual CoIWMP provides sufficient lead time (15 years) to address potential future shortfalls in landfill capacity.

As such, the Project's contribution during operation would not be cumulatively considerable, and cumulative impacts with regard to solid waste disposal capacity from operations would be less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less Than Significant Impact. Solid waste management in the State is primarily guided by the California Integrated Waste Management Act of 1989 (AB 939), which emphasizes resource conservation through reduction, recycling, and reuse of solid waste. AB 939 establishes an integrated waste management hierarchy consisting of (in order of priority): (1) source reduction; (2) recycling and composting; and (3) environmentally safe transformation and land disposal. In addition, AB 1327 provided for the development of the California Solid Waste Reuse and Recycling Access Act of 1991, which requires the adoption of an ordinance by any local agency governing the provision of adequate areas for the collection and loading of recyclable materials in development projects.

Furthermore, AB 341, which became effective on July 1, 2012, requires businesses and public entities that generate 4 cubic yards or more of waste per week and multi-family dwellings with five or more units, to recycle. The purpose of AB 341 is to reduce GHG emissions by diverting commercial solid waste from landfills and expand opportunities for recycling in California. In addition, in March 2006, the Los Angeles City Council adopted RENEW LA, a 20-year plan with the primary goal of shifting from waste disposal to resource recovery within the City, resulting in "zero waste" by 2030. The plan also calls for reductions in the quantity and environmental impacts of residue material disposed in landfills. In October 2014, Governor Jerry Brown signed AB 1826, requiring businesses to recycle their organic waste[287] on and after April 1, 2016, depending on the amount of waste generated per week. Specifically, beginning April 1, 2016, businesses that generate eight cubic yards of organic waste per week were required to arrange for organic waste recycling services. In addition, beginning January 1, 2017, businesses that generate four cubic yards of organic waste per week were required to arrange for organic waste recycling services.

287 Organic waste refers to food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste.

The Project would be consistent with the applicable regulations associated with solid waste. Specifically, the Project would provide adequate storage areas in accordance with the City of Los Angeles Space Allocation Ordinance (Ordinance No. 171,687), which requires that development projects include an on-site recycling area or room of specified size.[288] The Project would also comply with AB 939, AB 341, AB 1826 and City waste diversion goals, as applicable, by providing clearly marked, source-sorted receptacles to facilitate recycling. Additionally, the Project's construction contractor would deliver all construction and demolition waste generated by the Project to a Certified Construction and Demolition Waste Processing Facility in accordance with City Ordinance No. 181,519. Furthermore, the Project would implement a construction waste management plan to divert a minimum of 75 percent waste from landfills, thus exceeding state requirements. As such, the Project would promote source reduction and recycling, consistent with AB 939 and the City's Solid Waste Integrated Resources Plan, Source Reduction and Recycling Element, Solid Waste Management Policy Plan, General Plan Framework Element, RENEW LA Plan, Green LA Plan, and Sustainable City pLAn/L.A.'s Green New Deal.

Overall, the Project would comply with federal, state, and local management and reduction statutes and regulations related to solid waste. Thus, impacts would be less than significant.

Cumulative Impacts

Less Than Significant Impact. Like the Project, the Related Projects would be required to comply with applicable regulations related to solid waste, including those pertaining to waste reduction and recycling. Detailed components regarding waste reduction and recycling would be finalized for each Related Project on a project-by-project basis at the time of plan submittal to the City for the necessary building permits and reviews conducted pursuant to the City's Green Building Code, as applicable. Specifically, the Project and Related Projects would be required to promote source reduction and recycling, consistent with AB 939 and the City's Solid Waste Integrated Resources Plan, General Plan Framework Element, RENEW LA Plan, Green LA Plan, and Sustainable City pLAn/L.A.'s Green New Deal.

Therefore, construction and operation of the Project and the Related Projects would comply with applicable state or City solid waste regulations and would not result in significant cumulative impacts. As such, the Project's contribution during construction would not be cumulatively considerable, and cumulative impacts would be less than significant.

288 Ordinance No. 171,687, adopted by the Los Angeles City Council on August 6, 1997.

1.20 Wildfire

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM WF-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to wildfire risk, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Launch fire prevention education for local cities and counties such that local fire agencies, homeowners, as well as commercial and industrial businesses are aware of potential sources of fire ignition and the related procedures to curb or lessen any activities that might initiate fire ignition.

b) Ensure structures in high fire risk areas are built to current state and federal standards which serve to greatly increase the chances the structure will survive a wildfire and also allow for people to shelter-in-place.

c) Improve road access for emergency response and evacuation so people can evacuate safely and timely when necessary.

d) Improve, and educate regarding, local emergency communications and notifications with residents and businesses.

e) Enforce defensible space regulations to keep overgrown and unmanaged vegetation, accumulations of trash and other flammable material away from structures.

f) Provide public education about wildfire risk and fire prevention measures, and safety procedures and practices to allow for safe evacuation and/or options to shelter-in-place

g) Include external sprinklers with an independent water source to reduce flammability of structures.

h) Include local solar power paired with batteries to reduce power flow in electricity lines.

i) For developments in high fire-prone areas, have a fire protection plan for residents and businesses.

j) Provide fire hazard and fire safety education for homeowners in or near fire hazard areas.

k) Developments in fire-prone areas should have fire-resistant feature, such as:

- Ember-resistant vents
- Fire-resistant roofs
- Surrounding defensible space
- Proper maintenance and upkeep of structures and surrounding area

Applicability to the Project

As described in the impact analysis below, the Project Site is not located in an area classified as a VHFHSZ. As such, the Project would not result in potential impacts pertaining to wildfire hazards, and the measures included in **PMM WF-1** are not applicable to the Project.

PMM WF-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to wildfire risk, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) New development or infrastructure activity within very high hazard severity zones or SRAs shall be required to:

- Submit a fire protection plan including the designation of fire watch staff;
- Maintain water and other fire suppression equipment designated solely for firefighting on site for any construction and maintenance activities;
- Locate construction and maintenance equipment in designated "safe areas" such that they do not discharge combustible materials; and
- Designate trained fire watch staff during project construction to reduce risk of fire hazards.

Applicability to the Project

As previously discussed, the Project Site is not located in an area classified as a VHFHSZ. Thus, **PMM WF-2** are not applicable to the Project.

Impact Analysis

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

c) Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact (a-d). The Project Site is located in an urbanized area, and there are no wildlands located in the vicinity of the Project Site. The Project is not located near state responsibility areas. The Project Site is not located within a City-designated VHFHSZ[289] or Wildfire Severity Zone.[290] Therefore, these thresholds would not apply to the Project. No impacts regarding wildfire risks would occur, and no mitigation measures are required.

289 City of Los Angeles Department of City Planning, Zone Information and Map Access System, Parcel Profile Report for APN 5406-016-028.

290 City of Los Angeles 2018 Local Hazard Mitigation Plan, January 2018, Figure 13-3, Wildfire Severity Zones in the East Los Angeles APC, p. 13-6. . https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-10/2018_LA_HMP_Final_with_maps_2018-02-09.pdf, accessed October 5, 2023.

Cumulative Impacts

Less Than Significant Impact. There are nine Related Projects within 0.5 mile of the Project Site. Similar to the Project, the Related Projects are located in highly urbanized areas and would not contain wildland features or be located adjacent to any wildland areas, except for Related Project No. 2, a medical facility located along Stadium Way in VHFHSZ. As with the Project, any related Projects would be subject to established guidelines and building code regulations and construction procedures pertaining to fire and seismic hazards, including those required of properties within the VHFHSZ (Related Project No. 2).

Nevertheless, similar to the Project, all Related Projects would be subject to review by the LAFD for compliance with Fire Code and Building Code regulations related to emergency response, emergency access, and fire safety. As such, the Project's contribution to cumulative impacts would not be cumulatively considerable and impacts would be less than significant.

1.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒	☐
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant with Mitigation Incorporated. Based on the analyses contained under Checklist Section 1 through Checklist Section 20 above, with adherence to regulatory compliance measures and implementation of project design features and mitigation measures, the Project would not have the potential to degrade the quality of the environment and would not result in any significant unavoidable impacts to the environment.

The Project Site is located within an urbanized area and is currently vacant. There is no Habitat Conservation Plan, Natural Community Conservation Plan, or other approved habitat conservation plan that applies to the Project.

The Project Site does include ornamental trees and weeds that could support nests for migratory birds or other habitat for urban species. In compliance with the Migratory Bird Treaty Act and the California Fish and Game Code, the Project would incorporate **Mitigation Measure MM-BIO-1** as well as RTP/SCS **Mitigation Measures PMM BIO-1(g)** and **PMM BIO-1(i)** from the 2020–

2045 RTP/SCS PEIR MMRP, which would ensure that the Project would not have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the CDFW or USFWS. Thus, the Project would not substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal. The Project would also implement **Project Design Feature PDF-BIO-1** to ensure potential construction-related impacts to the adjacent street trees would not occur.

The Project would not eliminate important examples of the major periods of California history or prehistory. As discussed under Checklist Section 5, Cultural Resources, Checklist Section 7, Geology and Soils, and Checklist Section 18, Tribal Cultural Resources, with implementation of the City's Conditions of Approval and **Mitigation Measure MM-TCR-1** regarding the potential inadvertent discovery of archaeological, paleontological, and tribal cultural resources, impacts to archeological resources, paleontological resources, and tribal cultural resources would be less than significant. Thus, overall, no evidence is presented that the Project would degrade the quality of the environment.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less Than Significant Impact. The cumulative analysis in this SCEA takes into consideration the nine Related Projects listed in **Table 5.21-1** and shown in **Figure 5.21-1**.

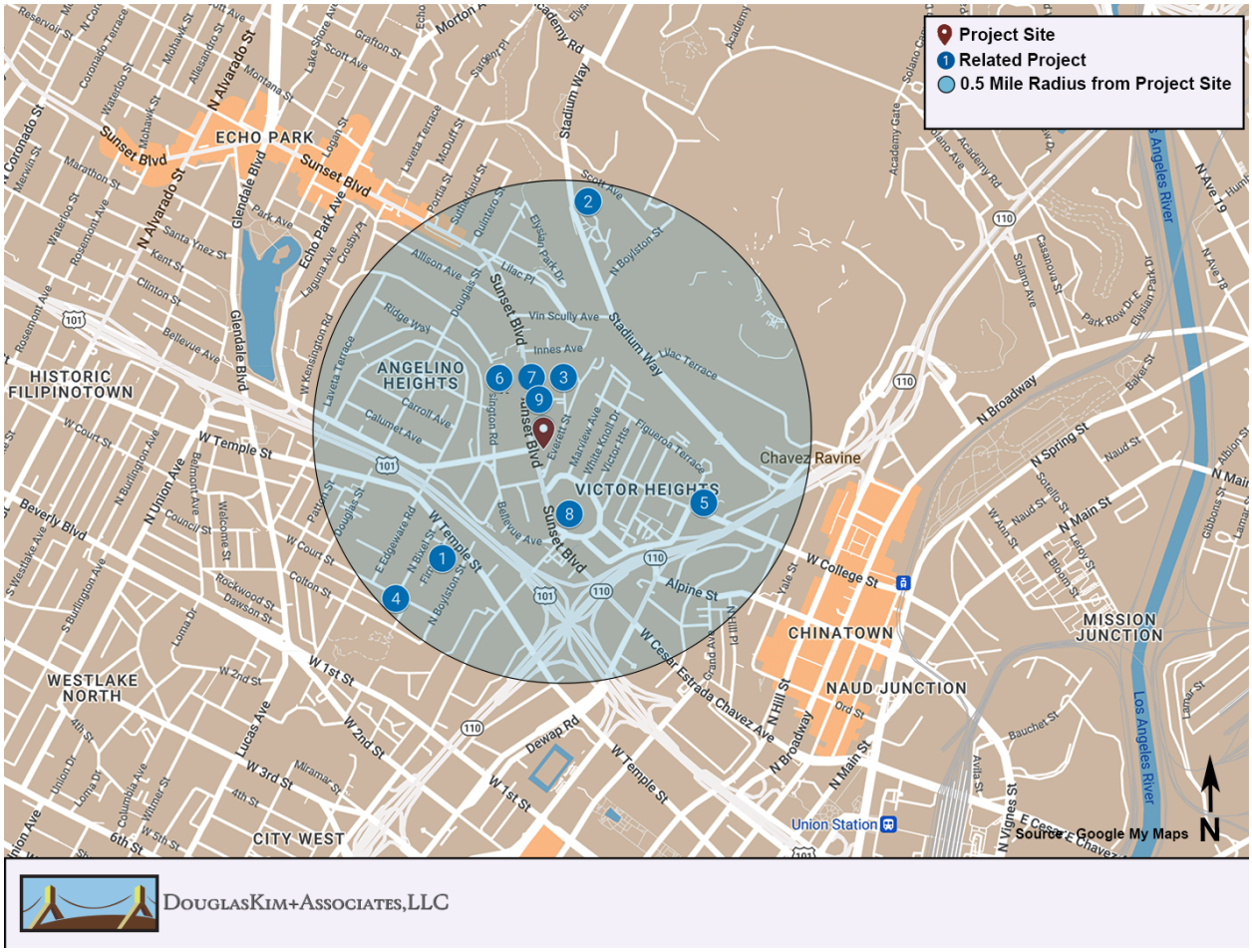
Table 5.21-1
Related Projects Within 0.5 Miles of Project Site

#	Address	Distance from Project Site	Use	Size	Status
1	418 Firmin Street	1,450 feet southwest	Apartments	64 units	Completed in 2022.
2	2000 Stadium Way	2,050 feet north	Medical	80,545 sf	To be constructed.
3	1013 Everett Street	150 feet north	Apartments	49 units	Framed as of 2023.
4	1246 Court Street	2,225 feet southwest	Apartments	54 units	Completed in 2021.
5	765 College Street	1,775 feet east	Medical	100,000 sf 62 beds	To be constructed.
6	1274 Sunset Blvd	240 feet northwest	Hotel Restaurant	8 rooms 1,470 sf	To be constructed.
7	1275 Sunset Blvd	260 feet north	Apartments	77 units	To be constructed.
8	1111 Sunset Blvd	275 feet south	Apartment Hotel Office Commercial	737 units 180 rooms 48,000 sf 95,000	To be constructed.
9	1251 Sunset Blvd	5 feet north	Apartment	74 units	To be constructed.

Table 5.21-1
Related Projects Within 0.5 Miles of Project Site

Source: Related Projects List, Related Projects Summary from Case Logging and Tracking System Los Angeles Department of Transportation, February 3, 2023 and internal team research. Transportation Assessment, Fehr & Peers, October 2023.

Figure 5-21-1
Location of Related Projects



The list of Related Projects is based on information provided by LADOT in February 2023, and other recent studies, and include developments within a 0.5-mile radius of the Project Site, as suggested in the Transportation Assessment Guidelines.[291] Although these Related Projects serve as the primary bases for evaluation of cumulative impacts, analyses may vary among certain environmental issues due to the unique characteristics and geographic context of certain impacts. A significant impact may occur if the Project, in conjunction with the nine Related Projects, would result in impacts that would be significant when viewed together, even if impacts would otherwise not be considered significant when projects are analyzed on an individual basis.

The cumulative analyses for each environmental issue addressed above area are contained under Checklist Section 1 through Checklist Section 20 following the assessments of Project

[291] LADOT, Transportation Assessment Guidelines, page 2-3.

impacts. Based on these analyses, cumulative impacts related to all of the above environmental factors would be less than significant and the Project's contribution to cumulative impacts would not be cumulatively considerable.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant with Mitigation Incorporated. Based on the analyses contained under Checklist Section 1 through Checklist Section 20 above, the Project could result in potentially significant impacts with regard to Biological Resources, Hazards and Hazardous Materials, Noise, and Tribal Cultural Resources. However, as outlined above, all of these potentially significant impacts would be reduced to less than significant levels. Therefore, the Project would not have significant environmental effects on human beings, either directly or indirectly.

Section 6

Mitigation Monitoring Program

1 Introduction

This Mitigation Monitoring Program (MMP) has been prepared pursuant to Public Resources Code Section 21081.6, which requires a Lead Agency to adopt a "reporting or monitoring program for changes to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment." In addition, Section 15097(a) of the State CEQA Guidelines requires that a public agency adopt a program for monitoring or reporting mitigation measures and project revisions, which it has required to mitigate or avoid significant environmental effects. This MMP has been prepared in compliance with the requirements of CEQA, Public Resources Code Section 21081.6 and Section 15097 of the State CEQA Guidelines.

The City of Los Angeles is the Lead Agency for the Project and therefore is responsible for administering and implementing the MMP. A public agency may delegate reporting or monitoring responsibilities to another public agency or to a private entity that accepts the delegation; however, until mitigation measures have been completed, the Lead Agency remains responsible for ensuring that implementation of the mitigation measures occurs in accordance with the program.

A SCEA has been prepared to address the potential environmental impacts of the Project. The evaluation of the Project's impacts in the SCEA takes into consideration the project design features (PDFs) and incorporates all feasible mitigation measures from all Program Environmental Impact Reports (PEIRs) applicable to the Project Site, and applies mitigation measures (MMs) needed to avoid or reduce potentially significant environmental impacts. This MMP is designed to monitor implementation of the PDFs and MMs identified for the Project.

2 Organization

As shown on the following pages, each identified project design feature and mitigation measure for the Project is listed and categorized by environmental impact area, with accompanying identification of the following:

- Enforcement Agency: the agency with the power to enforce the PDF or MM.
- Monitoring Agency: the agency to which reports involving feasibility, compliance, implementation, and development are made.
- Monitoring Phase: the phase of the Project during which the PDF or MM shall be monitored.
- Monitoring Frequency: the frequency at which the PDF or MM shall be monitored.
- Action Indicating Compliance: the action by which the Enforcement or Monitoring Agency indicates that compliance with the identified PDF or required MM has been implemented.

3 Administrative Procedures and Enforcement

This MMP shall be enforced throughout all phases of the Project. The Applicant shall be responsible for implementing each PDF and MM and shall be obligated to provide certification, as identified below, to the appropriate monitoring and enforcement agencies that each PDF and MM has been implemented. The Applicant shall maintain records demonstrating compliance with each PDF and MM. Such records shall be made available to the City upon request.

During the construction phase and prior to the issuance of building permits, the Applicant shall retain an independent Construction Monitor (either via the City or through a third-party consultant), approved by the Department of City Planning, who shall be responsible for monitoring implementation of PDFs and MMs during construction activities consistent with the monitoring phase and frequency set forth in this MMP.

The Construction Monitor shall also prepare documentation of the Applicant's compliance with the PDFs and MMs during construction every 90 days in a form satisfactory to the Department of City Planning. The documentation must be signed by the Applicant and Construction Monitor and be included as part of the Applicant's Compliance Report. The Construction Monitor shall be obligated to immediately report to the Enforcement Agency any non-compliance with the MMs and PDFs within two business days if the Applicant does not correct the non-compliance within a reasonable time of notification to the Applicant by the monitor or if the non-compliance is repeated. Such non-compliance shall be appropriately addressed by the Enforcement Agency.

4 Program Modification

After review and approval of the final MMP by the Lead Agency, minor changes and modifications to the MMP are permitted, but can only be made subject to City approval. The Lead Agency, in conjunction with any appropriate agencies or departments, will determine the adequacy of any proposed change or modification. This flexibility is necessary in light of the nature of the MMP and the need to protect the environment. No changes will be permitted unless the MMP continues to satisfy the requirements of CEQA, as determined by the Lead Agency.

The Project shall be in substantial conformance with the PDFs and MMs contained in this MMP. The enforcing departments or agencies may determine substantial conformance with PDFs and MMs in the MMP in their reasonable discretion. If the department or agency cannot find substantial conformance, a PDF or MM may be modified or deleted as follows: the enforcing department or agency, or the decision maker for a subsequent discretionary project related approval finds that the modification or deletion complies with CEQA, including CEQA Guidelines Sections 15162 and 15164, which could include the preparation of an addendum or subsequent environmental clearance, if necessary, to analyze the impacts from the modifications to or deletion of the PDFs or MMs.

Any addendum or subsequent CEQA clearance shall explain why the PDF or MM is no longer needed, not feasible, or the other basis for modifying or deleting the PDF or MM, and that the modification will not result in a new significant impact consistent with the requirements of CEQA. Under this process, the modification or deletion of a PDF or MM shall not, in and of itself, require a modification to any Project discretionary approval unless the Director of Planning also

finds that the change to the PDF or MM results in a substantial change to the Project or the non-environmental conditions of approval.

5 Mitigation Monitoring Program

5.1 Air Quality

Project Design Feature

PDF-AIR-1: Tier 4 Construction Equipment

Construction equipment operating at the Project Site shall be subject to the requirements listed below.

- Prior to the issuance of a grading or building permit for each phase, an inventory of off-road heavy-duty construction equipment for that phase of construction, equal to or greater than 50 horsepower that will be used an aggregate of 40 or more hours, shall be provided to the Department of Building and Safety and the Department of City Planning. The inventory shall include the horsepower rating, engine production year, and certification of the specified Tier standard. A copy of each unit's certified tier specification or model year specification and California Air Resources Board or South Coast Air Quality Management District operating permit (if applicable) shall be available upon request at the time of mobilization of each applicable unit of equipment.

- Off-road diesel-powered equipment within the construction inventory shall meet the Tier 4 final off-road emissions standards within the Los Angeles region. Such equipment shall be outfitted with Best Available Control Technology (BACT) devices including a California Air Resources Board certified Level 3 Diesel Particulate Filter or equivalent.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety

- **Monitoring Agency:** City of Los Angeles Department of Building and Safety, City of Los Angeles Department of City Planning

- **Monitoring Phase:** Pre-construction, construction

- **Monitoring Frequency:** Once during plan check; Periodic field inspections

- **Action Indicating Compliance:** Plan check approval; Field inspection sign-off

5.2 Biological Resources

Project Mitigation Measures

MM-BIO-1: The Project Applicant/contractor would conduct all demolition, construction, ground disturbance, and vegetation clearing activities, including removal of the existing trees, outside of the avian breeding and nesting season (February 1–August 31) to the extent feasible.

- If removal of the existing trees on and adjacent to the Project Site must occur during the nesting season, a qualified biologist is required to be present during the removal activities to ensure no active bird nests (those containing eggs or nestlings, or with juvenile birds still dependent on the nest) are impacted. The biologist must determine whether active nests are present within the trees before any actual removal activity takes place.

- If any active nests are present within the trees during demolition, construction, ground disturbance, and vegetation clearing activities, the nests shall be avoided until determined by the biologist to no longer be active. The biologist shall determine appropriate avoidance buffers for any active nest based on species, nest location, and types of disturbance proposed in the vicinity of the nest.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety; California Department of Fish and Wildlife

- **Monitoring Agency:** City of Los Angeles Department of Building and Safety

- **Monitoring Phase:** Construction

- **Monitoring Frequency:** Periodic field inspections

- **Action Indicating Compliance:** Field inspection sign-off

RTP/SCS Mitigation Measure PMM BIO-1(g):

Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

- **Enforcement Agency:** California Department of Fish and Wildlife; Los Angeles Department of Building and Safety

- **Monitoring Agency:** Los Angeles Department of City Planning

- **Monitoring Phase:** Construction

- **Monitoring Frequency:** Once, prior to issuance of grading permits
- **Action(s) Indicating Compliance:** Issuance of applicable building permit

RTP/SCS Mitigation Measure PMM BIO-1(i):

Schedule construction activities to avoid sensitive times for biological resources (e.g., steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

- **Enforcement Agency:** California Department of Fish and Wildlife; Los Angeles Department of Building and Safety
- **Monitoring Agency:** Los Angeles Department of City Planning
- **Monitoring Phase:** Construction
- **Monitoring Frequency:** Once, prior to issuance of grading permits; or, if vegetation removal, building demolition, or grading is initiated during the nesting season, as determined by a qualified biologist (provide proof of compliance)
- **Action(s) Indicating Compliance:** Issuance of applicable building permit

Project Design Feature

PDF-BIO-1: Street Tree Protection

The Project Applicant/contractor shall install tree protection fencing around the seven Mexican fan palms on Sunset Boulevard to be protected. The Project Arborist shall be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures. The fencing shall be maintained throughout the grading and construction phase, and shall not be removed until the completion and cessation of all construction activities.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction, grading, construction
- **Monitoring Frequency:** Periodic field inspections

- **Action Indicating Compliance:** Field inspection sign-off

5.3 Hazards and Hazardous Materials

Project Mitigation Measure

MM-HAZ-1: Soil Management Plan

A Soil Management Plan (SMP) will be developed and implemented to ensure any on-site contaminated soil is properly disposed of at an appropriate, permitted disposal or treatment facility, and that any previously unidentified subsurface features discovered during ground-disturbing activities be handled and disposed of in compliance with all applicable regulatory requirements. The SMP shall be submitted to the City of Los Angeles Department of Building and Safety for review and approval prior to the commencement of excavation and grading activities.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-Construction; Construction
- **Monitoring Frequency:** Once at Project plan check; Once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off

5.4 Noise

Project Mitigation Measures

MM-NOI-1: Construction staging shall be located as far from sensitive receptors as possible.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-Construction; Construction
- **Monitoring Frequency:** Once at Project plan check; Once during field inspection

- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off

MM-NOI-2: Temporary sound barriers capable of attenuating construction noise (e.g., construction sound barrier with sound blankets) and blocking the line-of-sight between the adjacent sensitive receptors shall be installed. Such barriers shall be capable of reducing sound pressure by at least 2.4 dBA L_{eq} at 1190 Sunset Boulevard; 4.3 dBA L_{eq} at 1251-1255 Sunset Boulevard; 1.8 dBA L_{eq} at off-site receptors to the west across Sunset Boulevard; and 11.0 dBA L_{eq} at off-site receptors at 906-924 Everett Street.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-Construction; Construction
- **Monitoring Frequency:** Once at Project plan check; Once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off

MM-NOI-3: All powered construction equipment shall be equipped with advanced exhaust mufflers or other noise reduction devices.

- **Enforcement Agency:** City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-Construction; Construction
- **Monitoring Frequency:** Once at Project plan check; Once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off

5.5 Public Services - Police Protection

Project Design Features

PDF-POL-1: During construction, the Applicant will implement temporary security measures including security fencing, lighting, and locked entry.

- **Enforcement Agency:** City of Los Angeles Police Department or City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Construction
- **Monitoring Frequency:** Periodically during field inspection
- **Action(s) Indicating Compliance:** Field inspection sign-off

PDF-POL-2: The Project will include a closed-circuit camera system and secure entry for the residential uses and resident parking areas.

- **Enforcement Agency:** City of Los Angeles Police Department or City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; post-construction
- **Monitoring Frequency:** Once at Project plan check; once during field inspection
- **Action(s) Indicating Compliance:** Plan approval and issuance of applicable building permit; issuance of Certificate of Occupancy

PDF-POL-3: The Project will provide proper lighting of the building and walkways to provide for pedestrian orientation and clearly identify a secure route between subterranean parking areas and points of entry into the building.

- **Enforcement Agency:** City of Los Angeles Police Department or City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; construction
- **Monitoring Frequency:** Once at Project plan check; once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of applicable building permit; issuance of Certificate of Occupancy

PDF-POL-4: The Project will provide sufficient lighting of the subterranean parking areas to maximize visibility and reduce areas of concealment.

- **Enforcement Agency:** City of Los Angeles Police Department or City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; construction
- **Monitoring Frequency:** Once at Project plan check; once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of applicable building permit; issuance of Certificate of Occupancy

PDF-POL-5: The Project will design entrances to, and exits from, the building and open space areas to be open and in view of surrounding areas.

- **Enforcement Agency:** City of Los Angeles Police Department or City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; construction
- **Monitoring Frequency:** Once at Project plan check; once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of applicable building permit; issuance of Certificate of Occupancy

PDF-POL-6: Upon completion of construction of the Project and prior to the issuance of a certificate of occupancy, the Applicant will submit a diagram of the Project Site to the LAPD's Central Area Commanding Officer that includes access routes and any additional information that might facilitate police response.

- **Enforcement Agency:** City of Los Angeles Police Department or City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Completion of construction
- **Monitoring Frequency:** Once prior to issuance of Certificate of Occupancy
- **Action Indicating Compliance:** Issuance of Certificate of Occupancy

5.6 Transportation

Project Design Features

PDF-TRAN-1: Pursuant to City's requirements, prior to the start of construction, a Construction Management Plan shall be prepared and submitted to LADOT for review and approval. The Construction Management Plan will formalize how construction would be carried out and identify specific actions that would be required to reduce effects on the surrounding community. The Construction Management Plan will include, but not be limited to, the following measures, as appropriate:

- To accommodate Project construction, closure of the northbound parking/PM peak hour bus lane on Sunset Boulevard along the Project frontage is anticipated between 6:30 AM and 4:00 PM, so as not to interfere with PM peak hour buses or the Dodger Stadium Express bus route during home games. During construction of the Project, a pedestrian canopy will be constructed to maintain access to the sidewalk, bus stop, and crosswalks at Marion Avenue.

- The existing land uses near the vicinity of the Project Site will remain open throughout construction. Pedestrian and vehicular access to properties located adjacent and near to the Project Site would remain open and unobstructed for the duration of construction. No loss of ADA pedestrian access to transit stops, stations, or facilities is anticipated. On-street parking on the Project frontage along Sunset Boulevard and Everett Street will be restricted during the construction period.

- Staging and parking areas during construction would initially be located at an off-site location to be determined at a future date. No staging and worker parking would occur on public streets and rights-of-way.

- Workers would park in the Project's subterranean parking garage after it is constructed.

- Advance, bilingual notification of adjacent property owners and occupants of upcoming construction activities, including durations and daily hours of operation;

- Prohibition of construction worker or equipment parking on adjacent streets;

- Prohibition of haul truck staging on any streets adjacent to the Project, unless specifically approved as a condition of an approved haul route;

- Scheduling of construction activities to reduce the effect on traffic flow on surrounding Arterial Streets;

- Containment of construction activity within the Project Site boundaries;
- Implementation of safety precautions for pedestrians and bicyclists through such measures as alternate routing and protection barriers ;
- Scheduling of construction-related deliveries, haul trips, etc., to occur outside the commuter peak hours to the extent feasible;
- Spacing of trucks so as to discourage a convoy effect;
- Sufficient dampening of the construction area to control dust caused by grading and hauling and reasonable control at all times of dust caused by wind;
- Maintenance of a log, available on the job site at all times, documenting the dates of hauling and the number of trips (i.e., trucks) per day; and
- Identification of a construction manager and provision of a telephone number for any inquiries or complaints from residents regarding construction activities posted at the site readily visible to any interested party during site preparation, grading, and construction.
- **Enforcement Agency:** City of Los Angeles Department of Transportation; City of Los Angeles Department of City Planning
- **Monitoring Agency:** City of Los Angeles Department of Transportation; City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; Construction
- **Monitoring Frequency:** Once at Project plan check prior to issuance of grading or building permit; Once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off

PDF-TRAN-2: Transportation Demand Management (TDM) Measures:

Although the Project is not expected to cause any significant transportation impact or non-CEQA operational issues in accordance with the TAG, the Project proposes the following TDM measures to reduce trips, traffic, VMT, and greenhouse gas emissions (GHGs):

- Reduced parking supply (263 spaces) compared to Los Angeles Municipal Code (LAMC) baseline requirements (621 spaces), in accordance with AB 2097.
- Unbundled cost of parking from residential leases.

- Promotions and marketing program (kiosk, coordinator, pamphlets, website) to inform travelers about different transportation options and the effects of their travel choices.
- Bicycle parking per LAMC.
- **Enforcement Agency:** City of Los Angeles Department of Transportation; City of Los Angeles Department of City Planning
- **Monitoring Agency:** City of Los Angeles Department of Transportation; City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; Construction, Pre-operation
- **Monitoring Frequency:** Once at Project plan check prior to issuance of grading or building permit; Once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off; Certification of occupancy.

PDF-TRAN-3: Modification of Sunset Boulevard and Marion Avenue intersection (Project driveway):

- The Project proposes a full-access driveway to form the fourth leg of the Sunset Boulevard and Marion Avenue signalized intersection. This would involve the modification of traffic signal equipment, curbs, ramps, and striping at this intersection.
- **Enforcement Agency:** City of Los Angeles Department of Transportation; City of Los Angeles Department of Building and Safety
- **Monitoring Agency:** City of Los Angeles Department of Transportation; City of Los Angeles Department of Building and Safety
- **Monitoring Phase:** Pre-construction; Construction
- **Monitoring Frequency:** Once at Project plan check prior to issuance of grading or building permit; Once during field inspection
- **Action(s) Indicating Compliance:** Plan check approval and issuance of grading permit; Field inspection sign-off

5.7 Tribal Cultural Resources

Project Mitigation Measure

MM-TCR-1: Inadvertent Discovery Of Tribal Cultural Resources

In the event that objects or artifacts that may be tribal cultural resources are encountered during the course of any ground disturbance activities (excavating, digging, trenching, plowing, drilling, tunneling, quarrying, grading, leveling, removing peat, clearing, driving posts, augering, backfilling, blasting, stripping topsoil or a similar activity), all such activities shall temporarily cease on the project site until the potential tribal cultural resources are properly assessed and addressed pursuant to the process set forth below:

- Upon a discovery of a potential tribal cultural resource, the Applicant shall immediately stop all ground disturbance activities and contact the following: (1) all California Native American tribes that have informed the City they are traditionally and culturally affiliated with the geographic area of the proposed project; (2) and the Department of City Planning at (213) 978-1290.

- If the City determines, pursuant to PRC Section 21074 (a)(2), that the object or artifact appears to be tribal cultural resource, the City shall provide any effected tribe a reasonable period of time, not less than 30 days, to conduct a site visit and make recommendations to the Applicant and the City regarding the monitoring of future ground disturbance activities, as well as the treatment and disposition of any discovered tribal cultural resources.

- The Applicant shall implement the tribe's recommendations if a qualified archaeologist and by a culturally affiliated tribal monitor, both retained by the City and paid for by the Applicant, reasonably concludes that the tribe's recommendations are reasonable and feasible.

- The Applicant shall submit a tribal cultural resource monitoring plan to the City that includes all recommendations from the City and any effected tribes that have been reviewed and determined by the qualified archaeologist and by a culturally affiliated tribal monitor to be reasonable and feasible. The Applicant shall not be allowed to recommence ground disturbance activities until this plan is approved by the City.

- If the Applicant does not accept a particular recommendation determined to be reasonable and feasible by the qualified archaeologist or by a culturally affiliated tribal monitor, the Applicant may request mediation by a mediator agreed to by the Applicant and the City who has the requisite professional qualifications and experience to mediate such a dispute. The Applicant shall pay any costs associated with the mediation.

- The Applicant may recommence ground disturbance activities outside of a specified radius of the discovery site, so long as this radius has been reviewed by the qualified archaeologist and by a culturally affiliated tribal monitor and determined to be reasonable and appropriate.

- Copies of any subsequent prehistoric archaeological study, tribal cultural resources study or report, detailing the nature of any significant tribal cultural resources, remedial actions taken, and disposition of any significant tribal cultural resources shall be submitted to the South Central Coastal Information Center (SCCIC) at California State University, Fullerton.

- **Enforcement Agency:** City of Los Angeles Department of City Planning

- **Monitoring Agency:** City of Los Angeles Department of City Planning

- **Monitoring Phase:** Pre-construction; Construction

- **Monitoring Frequency:** Once at Project plan check; monitoring to be determined by tribal consultant and/or qualified archaeologist

- **Action(s) Indicating Compliance:** Submittal of a letter of retention demonstrating the qualifications to the Project proponent; If discoveries are found, submittal of compliance documentation by tribal consultant and/or qualified archaeologist. Submittal of a copy of the training materials and a list of attendees no more than 10 days after completing the training.

SUNSET + EVERETT

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PROJECT NARRATIVE

SUNSET & EVERETT IS A MIXED-USE PROJECT, APPLYING FOR AB2345 DENSITY BONUS, PROVIDING 286 MARKET-RATE UNITS, 41 AFFORDABLE UNITS (15% VERY LOW-INCOME UNITS), AND APPROX. 9,462 SQFT OF COMMERCIAL SPACE. THE PROJECT ALSO INCLUDES 263 TOTAL PARKING SPACES, OVER 24,540 SF OF COMMON & PRIVATE OPEN SPACE, AND 4 COMMON RESIDENT AMENITY SPACES SUCH AS A CLUB ROOM, CLUB LOUNGE, FITNESS, COMMUNITY ROOM, & ROOF DECKS PER BUILDING. BUILDING 'A' IS A 7-STORY BUILDING WITH 4 LEVELS OF TYPE IIIA CONSTRUCTION OVER 3 LEVELS OF TYPE I PODIUM. WHILE BUILDING 'B' IS A 7-STORY BUILDING WITH 5 LEVELS OF TYPE IIIA CONSTRUCTION OVER 2 LEVELS OF TYPE I PODIUM.

PROJECT DESIGN TEAM

APPLICANT:

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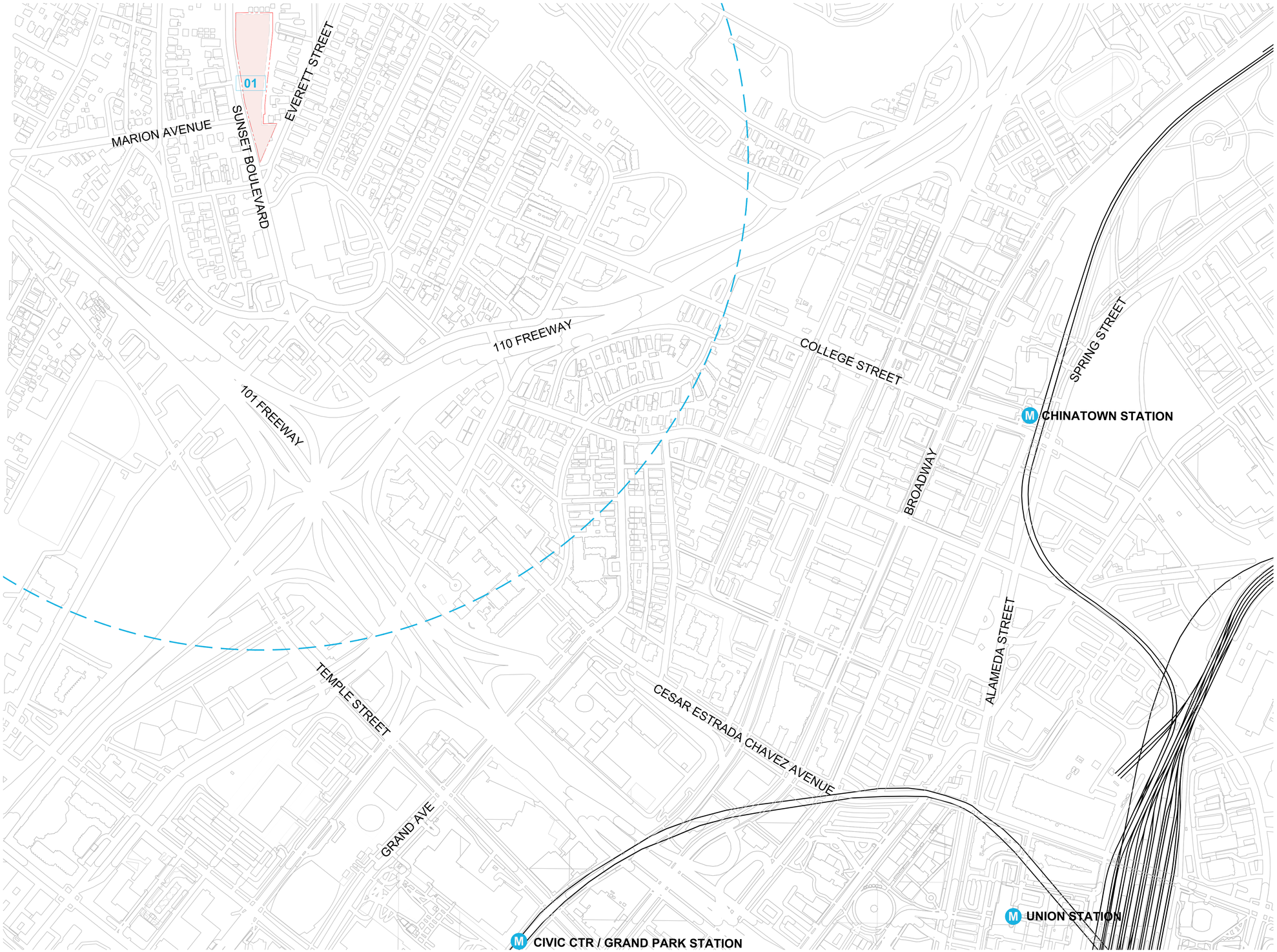

SYMBOLS LEGEND

- PROJECT SITE
- 0.5 MILE RADIUS
- METRO STATION

CALLOUT LEGEND

01 SITE

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

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Scale: 1" = 250'

VICINITY MAP
PROJECT VICINITY SUMMARY

A0-1

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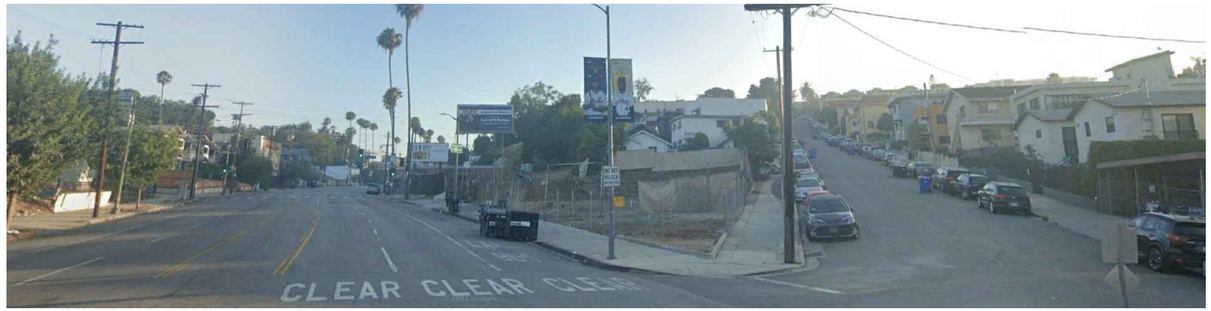

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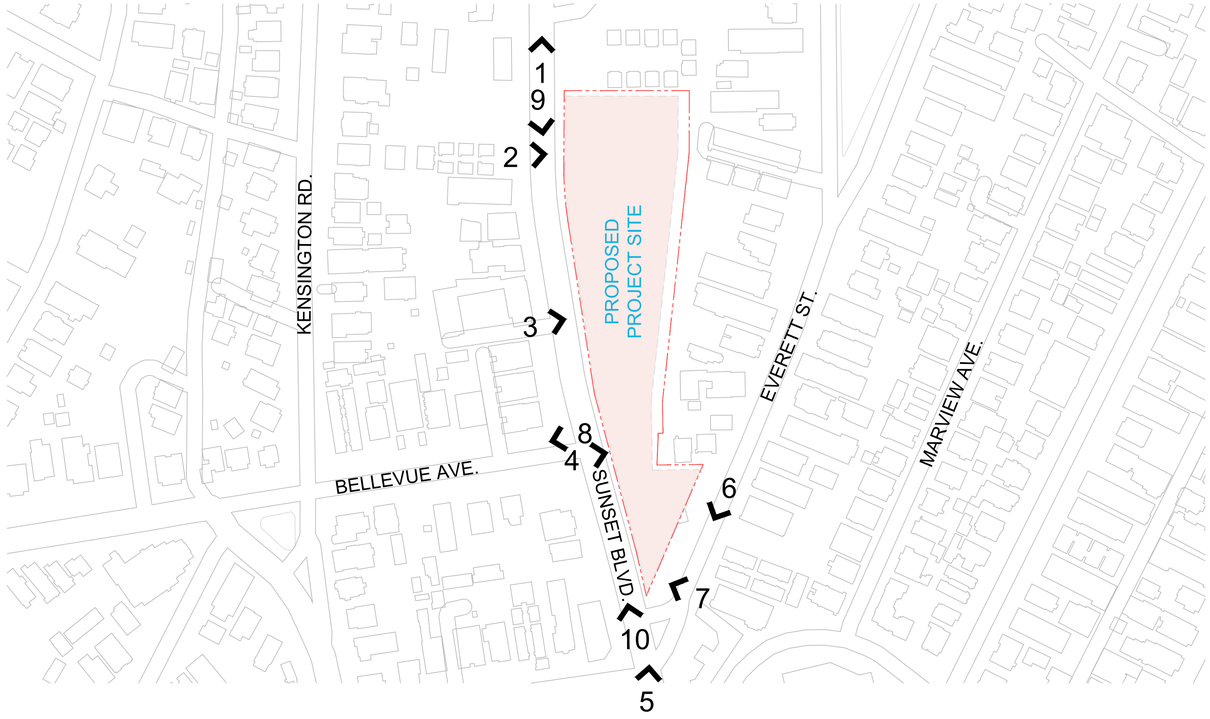

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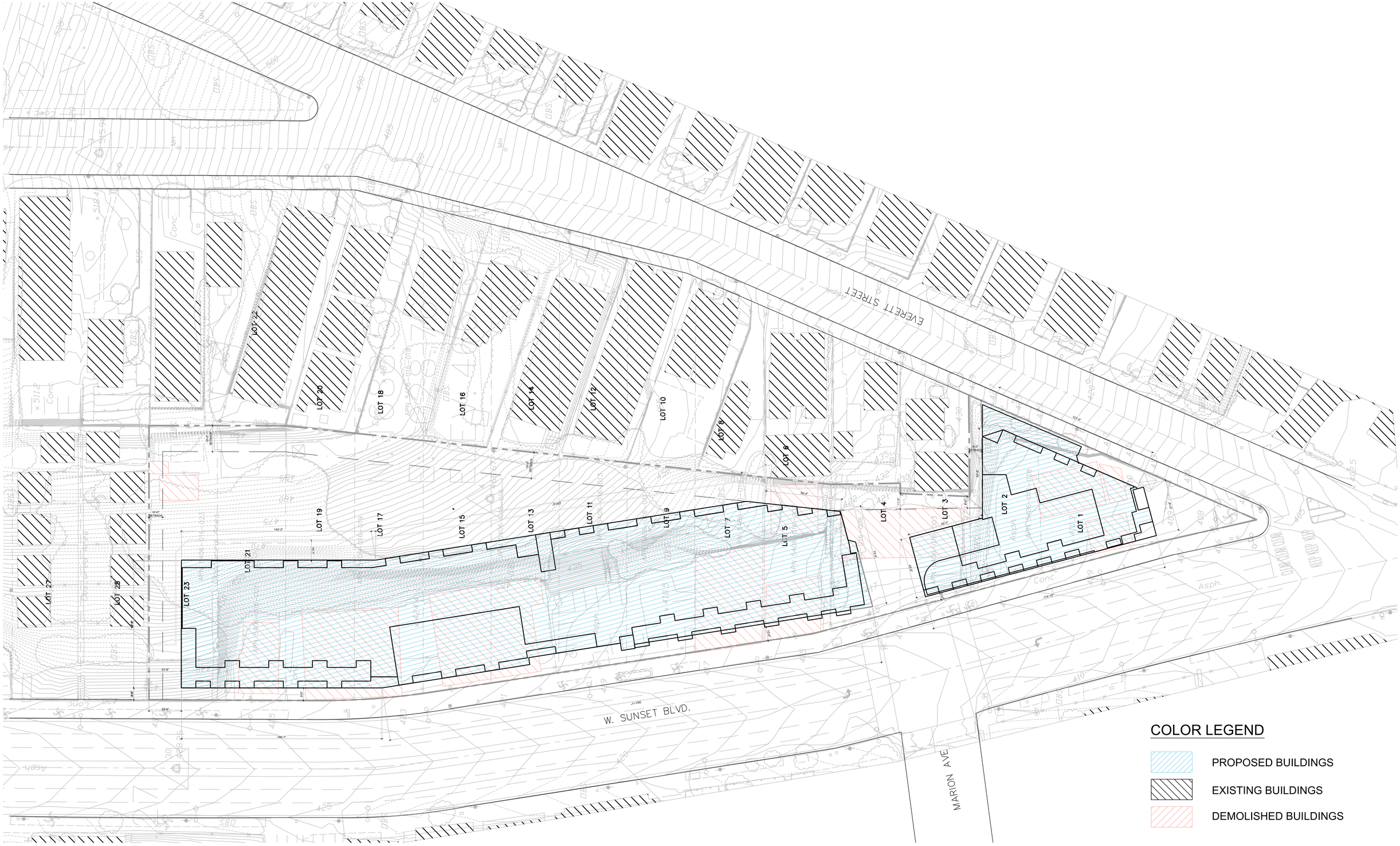
SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

NTS
Scale: NTS

EXISTING CONTEXT

A0-2



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LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 15 30 60
Scale: 1" = 30'

PLOT PLAN

A0-3

PROJECT ZONING

PROJECT NAME	SUNSET + EVERETT	
PROJECT ADDRESS	1187-1247 W. SUNSET BLVD. 917-927 N. EVERETT ST. Los Angeles, CA 90012	
LAND USE	General Commercial	
ASSESSOR PARCEL #	5406-016-028, -003, -004, -005, -006, -007, -010, -011, -013, -016, -019, -021, -023	
ZONING	C2-1VL	
DESCRIPTION	Refer to the Plot Plan on sheet A0-3.	
COMBINED SITE AREA	107,100	2.459 AC

SETBACKS	**REQUIRED**	**PROPOSED**
FRONT (Sunset)	com. 0' _ Res. 0'	com. 5' _ Res. 5'
SIDE (Everett)	com. 0' _ Res. 0'	com. 5' _ Res. 13'-5"
SIDE (Abutting Prop.)	com. 0' _ Res. 9'	com. 9' _ Res. 9'
REAR (Abutting Prop.)	com. 0' _ Res. 19'	com. 9' _ Res. 19'

PROJECT SUMMARY & DATA

LOT AREA	107,100 SF	2.459 AC

DENSITY

C2-1D ZONE (BASE)	**PROPOSED AFFORDABLE**	**DB AB-2345**
1/400SF	*15% VERY LOW-INCOME UNITS*	*22% INCREASE*
268 UNITS	41 AFFORDABLE UNITS	**327 UNITS**

PROPOSED DENSITY **133.0 DU/AC**

FAR

PROPOSED FAR	**321,300 SF**	**3.0 :1**
PROGRAM	COMMERCIAL	9,462 SF
	MAIN LOBBY / LEASING	3,660 SF
	FITNESS	1,680 SF
	COMMUNITY RM	1,680 SF
	CLUB LOUNGE	1,442 SF
	OTHER AMENITIES	1,614 SF
	RESIDENTIAL NRSF	**242,796 SF**

PROPOSED MIX

STUDIO	13 UNITS	4%	AVE. 530 SF
1-BED	230 UNITS	70%	AVE. 649 SF
2-BED	79 UNITS	24%	AVE. 1,029 SF
3-BED	5 UNITS	2%	AVE. 1,279 SF
TOTAL	**327 UNITS**	**100%**	**AVE. 744 SF**

HEIGHT	**BUILDING 'A'**	**BUILDING 'B'**
LOWEST GRADE POINT	416.5'	408.5'
AVG. GRADE PLANE	430'	416.38'
TOP OF ROOF / PARAPET	507.0'	494.49'
BUILDING HEIGHT	91' (GRADE)_7 STORIES	86' (GRADE)_7 STORIES
ALLOWABLE HEIGHT	57'-0"(GRADE)	57'-0"(GRADE)
DISCRETIONARY REQUEST	34'	29'
MAX PLUMB HEIGHT	85'	81.5'
ALLOWABLE PLUMB HT	45'	45'
DISCRETIONARY REQUEST	40'	36.5'

SITE COVERAGE

BLDG FOOTPRINT	BLDG 'A': 44,743 SF	BLDG 'B': 11,580 SF
53% (56,323 SF)	42%	11%
IMPERVIOUS/HARDSCAPE	12% (12,852 SF)	
PERVIOUS SURFACE %	35% (37,925 SF)	

PARKING

REQUIRED	0 SPACES	**(NO PARKING PER AB 2097)**
PROPOSED	263 SPACES	

OPEN SPACE

REQUIRED	24,535 SF
PROPOSED	24,540 SF

FAR TABLE

LOT SIZE: 107,100 SQFT

	FAR	SQFT PERMITTED
C2-1D ZONE	1.5 :1	160,650 SF
AB 2345 / LAMC	3.0:1	321,300 SF
PROPOSED	**3.0 :1**	**321,300 SF**

BUILDING 'A' // FLOOR AREA SUMMARY

FLOOR / LEVEL	APARTMENT UNITS	RESIDENTIAL UNIT AREA	COMMON AREAS / CIRCULATION	AMENITY/ LOBBY / RETAIL AREA	BALC. AREA	TOTAL FLOOR AREA	GARAGE / MECH AREA	GROSS BUILDING AREA
Level G1	0 UNITS	0 SF	1,851 SF	0 SF	0 SF	**1,851 SF**	42,786 SF	**44,637 SF**
Level G2	0 UNITS	0 SF	3,146 SF	6,929 SF	0 SF	**10,075 SF**	34,830 SF	**44,905 SF**
Level 1 (G3)	6 UNITS	4,860 SF	4,528 SF	0 SF	540 SF	**9,928 SF**	30,998 SF	**40,926 SF**
Level 2	51 UNITS	34,405 SF	5,233 SF	1,680 SF	2,738 SF	**44,056 SF**	0 SF	**44,056 SF**
Level 3	53 UNITS	35,988 SF	5,184 SF	0 SF	2,844 SF	**44,016 SF**	0 SF	**44,016 SF**
Level 4	51 UNITS	34,869 SF	5,060 SF	1,680 SF	2,738 SF	**44,347 SF**	0 SF	**44,347 SF**
Level 5	42 UNITS	33,993 SF	5,151 SF	0 SF	2,959 SF	**42,103 SF**	0 SF	**42,103 SF**
Level 6	41 UNITS	32,099 SF	4,882 SF	0 SF	4,023 SF	**41,004 SF**	0 SF	**41,004 SF**
Level 7	35 UNITS	25,146 SF	4,974 SF	2,553 SF	1,890 SF	**34,563 SF**	0 SF	**34,563 SF**
Total	**279 UNITS**	201,360 SF	40,009 SF	12,842 SF	17,732 SF	**271,943 SF**	108,614 SF	**380,557 SF**

BUILDING 'A' // AMENITIES/LOBBY/RETAIL

PROGRAM	G2 FLOOR	L2 FLOOR	L3 FLOOR	L4 FLOOR	L6 FLOOR	L7 FLOOR
RETAIL 'A'	2,920 SF					
LOBBY / MAIL	2,855 SF					
BIKE ROOM	1,154 SF					
REC. RM. (FITNESS)		1,680 SF				
REC. RM. (COMM. RM.)				1,680 SF		
REC. RM. (CLUB ROOM)						1,442 SF
REC. RM. (CLUB LOUNGE)						1,111 SF
Total	**6,929 SF**	**1,680 SF**	**0 SF**	**1,680 SF**	**0 SF**	**2,553 SF**

BUILDING 'A' // COMM. SPACE

PROGRAM	G2 FLOOR
RETAIL 'A'	2,920 SF
Total	**2,920 SF**

BUILDING 'B' // FLOOR AREA SUMMARY

FLOOR / LEVEL	APARTMENT UNITS	RESIDENTIAL UNIT AREA	COMMON AREAS / CIRCULATION	AMENITY/ LOBBY / RETAIL AREA	BALC. AREA	TOTAL FLOOR AREA	GARAGE / MECH AREA	GROSS BUILDING AREA
Level G1	0 UNITS	0 SF	1,936 SF	460 SF	0 SF	**2,396 SF**	9,154 SF	**11,550 SF**
Level 1	0 UNITS	0 SF	3,501 SF	6,542 SF	0 SF	**10,043 SF**	0 SF	**10,043 SF**
Level 2	9 UNITS	8,153 SF	1,943 SF	235 SF	841 SF	**11,172 SF**	0 SF	**11,172 SF**
Level 3	9 UNITS	8,428 SF	1,871 SF	0 SF	673 SF	**10,972 SF**	0 SF	**10,972 SF**
Level 4	9 UNITS	8,246 SF	1,871 SF	0 SF	949 SF	**11,066 SF**	0 SF	**11,066 SF**
Level 5	9 UNITS	7,366 SF	1,771 SF	0 SF	1,169 SF	**10,306 SF**	0 SF	**10,306 SF**
Level 6	9 UNITS	6,675 SF	1,771 SF	0 SF	828 SF	**9,274 SF**	0 SF	**9,274 SF**
Level 7	3 UNITS	2,568 SF	1,678 SF	0 SF	159 SF	**4,405 SF**	0 SF	**4,405 SF**
Total	**48 UNITS**	41,436 SF	16,342 SF	7,237 SF	4,619 SF	**69,634 SF**	9,154 SF	**78,788 SF**

BUILDING 'B' // AMENITIES/LOBBY/RETAIL

PROGRAM	G1 FLOOR	L1 FLOOR	L2 FLOOR	L3 FLOOR	L4 FLOOR	L6 FLOOR
RESTAURANT		5,258 SF				
RETAIL 'B'		1,284 SF				
LOBBY / MAIL			235 SF			
BIKE ROOM	460 SF					
Total	**460 SF**	**6,542 SF**	**235 SF**	**0 SF**	**0 SF**	**0 SF**

BUILDING 'B' // COMM. SPACE

PROGRAM	L1 FLOOR
RESTAURANT	5,258 SF
RETAIL 'B'	1,284 SF
Total	**6,542 SF**

OPEN SPACE | BUILDING 'A'

REQUIRED		OPEN SPACE	
STUDIO	7	100 PER UNIT	700
1 BEDROOM	215	100 PER UNIT	21,500
2 BEDROOM	55	125 PER UNIT	6,875
3 BEDROOM	2	175 PER UNIT	350
	279 UNITS	**REQUIRED OPEN SPACE**	**29,425 SF**

OPEN SPACE | BUILDING 'B'

REQUIRED		OPEN SPACE	
STUDIO	6	100 PER UNIT	600
1 BEDROOM	15	100 PER UNIT	1,500
2 BEDROOM	24	125 PER UNIT	3,000
3 BEDROOM	3	175 PER UNIT	525
	48 UNITS	**REQUIRED OPEN SPACE**	**5,625 SF**

OPEN SPACE | BUILDING 'A' + 'B'

REQUIRED		OPEN SPACE	
STUDIO	13	100 PER UNIT	1,300
1 BEDROOM	230	100 PER UNIT	23,000
2 BEDROOM	79	125 PER UNIT	9,875
3 BEDROOM	5	175 PER UNIT	875
	327 UNITS	**REQUIRED OPEN SPACE**	35,050 SF
		30% REDUCTION	**10,515 SF**
		TOTAL REQUIRED:	24,535 SF

BUILDING 'A' // AMENITIES

PROVIDED	L2 FLOOR	L4 FLOOR	L7 FLOOR
REC. RM. (FITNESS)	1,680 SF		
REC. RM. (COMMUNITY ROOM)		1,680 SF	
REC. RM. (CLUB ROOM)			1,442 SF
REC. RM. (CLUB LOUNGE)			1,111 SF
TOTAL	**1,680 SF**	**1,680 SF**	**2,553 SF**
PROVIDED		**5,913 SF**	

BUILDING 'B' // AMENITIES

PROVIDED	G2 FLOOR	L2 FLOOR	L4 FLOOR	L7 FLOOR
NONE	0 SF	0 SF	0 SF	0 SF
TOTAL	**0 SF**	**0 SF**	**0 SF**	**0 SF**
PROVIDED		**0 SF**		

OPEN SPACE

		AREA
REQUIRED OPEN SPACE	327 DU	**35,050 SF**
	INCENTIVE: 30% REDUCTION	**10,515 SF**
	TOTAL REQUIRED	**24,535 SF**
PROVIDED OPEN SPACE (COMPLIANT)	BLDG 'A': 104 PVT DECKS *(compliant to 50 sf max.)*	5,200 SF
	COURTYARD 'A1' - L2	5,950 SF
	COURTYARD 'A2' - G2	1,630 SF
	ROOF DECK 'A1' - L7	2,975 SF
	BLDG 'B': 21 PVT DECKS *(compliant to 50 sf max.)*	1,050 SF
	ROOF DECK 'B1' - L7	758 SF
	ROOF DECK 'B2' - L7	1,064 SF
	INDOOR AMENITIES *(up to max. 25% of total req.)*	5,913 SF
	TOTAL PROVIDED	**24,540 SF**
PROVIDED OPEN SPACE (OTHER OPEN SPACE NOT INCLUDE IN COMMON OPEN SPACE CALCULATION)	BLDG 'A': 175 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	8,750 SF
	PLAZA 'A' - L1	965 SF
	RETAIL PATIO 'A' - L1	1,765 SF
	COURTYARD 'A1' - L2	565 SF
	ROOF DECK 'A2' - L7	515
	BLDG 'B': 27 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	1,350 SF
	PLAZA 'B' - L1 *(commercial outdoor space)*	2,365 SF
	RETAIL PATIO 'B' - L1	750 SF
	TOTAL OTHER OPEN SPACE	**17,025 SF**
TOTAL PROJECT OPEN SPACE		**41,565 SF**

BUILDING 'A' // NUMBER OF PRIVATE DECKS

UNITS	PROVIDED
STUDIO	7
1 BEDROOM	215
2 BEDROOM	69
3 BEDROOM	4
TOTAL	**295 DECKS**

BUILDING 'B' // NUMBER OF PRIVATE DECKS

UNITS	PROVIDED
STUDIO	6
1 BEDROOM	15
2 BEDROOM	37
3 BEDROOM	4
TOTAL	**62 DECKS**

BUILDING 'A' + 'B' // NUMBER OF PRIVATE DECKS

UNITS	PROVIDED
STUDIO	13
1 BEDROOM	230
2 BEDROOM	106
3 BEDROOM	8
TOTAL	**357 DECKS**

(A MINIMUM OF 1 PRIVATE DECK IS PROVIDED TO EACH DWELLING UNIT. VARIOUS UNITS PROVIDE MULTIPLE DECKS, BUT A MINIMUM OF 50 SF IS COUNTED TOWARDS PRIVATE OPEN SPACE.)

PARKING PROVIDED

PROVIDED PARKING	RESIDENTIAL				
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	ADA	TOTAL
G1 FLOOR | BLDG 'A'	2	66	30	0	98
G2 FLOOR | BLDG 'A'	0	34	21	4	59
G3 FLOOR | BLDG 'A'	1	48	21	1	71
G1 FLOOR | BLDG 'B'	1	12	1	2	16
TOTAL OF EACH STALL TYPE	**4**	**160**	**73**	**7**	
TOTAL PROVIDED		**244 SPACES**			**0.75 SPACE/UNIT**

PROVIDED PARKING	COMMERCIAL				
	COMPACT	STANDARD	TANDEM	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	17	0	1	0
TOTAL OF EACH STALL TYPE	**1**	**17**	**0**	**1**	**9,462 SF**
TOTAL PROVIDED		**19 SPACES**			**1 SPACE / 500 SF**

EV PARKING

PROVIDED PARKING	244 SPACES		
%	CAL GREEN	REQ.	ROUNDED UP
30%	EV CAPABLE	73.2	74
25%	EV READY	61	61
10%	EV CHARGERS	24.4	25
TOTAL PER CITY OF LA			**160**
EV ACCESSIBLE (1 IN 25)			7

BIKE PARKING

Table 12.21 A.16.(a)(1)(i)

LONG-TERM

DWELLING UNITS	RATIO	DU	TOTAL
First Tier (1-25 DU)	1	25	25.0
Second Tier (26-100 DU)	1.5	75	50.0
Third Tier (101-200 DU)	2	100	50.0
Fourth Tier (201+ DU)	4	127	31.8
COMMERCIAL	**RATIO / SQFT**	**SQFT**	**TOTAL**
	2000	9,462 SF	4.7
TOTAL REQUIRED			**161.5**
TOTAL PROPOSED			**162**

SHORT-TERM

DWELLING UNITS	RATIO	DU	TOTAL
First Tier (1-25 DU)	10	25	2.5
Second Tier (26-100 DU)	15	75	5.0
Third Tier (101-200 DU)	20	100	5.0
Fourth Tier (201+ DU)	40	127	3.2
COMMERCIAL	**RATIO / SQFT**	**SQFT**	**TOTAL**
	2000	9,462 SF	4.7
TOTAL REQUIRED			**20.4**
TOTAL PROPOSED			**20**

RESIDENTIAL STORAGE — 4X4 LOCKERS

PROVIDED

UNITS	RATIO
327	0.86
TOTAL PROPOSED	**280**

INCENTIVES

	BASE ZONING (C2-1D ZONE)	DENSITY BONUS AB 2345	PROVIDED
HEIGHT	57'	OFF-MENU DENSITY BONUS HEIGHT REQUEST 34'	**± 91'-0"**
FAR	1.5 :1	ON-MENU FAR REQUEST 3.0:1	**3.0 : 1**
OPEN SPACE	30%	OFF-MENU REDUCTION	**24,535 SF**

MIXED-USE COMMERCIAL FRONTAGE COMPLIANCE

(PER LAMC 13.09 B3)

LOCATION	FRONTAGE LENGTH	25' DEEP COMMERCIAL FRONTAGE REQD (35% MIN. OF FRONTAGE LENGTH)	COMMERCIAL FRONTAGE PROPOSED	
SUNSET BOULEVARD	595.91 FT	208.57 FT	224.50 FT	37.7%
EVERETT STREET	69.58 FT	24.35 FT	86.00 FT	123.6%

**EXCLUDING DRIVEWAYS OR PEDESTRIAN ENTRANCES*

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888.456.5849
ktgy.com

Aragon Properties LTD.
1628 W. 1st Ave.
Vancouver, BC, Canada V6J 1G1

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

PROJECT DATA
DATA

UNIT DATA | BLDG A

UNITS	P0-1	P0-2A	P0-2B	P0-3A	P0-4A	P1-1A	P1-1B	P1-2A	P1-2C	P1-3A	P1-3B	P1-4A	P1-4B	P1-5A	P1-6A	P1-6B	P1-7A	P1-7C	P1-10	P1-11A	P1-11B	P1-9	P2-1	P2-1B	P2-2	P2-3A	P2-4A	P2-4B	P2-4C	P2-5	P2-5B	P2-5C	P2-6	P2-7A	P2-7B	P2-7C	P2-7D	P2-7E	P2-8	P2-9	P2-10	P2-11	P2-12	P3-1	P3-2A	P3-2B	P3-2C	TOTALS
UNIT SQFT	368	519	554	552	508	537	537	561	611	570	569	619	619	635	718	718	731	606	694	1,011	1,011	767	856	987	810	865	919	1,025	1,025	962	1,254	1,094	1,054	1,122	1,122	1,176	1,414	1,254	1,260	1,369	1,021	1,181	1,182	1,160	1,341	1,341	1,394	
BALCONY SQFT	53	87	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	66	53	53	53	287	53	53	90	88	53	53	53	159	159	159	236	107	107	53	159	159	310	107	157	210	53	371	106	106	53	
LEVEL 1 (G3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6 UNITS
LEVEL 2	0	0	0	1	0	0	0	19	0	0	0	0	0	1	2	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51 UNITS
LEVEL 3	0	0	0	1	1	0	0	19	1	0	0	0	0	1	10	12	1	0	2	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	53 UNITS
LEVEL 4	0	0	0	1	0	0	0	19	0	0	0	0	0	1	1	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	51 UNITS
LEVEL 5	0	0	0	1	0	0	0	10	2	0	0	0	0	1	0	11	1	0	1	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	9	0	1	1	0	0	0	0	1	0	0	0	0	42 UNITS
LEVEL 6	0	0	0	1	0	0	0	10	0	0	0	0	0	1	0	11	1	1	1	0	0	0	0	0	0	1	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	41 UNITS
LEVEL 7	0	0	0	1	0	0	0	10	0	0	0	0	0	1	0	11	1	0	1	0	0	0	7	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	35 UNITS
TOTALS	0	0	0	6	1	0	0	87	3	0	0	0	0	6	13	87	6	1	9	1	2	0	7	1	6	6	2	3	3	9	1	1	0	0	9	0	1	1	0	0	0	0	5	2	0	0	0	279 UNITS
PERCENTAGE	0.0%	0.0%	0.0%	2.2%	0.4%	0.0%	0.0%	31.2%	1.1%	0.0%	0.0%	0.0%	0.0%	2.2%	4.7%	31.2%	2.2%	0.4%	3.2%	0.4%	0.7%	0.0%	2.5%	0.4%	2.2%	2.2%	0.7%	1.1%	1.1%	3.2%	0.4%	0.4%	0.0%	0.0%	3.2%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	1.8%	0.7%	0.0%	0.0%	0.0%	
PRIVATE OPEN SPACE																																															17,732 SQFT
RENTABLE AREA	0	0	0	3,312	508	0	0	48,807	1,833	0	0	0	0	3,810	9,334	62,466	4,386	606	6,246	1,011	2,022	0	5,992	987	4,860	5,190	1,838	3,075	3,075	8,658	1,254	1,094	0	0	10,098	0	1,414	1,254	0	0	0	0	5,910	2,320	0	0	0	201,360 SQFT
UNIT TYPE	**STUDIO**					**JR / 1 BEDROOM**									**1 BEDROOM +DEN**								**2 BEDROOM**																						**3 BEDROOM**				
TOTAL UNITS	**7**					**96**									**119**								**55**																						**2**				**279 UNITS**
UNIT MIX	**2.5%**					**34.4%**									**42.7%**								**19.7%**																						**0.7%**				**100.0%**
AVG SQFT	**546**					**567**									**723**								**995**																						**1,160**				**722 SQFT**

UNIT DATA | BLDG B

UNITS	P0-1	P0-2A	P0-2B	P0-3_A	P0-4_A	P1-1A	P1-1B	P1-2A	P1-2C	P1-3A	P1-3B	P1-4A	P1-4B	P1-5A	P1-6A	P1-6B	P1-7A	P1-7C	P-10	P1-11A	P1-11B	P1-9	P2-1	P2-1B	P2-2	P2-3A	P2-4A	P2-4B	P2-4C	P2-5	P2-5B	P2-5C	P2-6	P2-7A	P2-7B	P2-7C	P2-7D	P2-7E	P2-8	P2-9	P2-10	P2-11	P2-12	P3-1	P3-2A	P3-2B	P3-2C	TOTALS
UNIT SQFT	368	519	554	552	508	537	537	561	611	570	569	619	619	635	718	718	731	606	694	1,011	1,011	754	856	987	890	865	919	1,025	1,025	962	1,254	1,254	1,054	1,122	1,122	1,176	1,414	1,254	1,260	1,369	1,074	1,181	1,182	1,160	1,341	1,341	1,394	
BALCONY SQFT	53	87	53	53	53	53	53	52	53	53	53	53	53	53	53	53	53	66	53	53	53	300	53	53	108	88	53	53	53	159	159	159	236	107	107	53	159	159	310	107	157	210	53	371	106	106	53	
LEVEL 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 UNITS
LEVEL 2	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	1	0	0	9 UNITS
LEVEL 3	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	1	0	0	0	0	0	0	1	9 UNITS
LEVEL 4	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	1	0	9 UNITS
LEVEL 5	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9 UNITS
LEVEL 6	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	9 UNITS
LEVEL 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3 UNITS
TOTALS	1	2	3	0	0	2	3	0	0	2	2	2	3	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	3	0	0	1	3	3	3	0	0	2	1	1	1	0	0	1	1	1	48 UNITS
PERCENTAGE	2.1%	4.2%	6.3%	0.0%	0.0%	4.2%	6.3%	0.0%	0.0%	4.2%	4.2%	4.2%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	0.0%	0.0%	2.1%	6.3%	6.3%	6.3%	0.0%	0.0%	4.2%	2.1%	2.1%	2.1%	0.0%	0.0%	2.1%	2.1%	2.1%	
PRIVATE OPEN SPACE																																															4,619 SQFT
RENTABLE AREA	368	1,038	1,662	0	0	1,074	1,611	0	0	1,140	1,138	1,238	1,857	0	0	0	0	0	0	0	0	754	5,136	0	0	0	0	0	0	2,886	0	0	1,054	3,366	3,366	3,528	0	0	2,520	1,369	1,074	1,181	0	0	1,341	1,341	1,394	41,436 SQFT
UNIT TYPE	**STUDIO**					**JR / 1BED**									**1BED +DEN**								**2BED**																						**3 BED**				
TOTAL UNITS	**6**					**14**									**1**								**24**																						**3**				**48 UNITS**
UNIT MIX	**12.5%**					**29.2%**									**2.1%**								**50.0%**																						**6.3%**				**100.0%**
AVG SQFT	**511**					**576**									**0**								**1,062**																						**1,359**				**848 SQFT**

UNIT DATA TOTAL | BLDG A + BLDG B

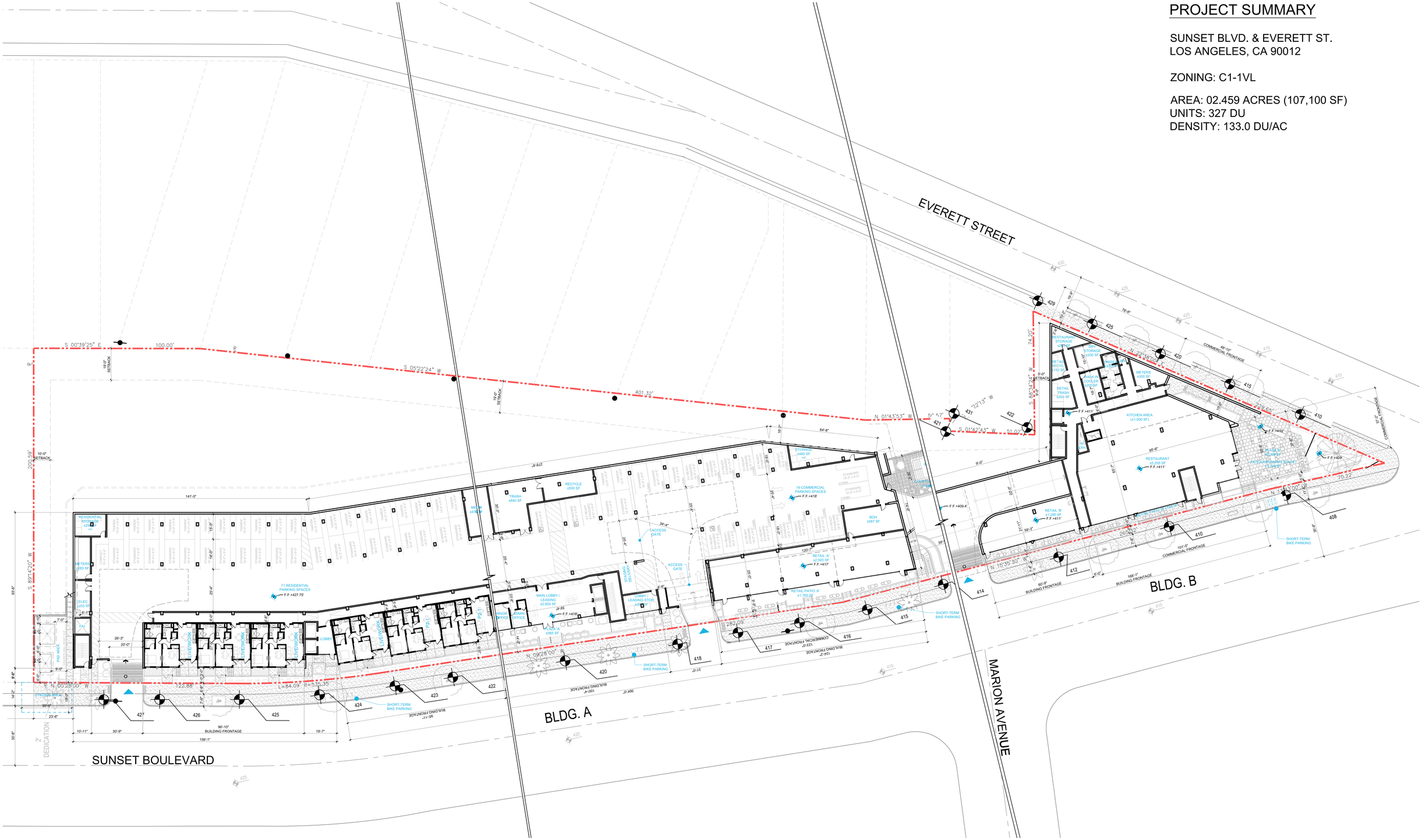
UNITS	P0-1	P0-2A	P0-2B	P0-3_A	P0-4A	P1-1A	P1-1B	P1-2A	P1-2C	P1-3A	P1-3B	P1-4A	P1-4B	P1-5A	P1-6A	P1-6B	P1-7A	P1-7C	P1-10	P1-11A	P1-11B	P1-9	P2-1	P2-1B	P2-2	P2-3A	P2-4A	P2-4B	P2-4C	P2-5	P2-5B	P2-5C	P2-6	P2-7A	P2-7B	P2-7C	P2-7D	P2-7E	P2-8	P2-9	P2-10	P2-11	P2-12	P3-1	P3-2A	P3-2B	P3-2C	TOTALS
UNIT SQFT	368	519	554	552	508	537	537	561	611	570	569	619	619	635	718	718	731	606	694	1,011	1,011	754	856	987	890	865	919	1,025	1,025	962	1,254	1,094	1,054	1,122	1,122	1,176	1,414	1,254	1,260	1,369	1,021	1,181	1,182	1,160	1,341	1,341	1,394	
BALCONY SQFT	53	87	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	66	53	53	53	300	53	53	108	88	53	53	53	159	159	159	236	107	107	53	159	159	310	107	157	210	53	371	106	106	53	
LEVEL 1 (G3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6 UNITS
LEVEL 2	1	0	1	1	0	0	1	19	0	0	0	0	1	1	2	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	1	0	2	0	0	1	0	0	0	0	0	1	0	0	60 UNITS
LEVEL 3	0	1	0	1	1	1	0	19	1	1	0	1	0	1	10	12	1	0	2	1	0	0	0	0	0	1	0	1	1	0	0	0	0	2	0	1	0	0	0	1	0	0	1	0	0	0	1	62 UNITS
LEVEL 4	0	0	1	1	0	0	1	19	0	0	1	0	1	1	1	21	1	0	2	0	1	0	0	0	0	1	0	1	1	0	0	0	0	0	3	0	0	0	1	0	0	0	0	1	0	0	1	60 UNITS
LEVEL 5	0	1	0	1	0	1	0	10	2	1	0	1	0	1	0	11	1	0	1	0	0	0	0	0	0	1	2	0	0	3	0	0	1	0	9	0	1	1	0	0	0	0	1	1	0	0	0	51 UNITS
LEVEL 6	0	0	1	1	0	0	1	10	0	0	1	0	1	1	0	11	1	1	1	0	0	1	3	0	0	1	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	50 UNITS
LEVEL 7	0	0	0	1	0	0	0	10	0	0	0	0	0	1	0	11	1	0	1	0	0	0	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	38 UNITS
TOTALS	1	2	3	6	1	2	3	87	3	2	2	2	3	6	13	87	6	1	9	1	2	1	13	1	6	6	2	3	3	12	1	1	1	3	12	3	1	1	2	1	1	1	5	2	1	1	1	327 UNITS
PERCENTAGE	0.3%	0.6%	0.9%	1.8%	0.3%	0.6%	0.9%	26.6%	0.9%	0.6%	0.6%	0.6%	0.9%	1.8%	4.0%	26.6%	1.8%	0.3%	2.8%	0.3%	0.6%	0.3%	4.0%	0.3%	1.8%	1.8%	0.6%	0.9%	0.9%	3.7%	0.3%	0.3%	0.3%	0.9%	3.7%	0.9%	0.3%	0.3%	0.6%	0.3%	0.3%	0.3%	1.5%	0.6%	0.3%	0.3%	0.3%	
PRIVATE OPEN SPACE																																															22,459 SQFT
RENTABLE AREA	368	1,038	1,662	3,312	508	1,074	1,611	48,807	1,833	1,140	1,138	1,238	1,857	3,810	9,334	62,466	4,386	606	6,246	1,011	2,022	754	11,128	987	5,340	5,190	1,838	3,075	3,075	11,544	1,254	1,094	1,054	3,366	13,464	3,528	1,414	1,254	2,520	1,369	1,021	1,181	5,910	2,320	1,341	1,341	1,394	243,223 SQFT
UNIT TYPE	**STUDIO**					**JR / 1BED**									**1BED +DEN**								**2 BEDROOM**																						**3 BEDROOM**				
TOTAL UNITS	**13**					**110**									**120**								**79**																						**5**				**327 UNITS**
UNIT MIX	**4.0%**					**33.6%**									**36.7%**								**24.2%**																						**1.5%**				**100.0%**
AVG SQFT	**530**					**568**									**724**								**1,020**																						**1,279**				**744 SQFT**
						649																																										

PROJECT SUMMARY

SUNSET BLVD. & EVERETT ST.
LOS ANGELES, CA 90012

ZONING: C1-1VL

AREA: 02.459 ACRES (107,100 SF)
UNITS: 327 DU
DENSITY: 133.0 DU/AC



ktgy

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Vancouver, BC, Canada V6J 1G1

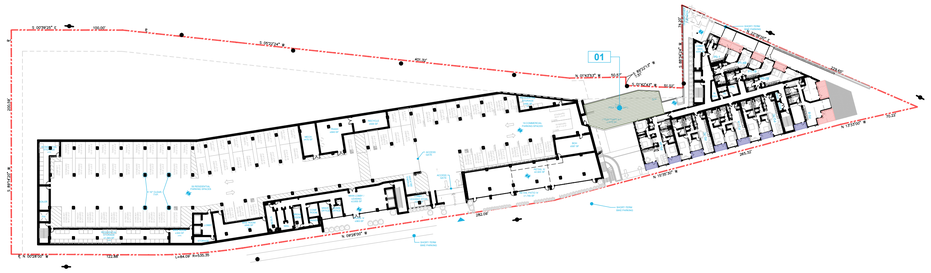
SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

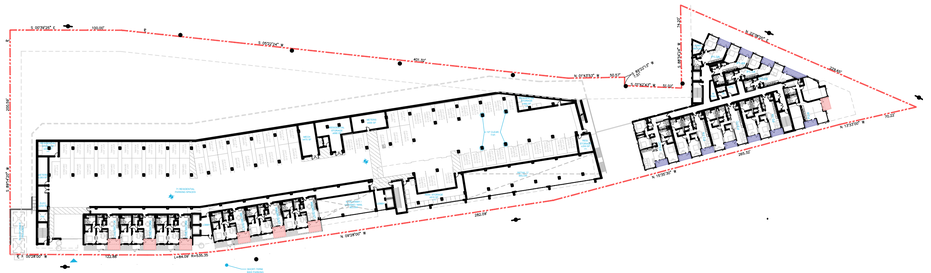
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL SITE PLAN
PROJECT SUMMARY

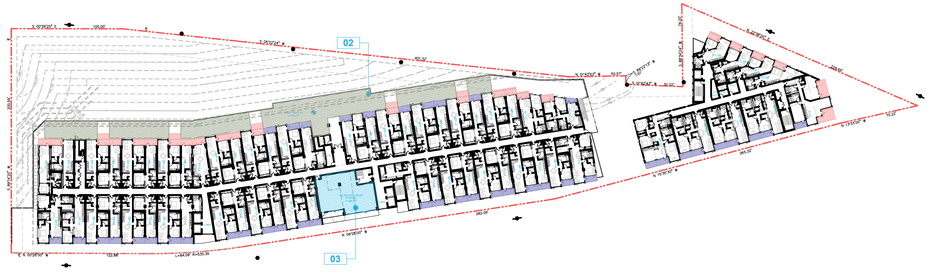
A1-0



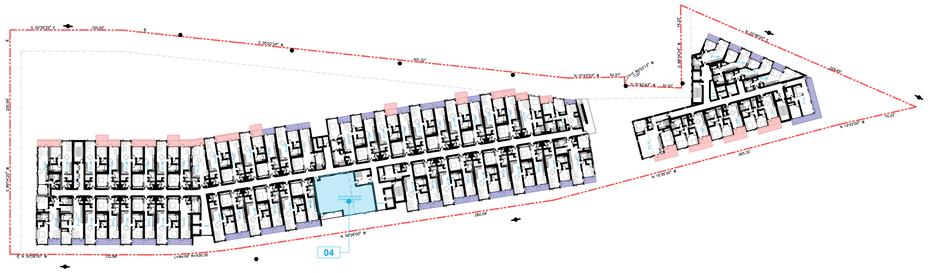
BLDG 'A' // LEVEL G2



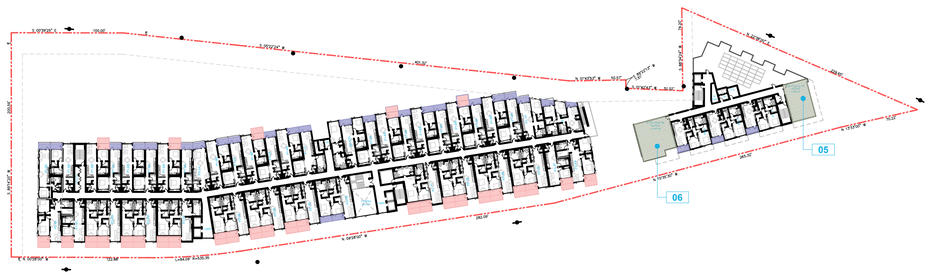
BLDG 'B' // LEVEL 02



BLDG 'A' // LEVEL 02



BLDG 'B' // LEVEL 04

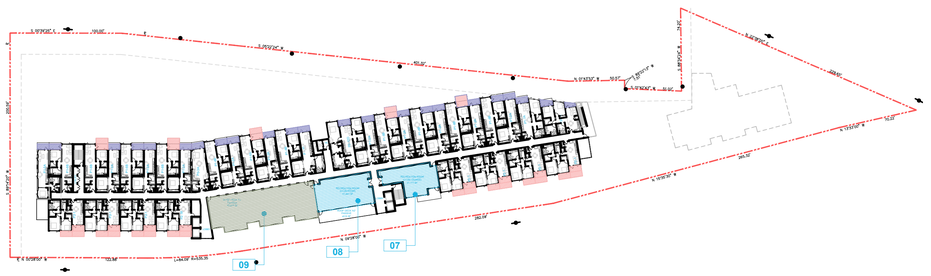


BLDG 'A' // LEVEL 05

OPEN SPACE | BUILDING 'A'			
REQUIRED		**OPEN SPACE**	
STUDIO	7	100 PER UNIT	700
1 BEDROOM	215	100 PER UNIT	21,500
2 BEDROOM	55	125 PER UNIT	6,875
3 BEDROOM	2	175 PER UNIT	350
	279 UNITS	**REQUIRED OPEN SPACE**	**29,425 SF**

OPEN SPACE | BUILDING 'B'			
REQUIRED		**OPEN SPACE**	
STUDIO	6	100 PER UNIT	600
1 BEDROOM	15	100 PER UNIT	1,500
2 BEDROOM	24	125 PER UNIT	3,000
3 BEDROOM	3	175 PER UNIT	525
	48 UNITS	**REQUIRED OPEN SPACE**	**5,625 SF**

OPEN SPACE | BUILDING 'A' + 'B'			
REQUIRED		**OPEN SPACE**	
STUDIO	13	100 PER UNIT	1,300
1 BEDROOM	230	100 PER UNIT	23,000
2 BEDROOM	79	125 PER UNIT	9,875
3 BEDROOM	5	175 PER UNIT	875
	327 UNITS	**REQUIRED OPEN SPACE**	35,050 SF
		30% REDUCTION	**10,515 SF**
		TOTAL REQUIRED:	24,535 SF



BLDG 'A' // LEVEL 07

PROVIDED	OPEN SPACE
125 PRIVATE DECKS (compliance to 50sf max.)	6,250 SF
COURTYARD 'A1' - L2	5,950 SF
COURTYARD 'A2' - G2	1,630 SF
ROOF DECK 'A1' - L7	2,975 SF
ROOF DECK 'B1' - L7	758 SF
ROOF DECK 'B2' - L7	1,064 SF
INDOOR AMENITIES *(up to max. 25% of total req.)*	5,913 SF
TOTAL	**24,540 SF**
202 PRIVATE DECKS (Noncompliance)	10,100 SF

BLDG 'B' // LEVEL 07

BUILDING 'A' // AMENITIES			
PROVIDED	**L2 FLOOR**	**L4 FLOOR**	**L7 FLOOR**
REC. RM. (FITNESS)	1,680 SF		
REC. RM. (COMMUNITY ROOM)		1,680 SF	
REC. RM. (CLUB ROOM)			1,442 SF
REC. RM. (CLUB LOUNGE)			1,111 SF
TOTAL	**1,680 SF**	**1,680 SF**	**2,553 SF**
PROVIDED	**5,913 SF**		

BUILDING 'B' // AMENITIES				
PROVIDED	**G2 FLOOR**	**L2 FLOOR**	**L4 FLOOR**	**L7 FLOOR**
NONE	0 SF	0 SF	0 SF	0 SF
TOTAL	**0 SF**	**0 SF**	**0 SF**	**0 SF**
PROVIDED	**0 SF**			

AREA LEGEND

01 COURTYARD 'A2' - G2
02 COURTYARD 'A1' - L1
03 FITNESS
04 COMMUNITY ROOM
05 ROOF DECK 'B1'
06 ROOF DECK 'B2'
07 CLUB LOUNGE
08 CLUB ROOM
09 ROOF DECK 'A1'

OPEN SPACE

OPEN SPACE		AREA
REQUIRED OPEN SPACE	327 DU	**35,050 SF**
	INCENTIVE: 30% REDUCTION	**10,515 SF**
	TOTAL REQUIRED	**24,535 SF**
PROVIDED OPEN SPACE (COMPLIANT)	BLDG 'A': 104 PVT DECKS *(compliant to 50 sf max.)*	5,200 SF
	COURTYARD 'A1' - L2	5,950 SF
	COURTYARD 'A2' - G2	1,630 SF
	ROOF DECK 'A1' - L7	2,975 SF
	BLDG 'B': 21 PVT DECKS *(compliant to 50 sf max.)*	1,050 SF
	ROOF DECK 'B1' - L7	758 SF
	ROOF DECK 'B2' - L7	1,064 SF
	INDOOR AMENITIES *(up to max. 25% of total req.)*	5,913 SF
	TOTAL PROVIDED	**24,540 SF**
PROVIDED OPEN SPACE (OTHER OPEN SPACE NOT INCLUDE IN COMMON OPEN SPACE CALCULATION)	BLDG 'A': 175 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	8,750 SF
	PLAZA 'A' - L1	965 SF
	RETAIL PATIO 'A' - L1	1,765 SF
	COURTYARD 'A1' - L2	565 SF
	ROOF DECK 'A2' - L7	515
	BLDG 'B': 27 PVT DECKS *(non-compliant, but meeting 50 sf max.)*	1,350 SF
	PLAZA 'B' - L1 *(commercial outdoor space)*	2,365 SF
	RETAIL PATIO 'B' - L1	750 SF
	TOTAL OTHER OPEN SPACE	**17,025 SF**
TOTAL PROJECT OPEN SPACE		**41,565 SF**

COMMON OPEN SPACE REQUIREMENTS

- EACH AREA MIN 400 SF
- NO DIMENSION ON ANY SIDE LESS THAN 15'
- CONSTITUTE AT LEAST 50% OF THE REQUIRED OPEN SPACE
- RECREATION ROOMS OF AT LEAST 600 SF OR MORE MAY QUALIFY UP TO 25% OF THE REQUIRED OPEN SPACE

COLOR LEGEND

1. OUTDOOR COMMON OPEN SPACE

2. INDOOR COMMON OPEN SPACE

3. PRIVATE OPEN SPACE
– 106 COMPLIANT BALCONIES
WITH 6' MIN DIM IN LENGTH AND WIDTH
(BLDG 'A' : L1 (G3) - L7 + BLDG 'B' : L2 - L7)

4. PRIVATE OPEN SPACE
- 221 NONCOMPLIANT BALCONIES
(BLDG 'A' : L1 (G3) - L7 + BLDG 'B' : L2 - L7)

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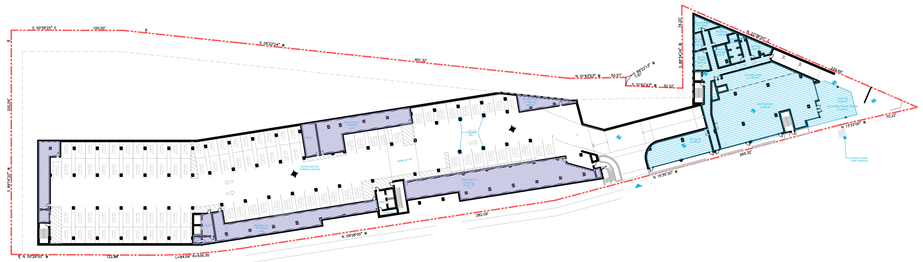
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 32 64 128
Scale: 1" = 64'-0"

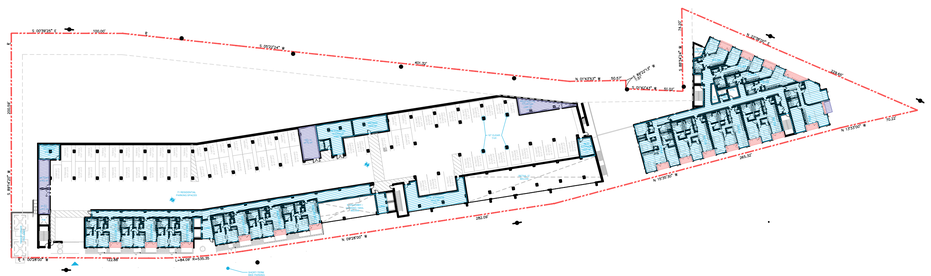
OPEN SPACE EXHIBIT

A1-2



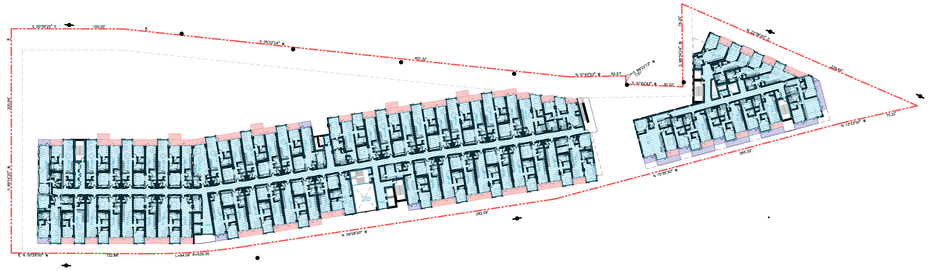
BLDG 'A' // LEVEL G1

BLDG 'A' // LEVEL G2

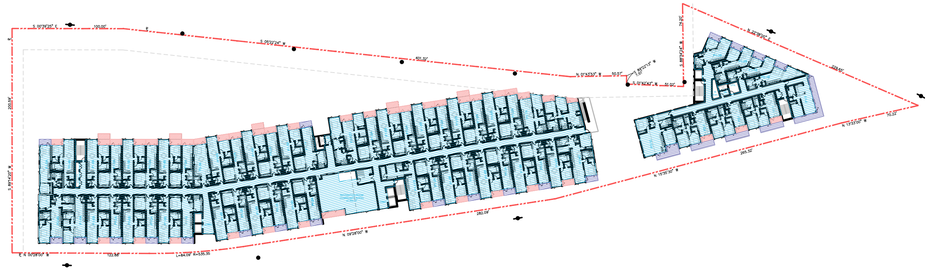


BLDG 'A' // LEVEL 01 (G3)

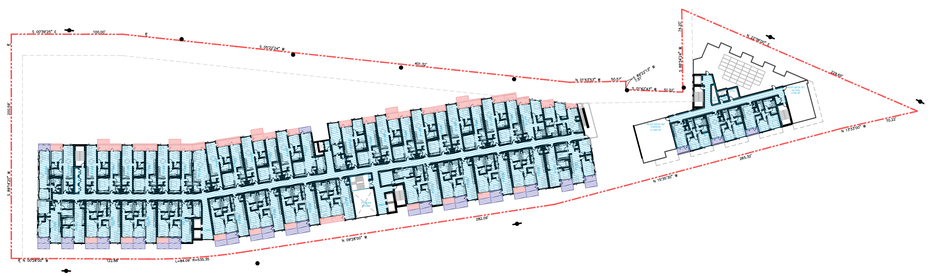
BLDG 'A' // LEVEL 02



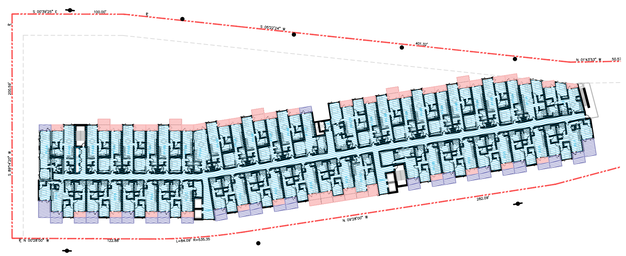
BLDG 'A' // LEVEL 03



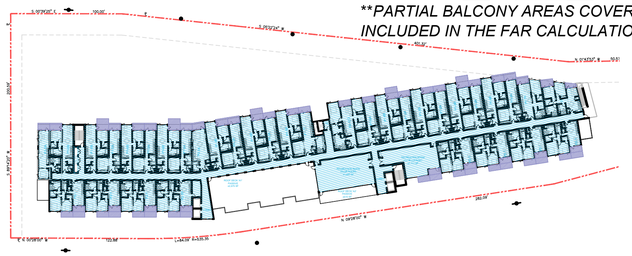
BLDG 'A' // LEVEL 04



BLDG 'A' // LEVEL 05



BLDG 'A' // LEVEL 06



BLDG 'A' // LEVEL 07

BLDG 'B' // LEVEL 01

BLDG 'B' // LEVEL 02

BLDG 'B' // LEVEL 03

BLDG 'B' // LEVEL 04

BLDG 'B' // LEVEL 05

BLDG 'B' // LEVEL 06

BLDG 'B' // LEVEL R

FLOOR AREA RATIO

REQUIRED

SITE AREA: 107,100 SF (2.459 AC)

FLOOR AREA REQUIREMENTS

(Amended by Ord. No. 182,386, Eff. 3/13/13.) The area in square feet confined within the exterior walls of a Building, but not including the area of the following: exterior walls, stairways, shafts, rooms housing Building-operating equipment or machinery, parking areas with associated driveways and ramps, space dedicated to bicycle parking, space for the landing and storage of helicopters, and Basement storage areas.

BUILDING A // FLOOR AREA RATIO			
FLOOR / LEVEL	APARTMENT UNITS	BALC. AREA Covered + 2 Sided (INCL. FAR)	TOTAL FLOOR AREA
Level G1	0 UNITS	0 SF	**0 SF**
Level G2	0 UNITS	0 SF	**6,304 SF**
Level 1 (G3)	6 UNITS	288 SF	**9,774 SF**
Level 2	51 UNITS	3,057 SF	**39,925 SF**
Level 3	53 UNITS	2,863 SF	**39,907 SF**
Level 4	51 UNITS	2,330 SF	**40,362 SF**
Level 5	42 UNITS	2,420 SF	**37,847 SF**
Level 6	41 UNITS	2,689 SF	**35,819 SF**
Level 7	35 UNITS	0 SF	**31,751 SF**
Total	**279 UNITS**	13,647 SF	**241,689 SF**

BUILDING B // FLOOR AREA RATIO			
FLOOR / LEVEL	APARTMENT UNITS	BALC. AREA Covered + 2 Sided (INCL. FAR)	TOTAL FLOOR AREA
Level G1	0 UNITS	0 SF	**0 SF**
Level 1	0 UNITS	0 SF	**10,353 SF**
Level 2	9 UNITS	700 SF	**9,936 SF**
Level 3	9 UNITS	675 SF	**9,909 SF**
Level 4	9 UNITS	428 SF	**9,738 SF**
Level 5	9 UNITS	482 SF	**9,770 SF**
Level 6	9 UNITS	160 SF	**8,088 SF**
Level 7	3 UNITS	0 SF	**5,725 SF**
Total	**48 UNITS**	2,445 SF	**63,519 SF**

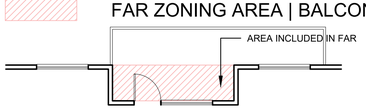
FAR TABLE		
LOT SIZE: 107,100 SQFT		
	FAR	SQFT PERMITTED
C2-1D ZONE	1.5 :1	160,650 SF
AB 2345 / LAMC	3.0:1	321,300 SF
PROPOSED	**3.0 :1**	**321,300 SF**

COLOR LEGEND

FAR ZONING AREA | INTERIOR

EXEMPT FROM FAR | BALCONIES

FAR ZONING AREA | BALCONIES



***PARTIAL BALCONY AREAS COVERED ON 3 SIDES ARE INCLUDED IN THE FAR CALCULATION*

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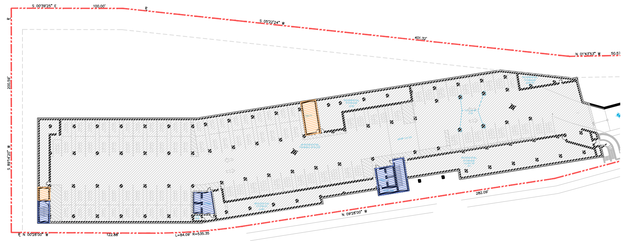
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

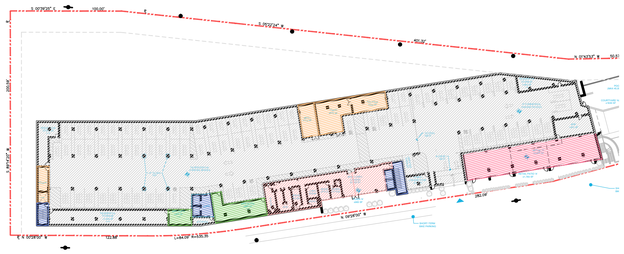
0 32 64 128
Scale: 1" = 64'-0"

FAR EXHIBIT

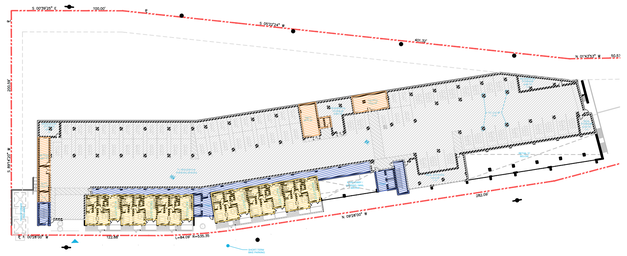
A1-3



BLDG 'A' // LEVEL G1



BLDG 'A' // LEVEL G2



BLDG 'A' // LEVEL 1 (G3)

BLDG 'A' // LEVEL 02

BLDG 'A' // LEVEL 03

BLDG 'A' // LEVEL 04

BLDG 'A' // LEVEL 05

BLDG 'A' // LEVEL 06

BLDG 'A' // LEVEL 07

COLOR LEGEND

1. RESIDENTIAL AREA
2. RETAIL AREA
3. AMENITY AREA
4. CIRCULATION & COMMON AREAS
5. PARKING AREA
6. SERVICE AREA
7. LOBBY / MAIL

BUILDING AREA

LEVEL G1

- CIRCULATION:	1314 SQ. FT.
- SERVICE:	537 SQ. FT.
- PARKING:	42786 SQ. FT.
TOTAL:	44637 SQ. FT.

LEVEL G2

- CIRCULATION:	1054 SQ. FT.
- AMENITY:	1154 SQ. FT.
- LOBBY / MAIL:	2855 SQ. FT.
- RETAIL:	2919 SQ. FT.
- SERVICE:	2092 SQ. FT.
- PARKING:	34830 SQ. FT.
TOTAL:	44905 SQ. FT.

LEVEL 1 (G3)

- RESIDENTIAL:	4860 SQ. FT.
- CIRCULATION:	2863 SQ. FT.
- SERVICE:	1665 SQ. FT.
- PARKING:	30998 SQ. FT.
TOTAL:	40387 SQ. FT.

LEVEL 02

- RESIDENTIAL:	34405 SQ. FT.
- AMENITY:	1681 SQ. FT.
- CIRCULATION:	4935 SQ. FT.
- SERVICE:	345 SQ. FT.
TOTAL:	41367 SQ. FT.

LEVEL 03

- RESIDENTIAL:	35988 SQ. FT.
- CIRCULATION:	4979 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	41172 SQ. FT.

LEVEL 04

- RESIDENTIAL:	34869 SQ. FT.
- AMENITY:	1681 SQ. FT.
- CIRCULATION:	4903 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	41658 SQ. FT.

LEVEL 05

- RESIDENTIAL:	33993 SQ. FT.
- CIRCULATION:	4946 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	39144 SQ. FT.

LEVEL 06

- RESIDENTIAL:	32099 SQ. FT.
- CIRCULATION:	4677 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	36981 SQ. FT.

LEVEL 07

- RESIDENTIAL:	25146 SQ. FT.
- AMENITY:	2553 SQ. FT.
- CIRCULATION:	4769 SQ. FT.
- SERVICE:	205 SQ. FT.
TOTAL:	32673 SQ. FT.

BUILDING AREA TOTAL: ±362,924 SQ. FT.

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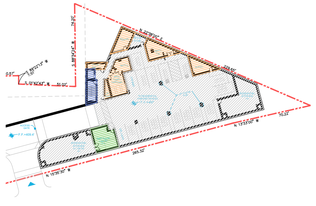
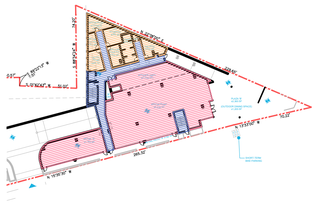
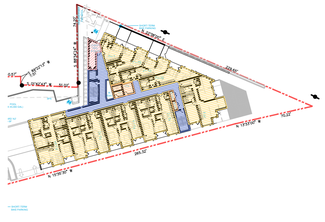
CBC BUILDING AREA EXHIBIT
BUILDING 'A'



BLDG 'B' // LEVEL G1



BLDG 'B' // LEVEL 01



BLDG 'B' // LEVEL 02

BLDG 'B' // LEVEL 03

BLDG 'B' // LEVEL 04

BLDG 'A' // LEVEL 05

BLDG 'B' // LEVEL 06

BLDG 'B' // LEVEL 07

COLOR LEGEND

1. RESIDENTIAL AREA
2. RETAIL AREA
3. AMENITY AREA
4. CIRCULATION & COMMON AREAS
5. PARKING AREA
6. SERVICE AREA
7. LOBBY / MAIL

BUILDING AREA

LEVEL G1

- CIRCULATION:	299 SQ. FT.
- SERVICE:	1637 SQ. FT.
- AMENITY:	460 SQ. FT.
- PARKING:	9154 SQ. FT.
TOTAL:	11551 SQ. FT.

LEVEL 01

- CIRCULATION:	1661 SQ. FT.
- COMMERCIAL:	6542 SQ. FT.
- SERVICE:	1840 SQ. FT.
TOTAL:	10043 SQ. FT.

LEVEL 02

- RESIDENTIAL:	8153 SQ. FT.
- LOBBY / MAIL:	235 SQ. FT.
- CIRCULATION:	1650 SQ. FT.
- SERVICE:	293 SQ. FT.
TOTAL:	10330 SQ. FT.

LEVEL 03

- RESIDENTIAL:	8428 SQ. FT.
- CIRCULATION:	1578 SQ. FT.
- SERVICE:	293 SQ. FT.
TOTAL:	10299 SQ. FT.

LEVEL 04

- RESIDENTIAL:	8246 SQ. FT.
- CIRCULATION:	1578 SQ. FT.
- SERVICE:	293 SQ. FT.
TOTAL:	10116 SQ. FT.

LEVEL 05

- RESIDENTIAL:	7366 SQ. FT.
- CIRCULATION:	1518 SQ. FT.
- SERVICE:	253 SQ. FT.
TOTAL:	9137 SQ. FT.

LEVEL 06

- RESIDENTIAL:	6675 SQ. FT.
- CIRCULATION:	1518 SQ. FT.
- SERVICE:	253 SQ. FT.
TOTAL:	8446 SQ. FT.

LEVEL 07

- RESIDENTIAL:	2568 SQ. FT.
- CIRCULATION:	1425 SQ. FT.
- SERVICE:	253 SQ. FT.
TOTAL:	4246 SQ. FT.

BUILDING AREA TOTAL: ±74,168 SQ. FT.

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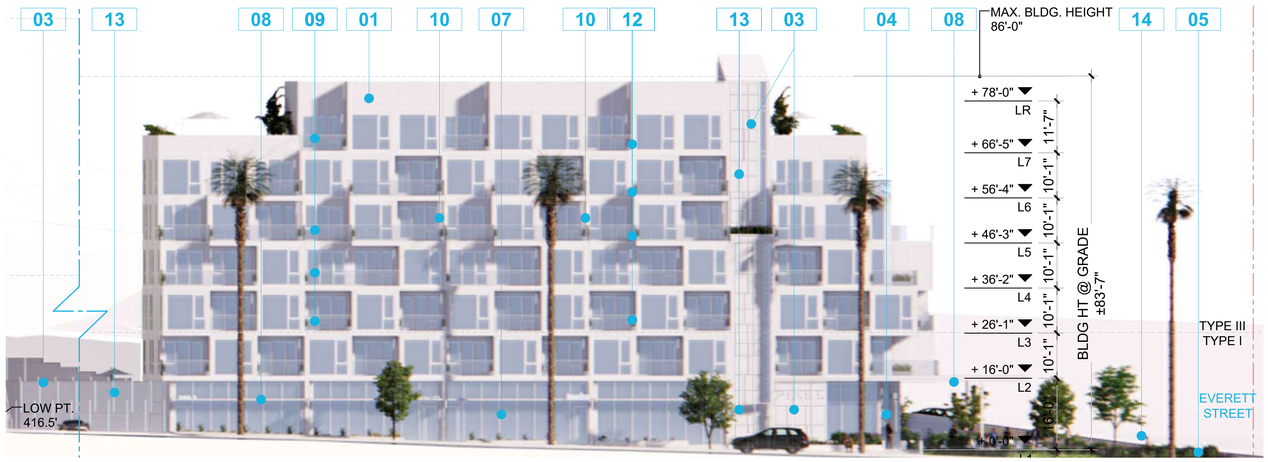
Scale: 1" = 64'-0"

CBC BUILDING AREA EXHIBIT
BUILDING 'B'

BUILDING A + B | COMPOSITE ELEVATION 'A' // WEST
SCALE: 1/32" = 1'-0"

BUILDING A | ELEVATION 'A' // WEST



BUILDING B | ELEVATION 'A' // WEST

CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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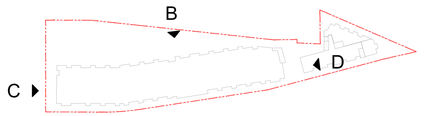
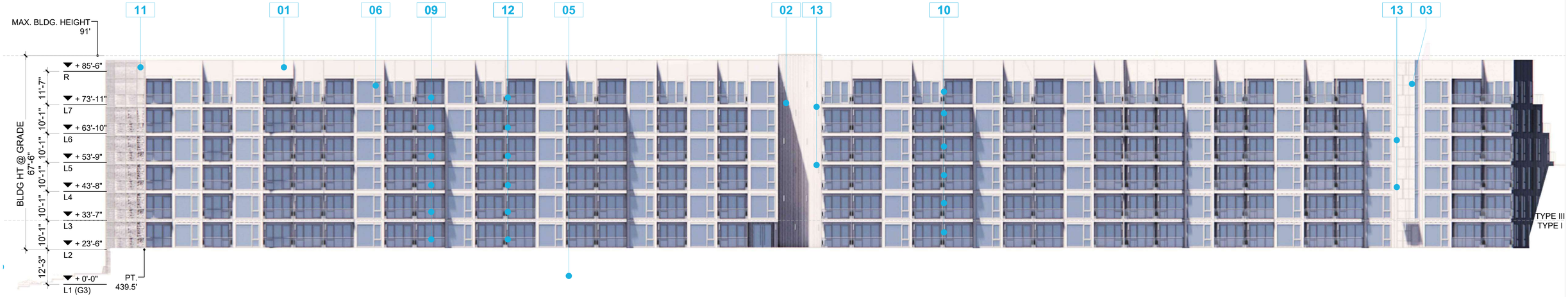
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

BUILDING ELEVATIONS
BUILDINGS 'A' + 'B' // WEST

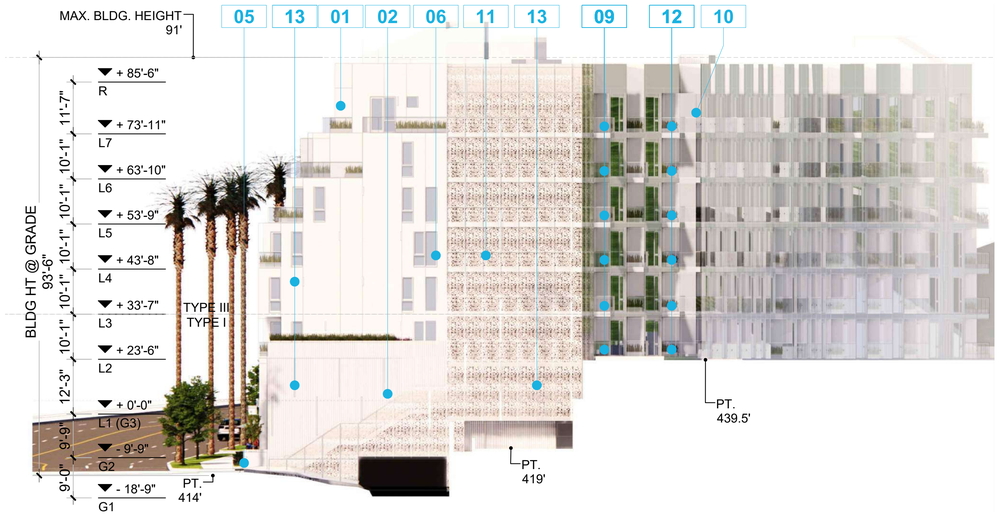
A2-0





BUILDING A | ELEVATION 'B' // EAST

BUILDING A | ELEVATION 'C' // NORTH



BUILDING A | ELEVATION 'D' // SOUTH

CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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LOS ANGELES, CALIFORNIA # 2022-0634

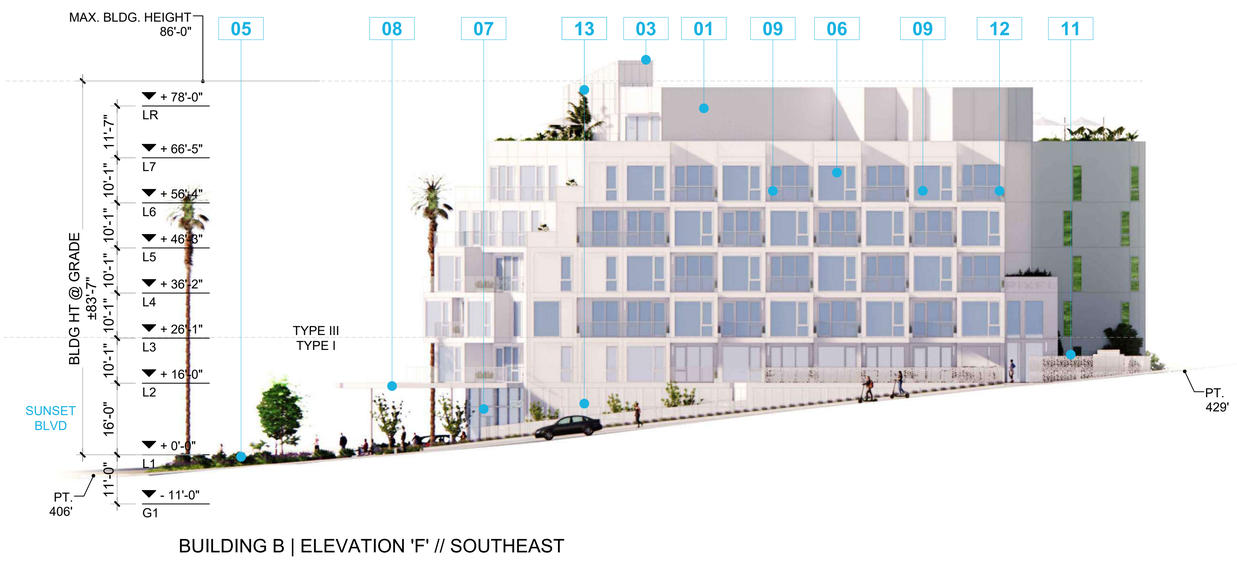
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

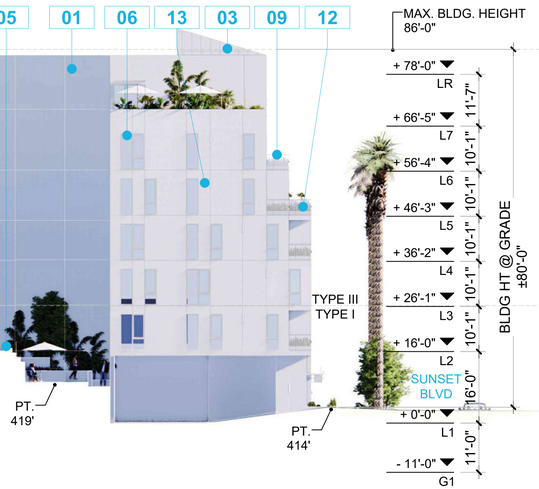
BUILDING ELEVATIONS
BUILDING 'A' // NORTH + EAST + SOUTH

A2-1

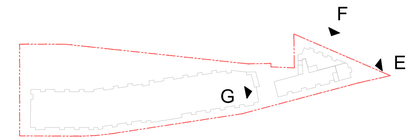
BUILDING B | ELEVATION 'E' // SOUTH



BUILDING B | ELEVATION 'F' // SOUTHEAST



BUILDING B | ELEVATION 'G' // NORTH



CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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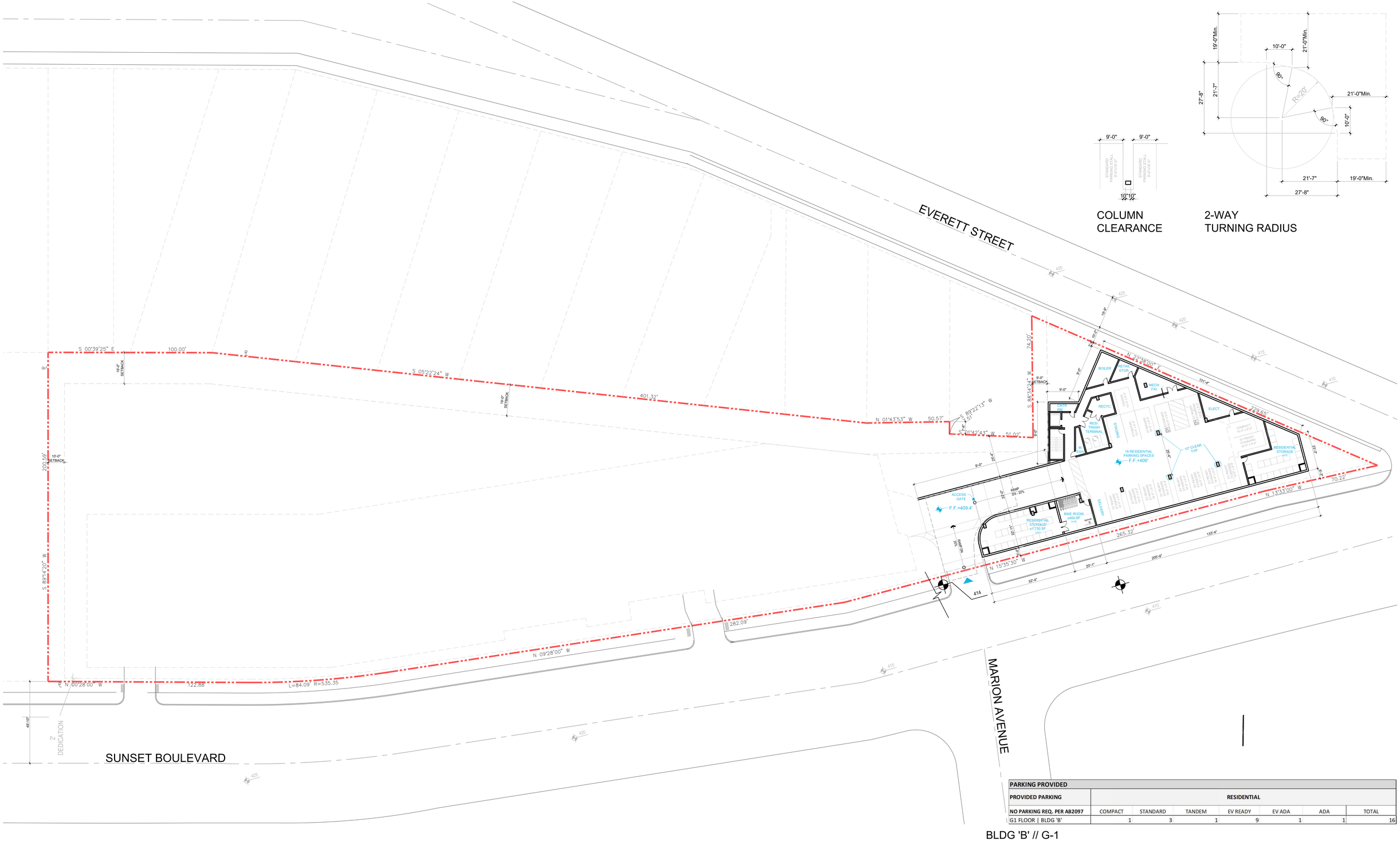
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 8 16 32

BUILDING ELEVATIONS
BUILDING 'B' // NORTH + EAST + SOUTH

A2-2



COLUMN CLEARANCE

2-WAY TURNING RADIUS

PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G1 FLOOR | BLDG 'B'	1	3	1	9	1	1	16

BLDG 'B' // G-1

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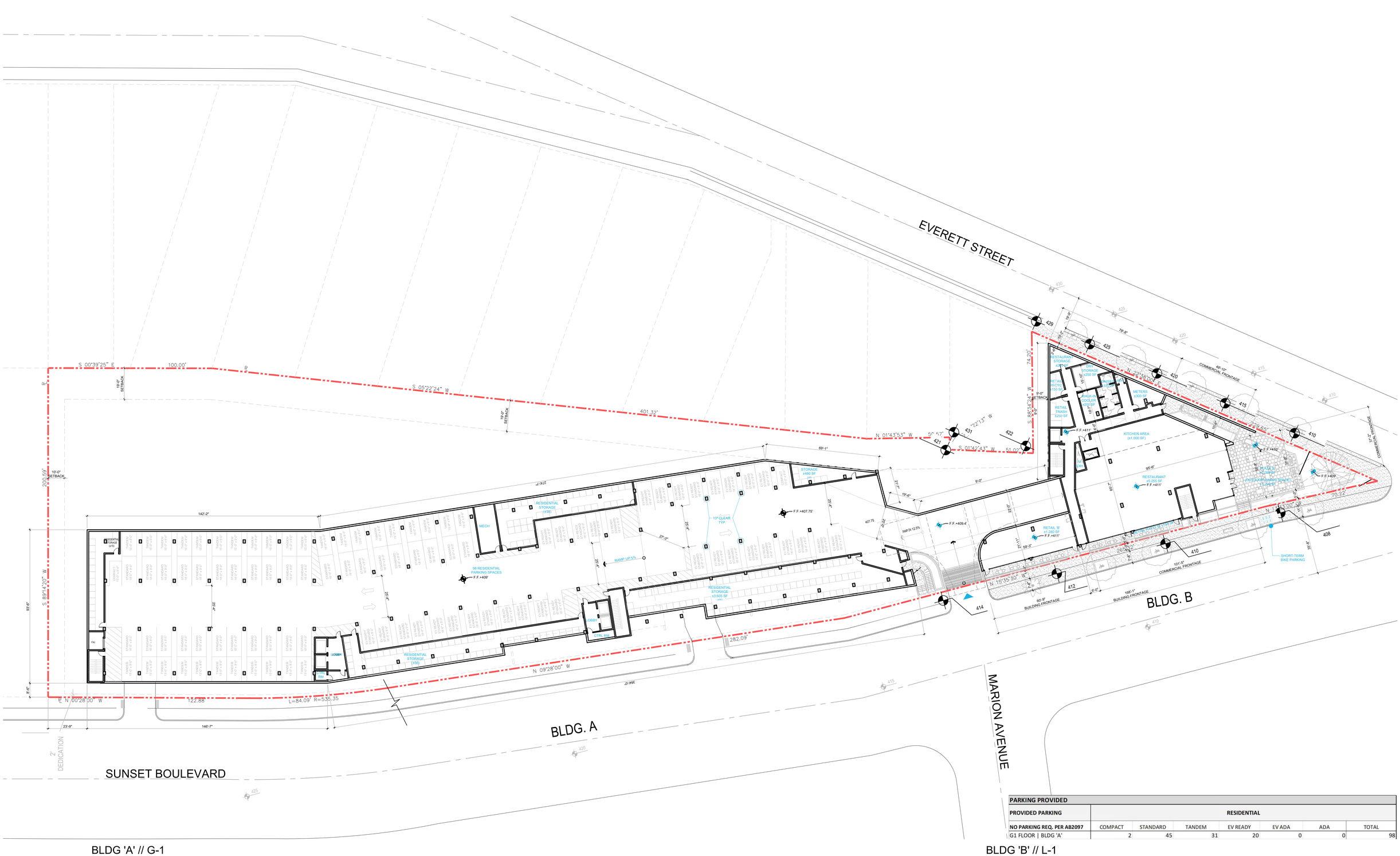
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'B' // G-1

A3-0



PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G1 FLOOR | BLDG 'A'	2	45	31	20	0	0	98

BLDG 'A' // G-1

BLDG 'B' // L-1

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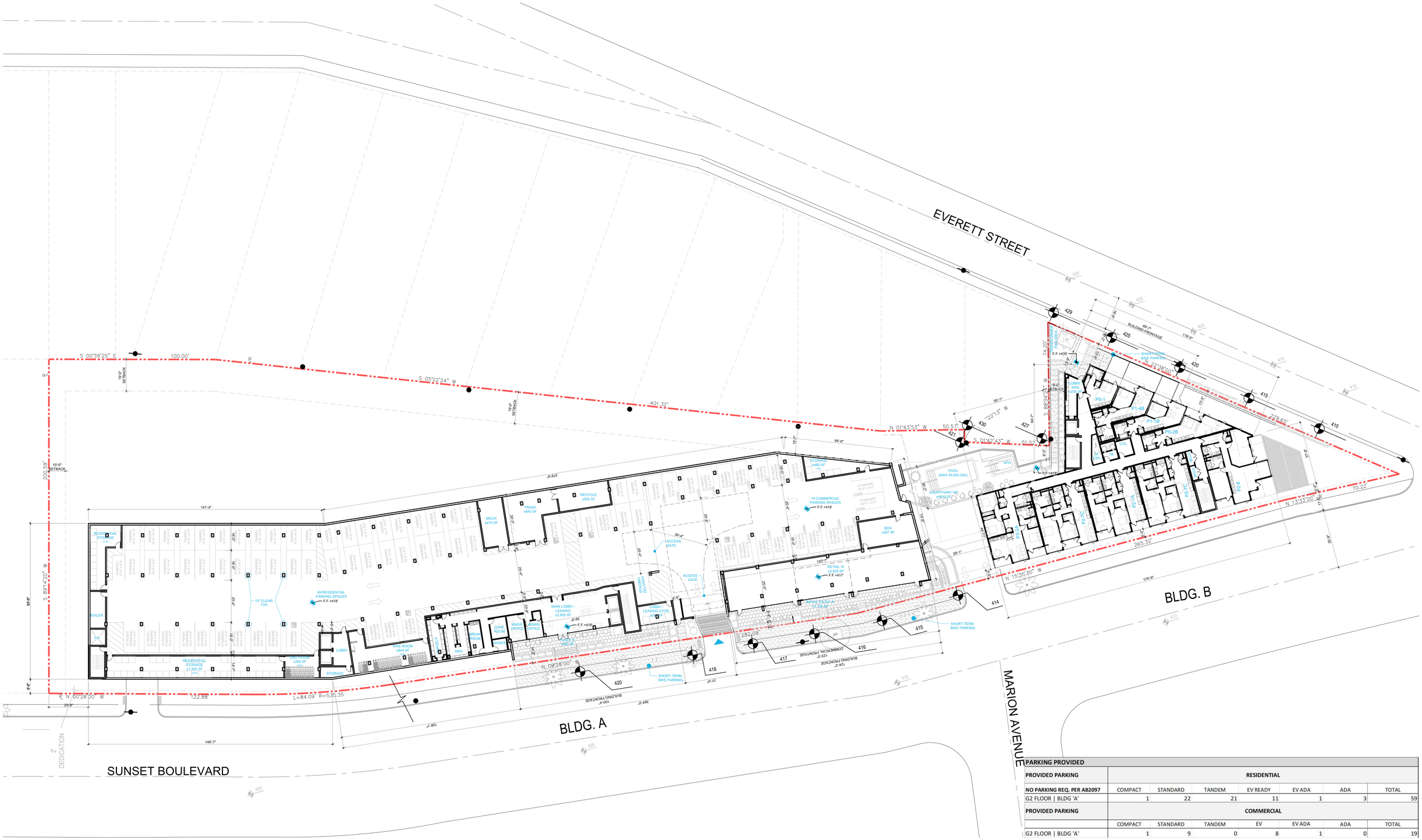
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : G-1 // BLDG 'B' : L-1

A3-1



PARKING PROVIDED							
PROVIDED PARKING	**RESIDENTIAL**						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	22	21	11	1	3	59
PROVIDED PARKING	**COMMERCIAL**						
	COMPACT	STANDARD	TANDEM	EV	EV ADA	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	9	0	8	1	0	19

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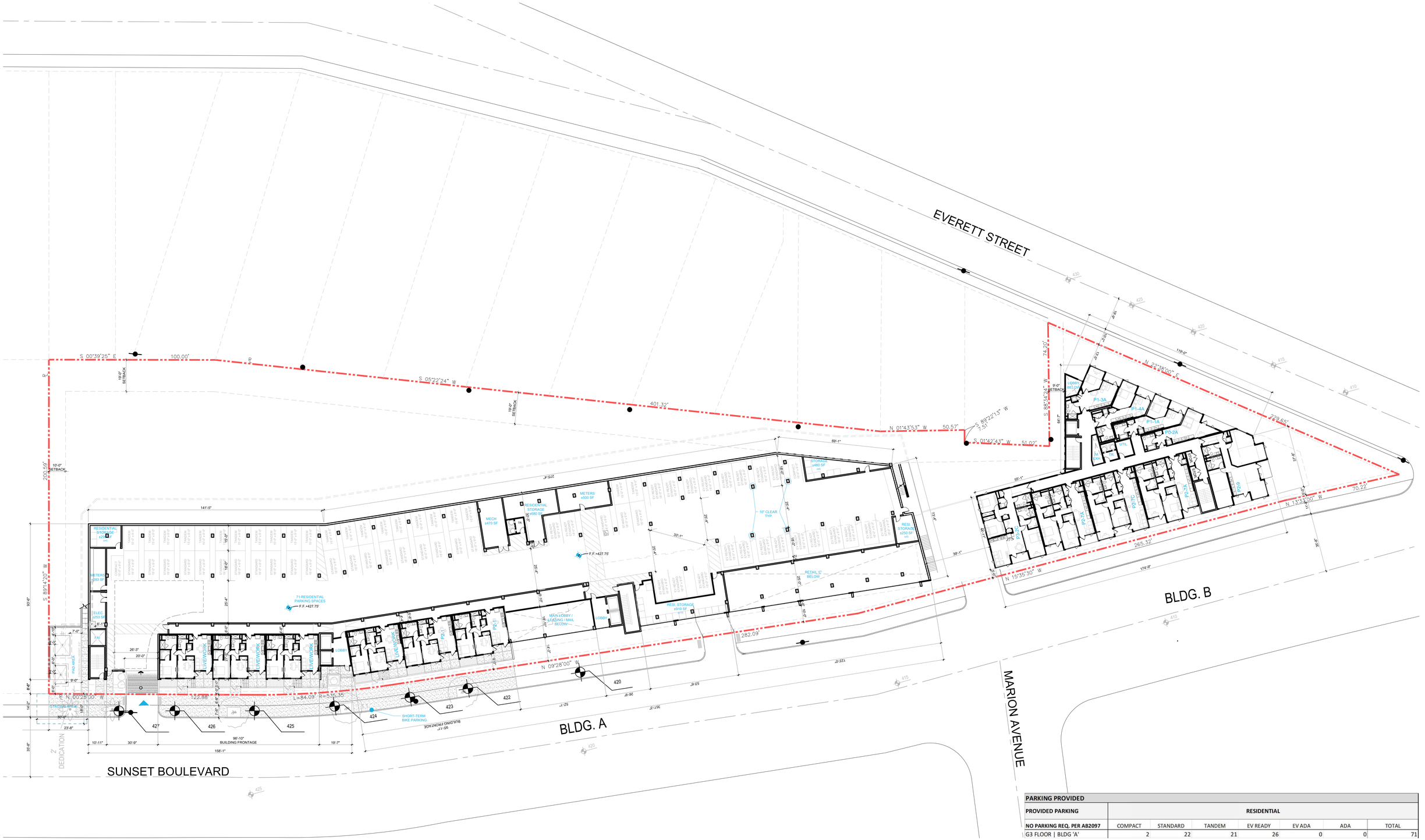
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : G-2 // BLDG 'B' : L-2

A3-2



PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
NO PARKING REQ. PER AB2097	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G3 FLOOR | BLDG 'A'	2	22	21	26	0	0	71

BLDG 'A' // L-1 (G-3)

BLDG 'B' // L-3

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CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

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Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : G-3 // BLDG 'B' : L-3

A3-3

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FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-1 // BLDG 'B' : L-4

A3-4

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FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-2 // BLDG 'B' : L-5

A3-5

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FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-3 // BLDG 'B' : L-6

A3-6

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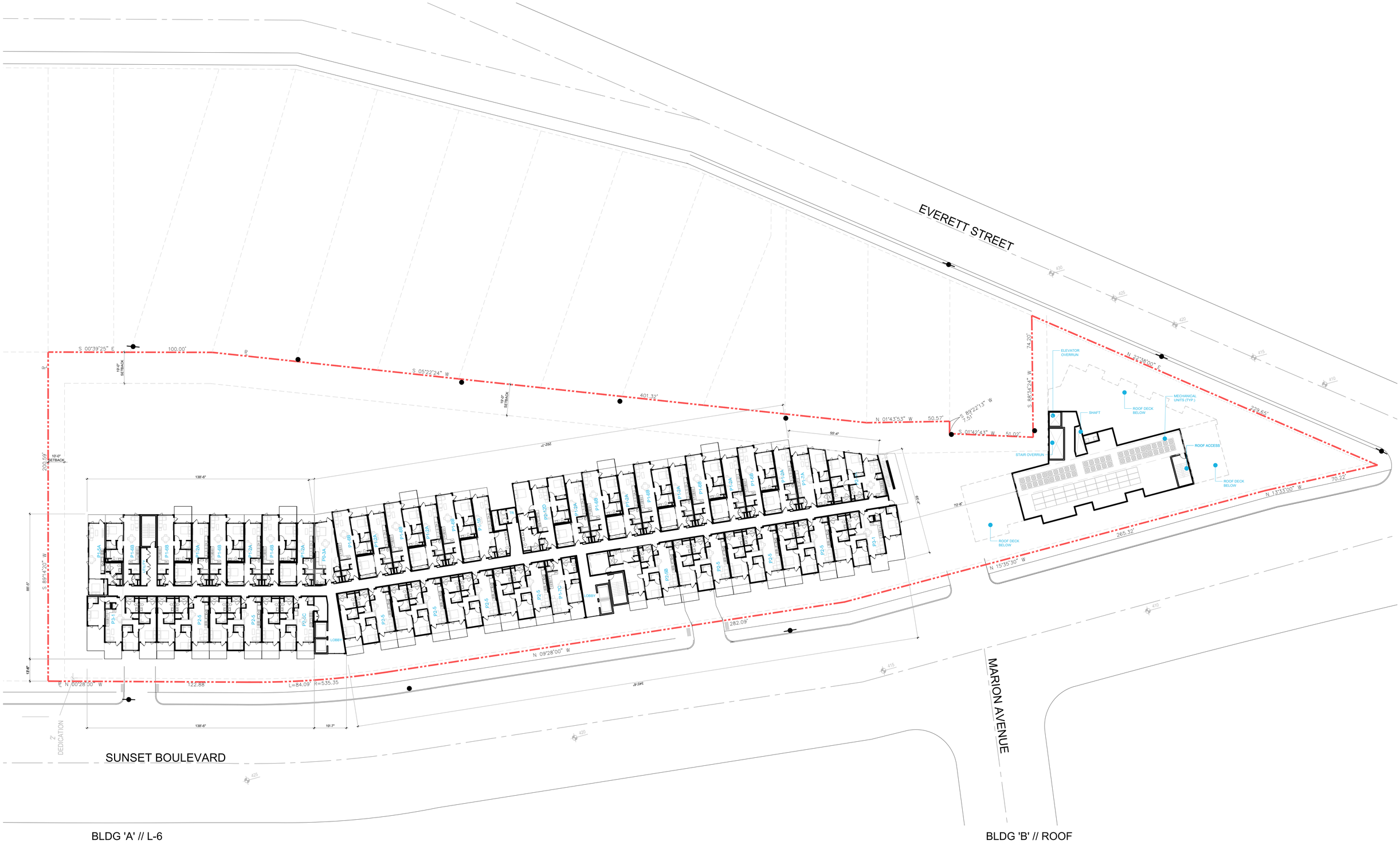
0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-4 // BLDG 'B' : ROOF

A3-7



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CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-5

A3-8

EVERETT STREET

SUNSET BOULEVARD

MARION AVENUE

BLDG 'A' // L-7

S 00°39'25" E	100.00'	
S 05°22'24" W	401.32'	
N 01°43'53" W	50.57'	
S 89°22'13" W	1.51'	
S 01°42'43" W	51.02'	
S 89°14'20" W	74.00'	
N 22°36'00" E	229.65'	
N 13°33'00" W	70.22'	
N 15°35'30" W	265.32'	
N 09°28'00" W	282.09'	
N 00°28'00" W	122.88'	
L=84.09' R=535.35'		
S 89°14'20" W	200.59'	

10'-0" SETBACK

19'-6" SETBACK

19'-6" SETBACK

2' DEDICATION

RECREATION ROOM (CLUB ROOM) ±1,442 SF

ROOF DECK 'A' PASSIVE ±2,975 SF

ROOF DECK 'B' PASSIVE ±511 SF

RECREATION ROOM (CLUB LOUNGE) ±1,111 SF

LOBBY

LOBBY

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CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

0 12 1/2 25 50
Scale: 1" = 25'-0"

CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-6

A3-9

EVERETT STREET

SUNSET BOULEVARD

MARION AVENUE

S 00°39'25" E 100.00'

10'-0" SETBACK

S 05°22'24" W 401.32'

10'-0" SETBACK

N 01°43'53" W 50.57'

S 89°22'13" W 1.51'

S 01°42'43" W 51.02'

S 89°14'20" W 74.00'

N 22°36'00" E 229.65'

N 13°33'00" W 70.22'

N 15°35'30" W 265.32'

N 09°28'00" W 282.09'

N 80°26'00" W 122.88'

L=84.09' R=535.35'

10'-0" SETBACK

200'-5"

S 89°14'20" W 78'-5"

23'-6"

138'-6"

138'-0"

19'-7"

2' DEDICATION

ROOF ACCESS

SLOPE

SHAFT

SLOPE

SLOPE

SLOPE

SLOPE

MECHANICAL UNITS (TYP.)

GROSS ROOF AREA
32734 SQ. FT.

TYP. HVAC ±4' TALL

ROOF DECK BELOW

ELEVATOR OVERRUN

ROOF ACCESS

ELEVATOR OVERRUN

BLDG 'A' // ROOF

BLDG 'B' // G-1

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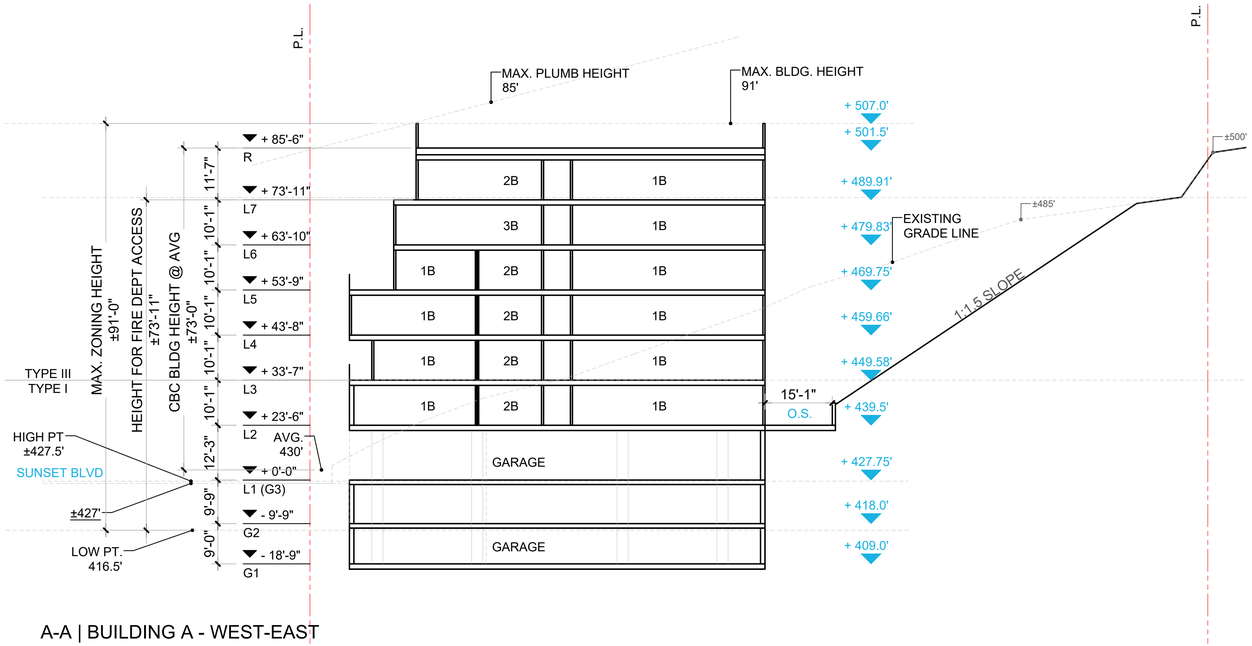
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

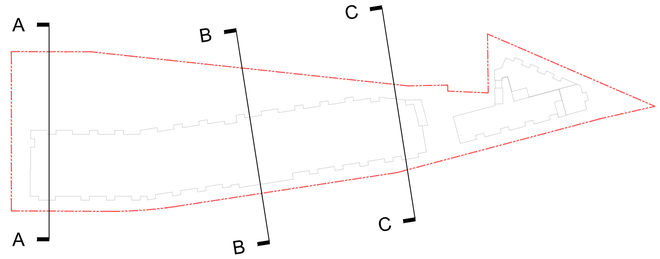
0 12 1/2 25 50
Scale: 1" = 25'-0"

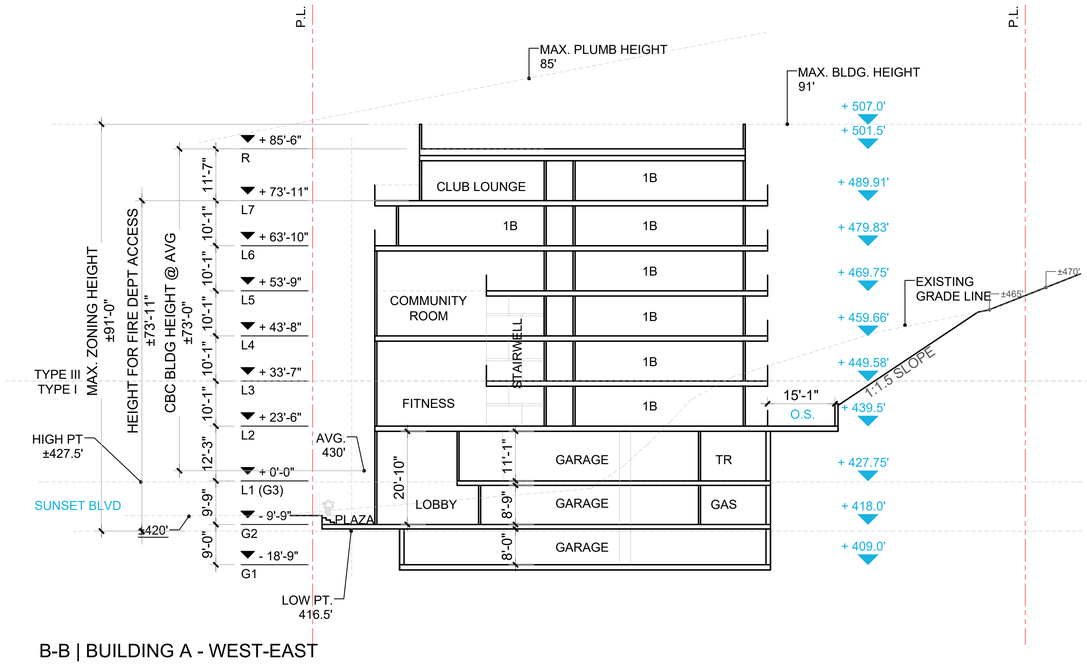
CONCEPTUAL BUILDING PLANS
BLDG 'A' : L-R

A3-10

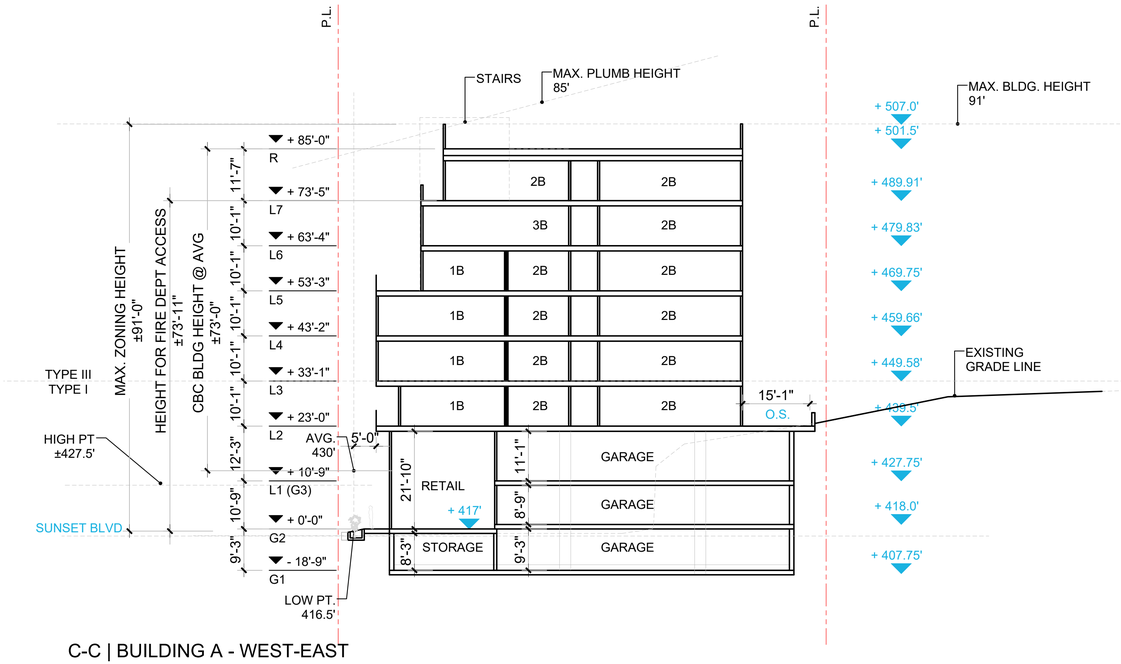


A-A | BUILDING A - WEST-EAST





B-B | BUILDING A - WEST-EAST



C-C | BUILDING A - WEST-EAST

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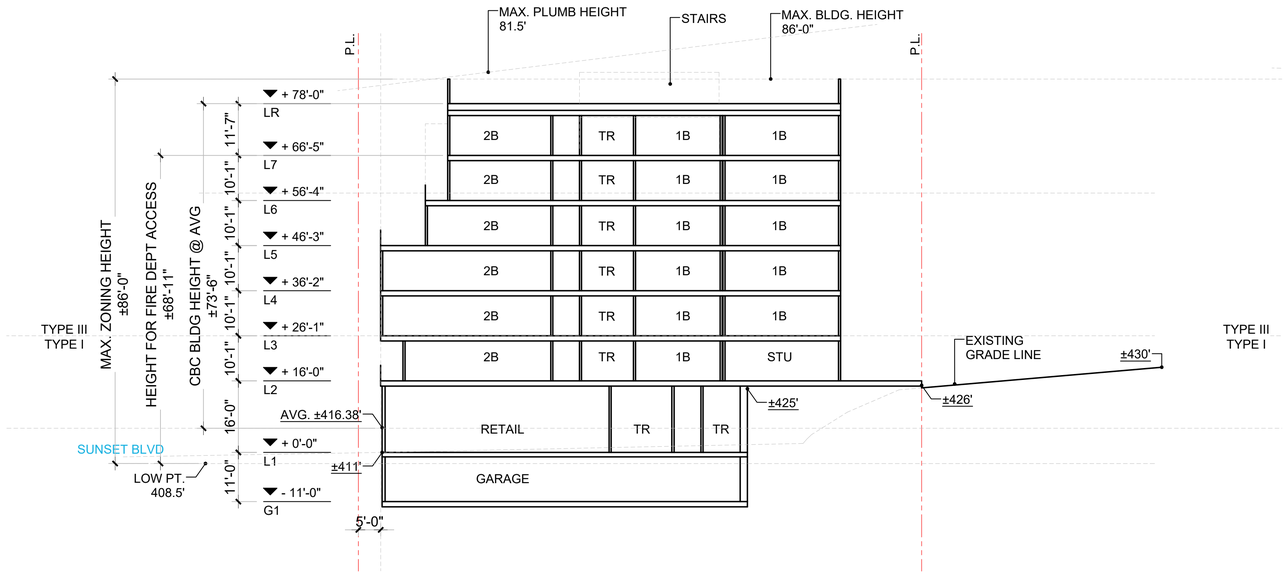
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

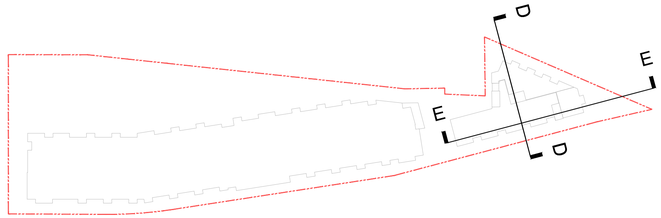
0 8 16 32

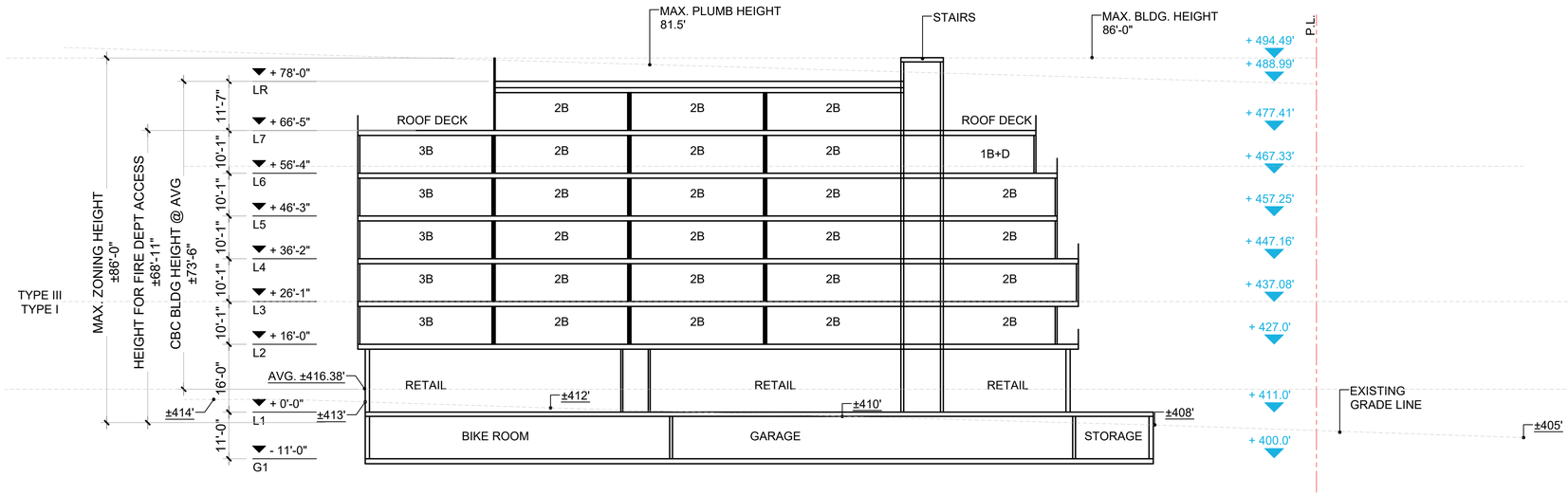
BUILDING SECTIONS
BUILDING A

A4-0



D-D | BUILDING B - WEST-EAST





E-E | BUILDING B - NORTH-SOUTH

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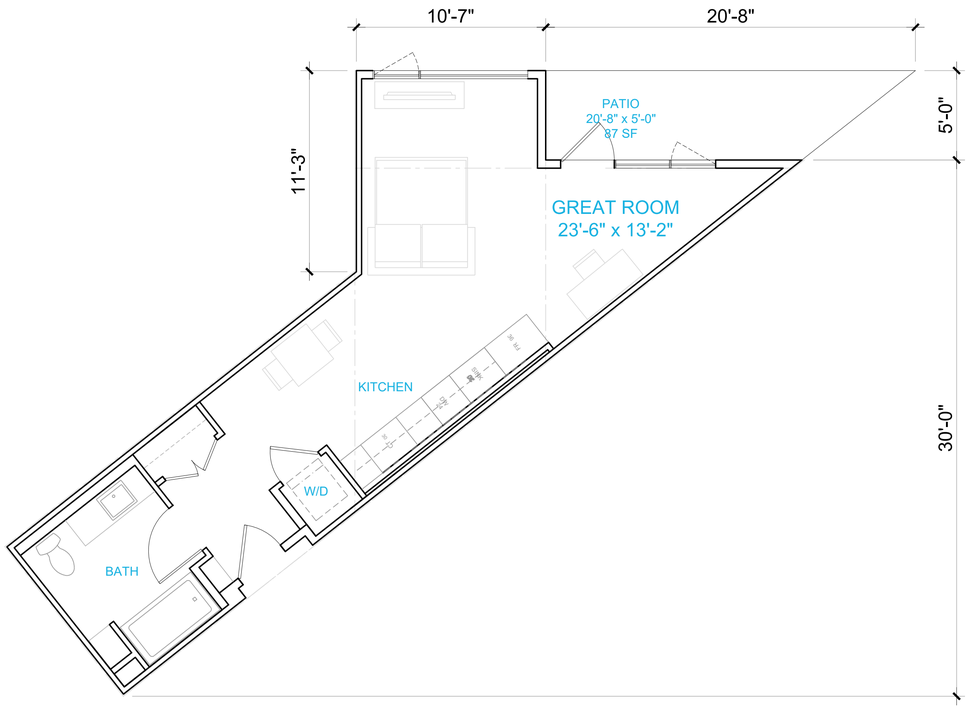
FEBRUARY 6, 2024

0 8 16 32

BUILDING SECTIONS
BUILDING 'B'

A4-1

PLAN 0-1
STUDIO
1 BATH
368 SF



PLAN 0-2A
STUDIO
1 BATH
519 SF

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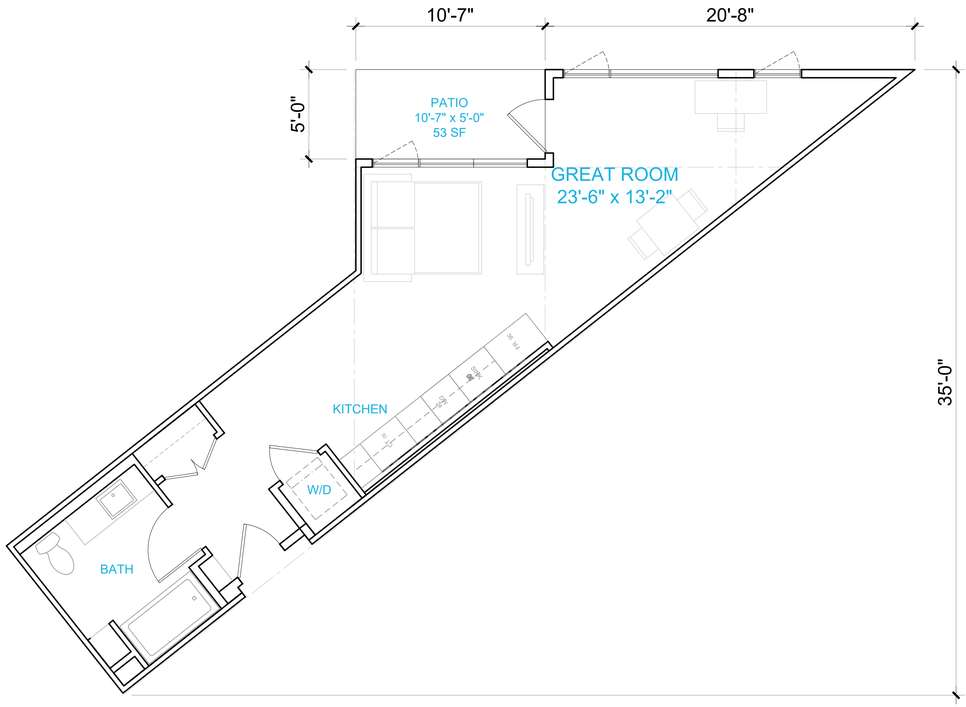
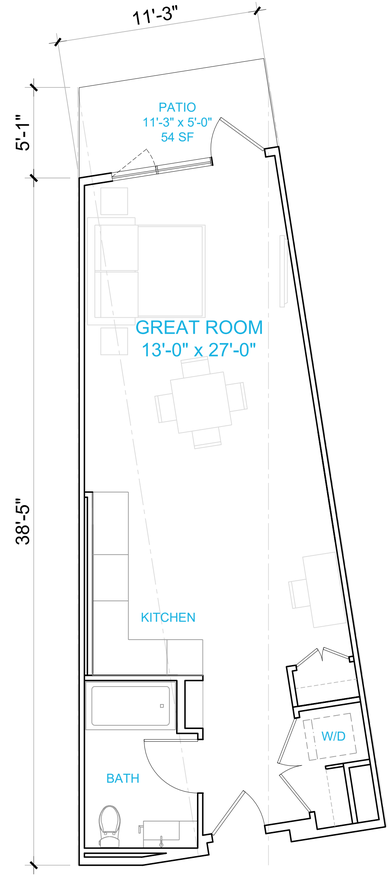
0 2 4 8

UNIT PLANS
STUDIO

A5-0



PLAN 0-2B
STUDIO
1 BATH
554 SF



PLAN 0-3A
STUDIO
1 BATH
552 SF

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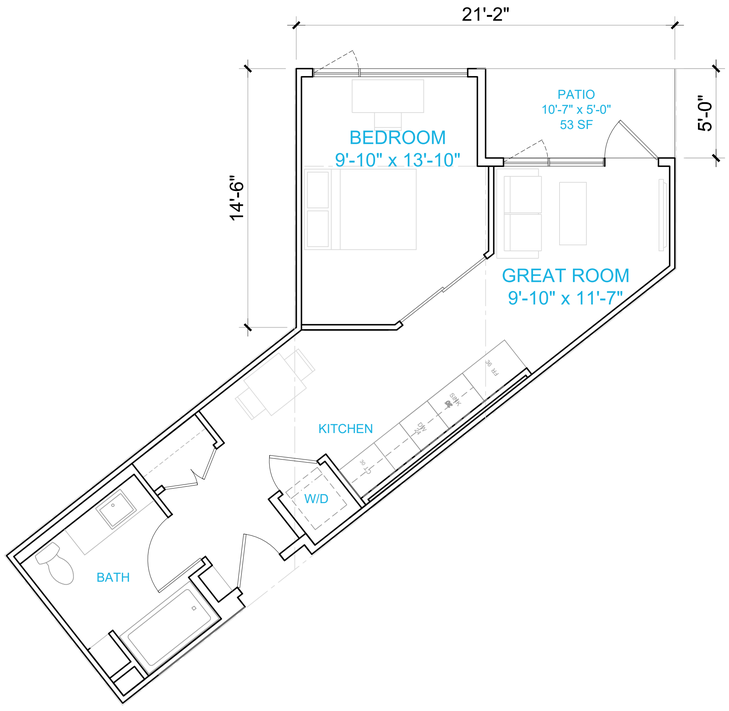
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

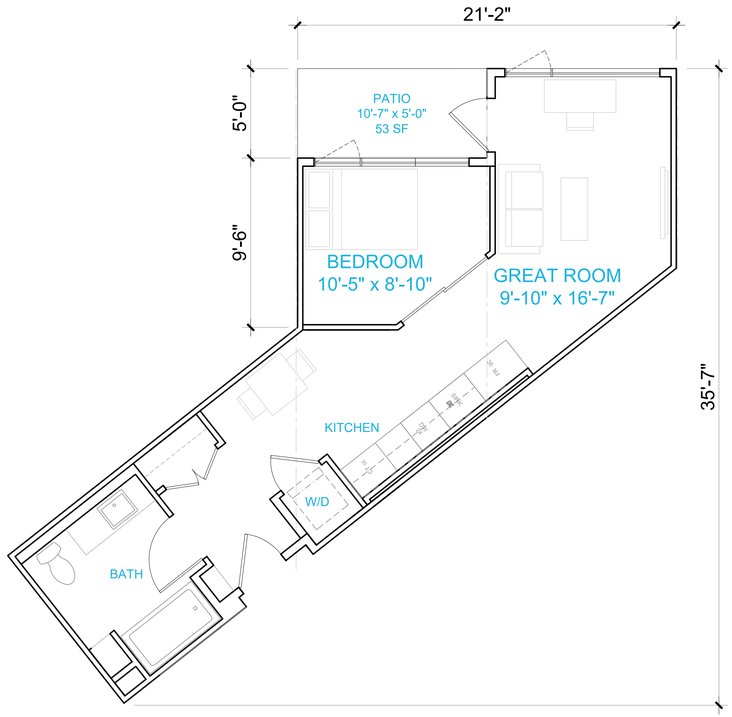
0 2 4 8

UNIT PLANS
STUDIO

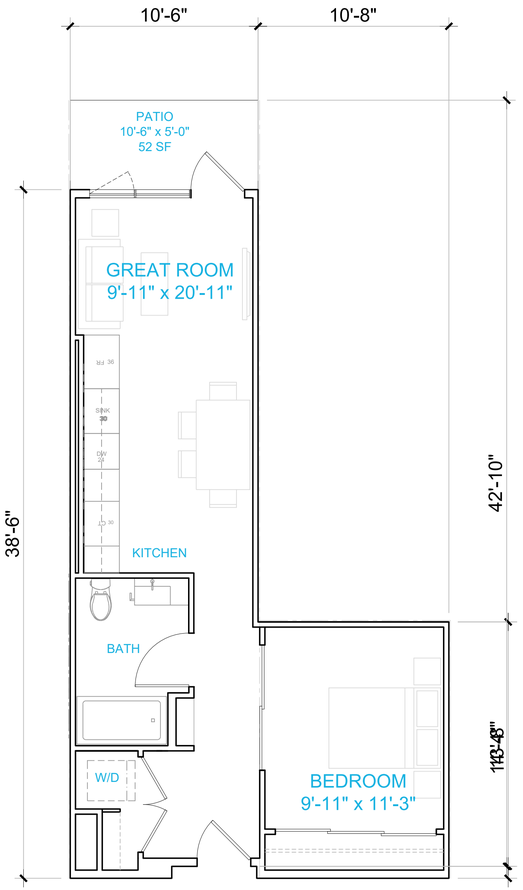
A5-1



PLAN 1-1A
1 BED
1 BATH
537 SF



PLAN 1-1B
1 BED
1 BATH
537 SF



PLAN 1-2A
1 BED
1 BATH
561 SF

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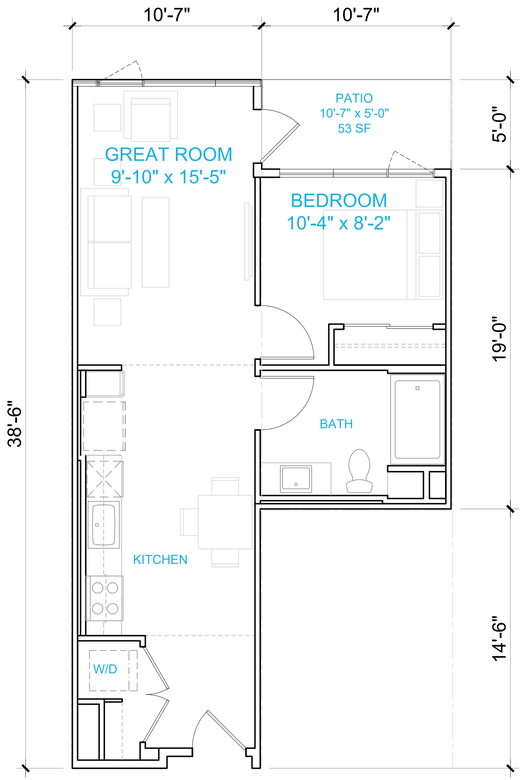
CONCEPT DESIGN // PIXEL
FEBRUARY 6, 2024

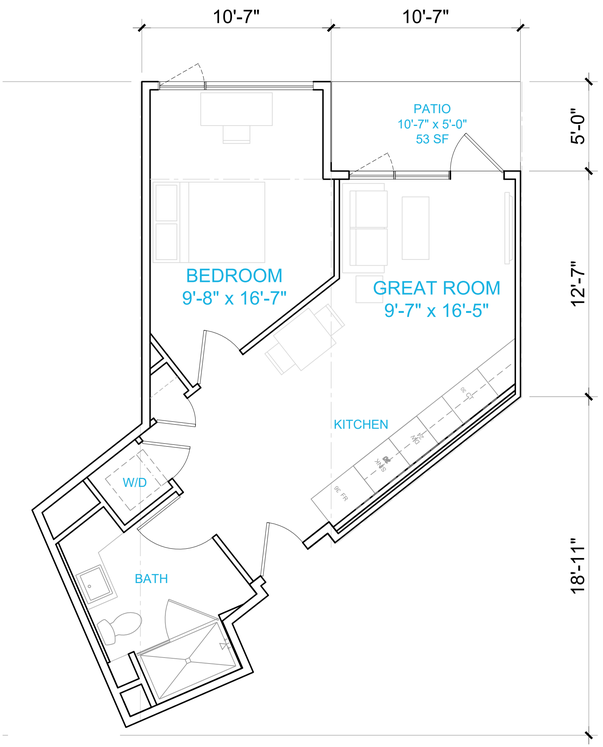
0 2 4 8

UNIT PLANS
1-BEDROOM

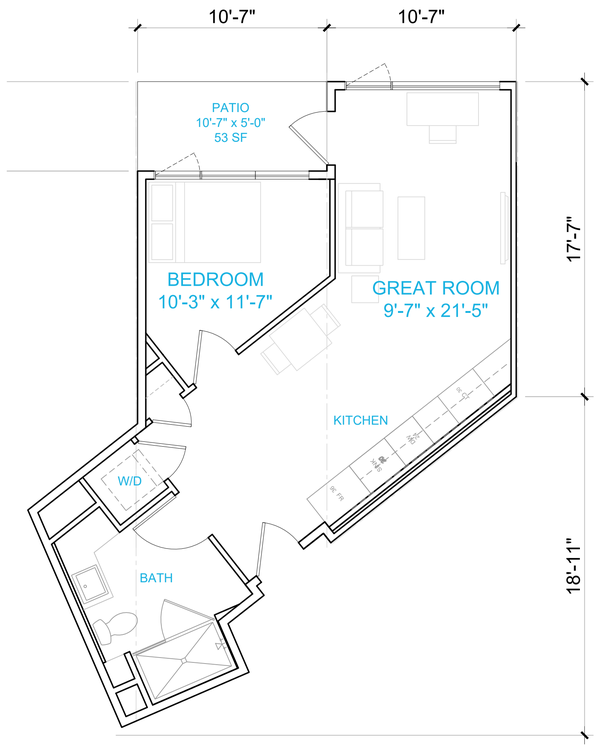
A5-2



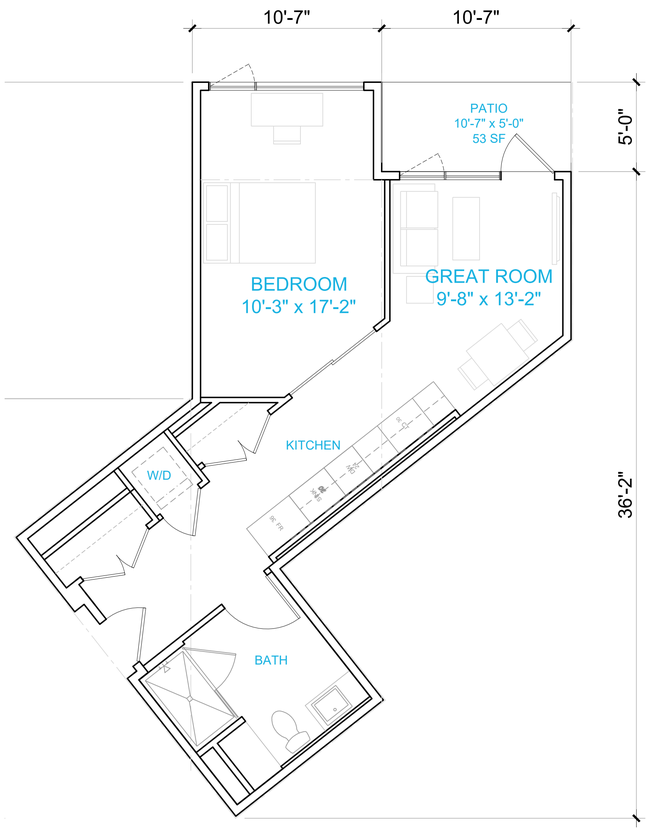
PLAN 1-2C
1 BED
1 BATH
611 SF



PLAN 1-3A
1 BED
1 BATH
579 SF



PLAN 1-3B
1 BED
1 BATH
578 SF



PLAN 1-4A
1 BED
1 BATH
619 SF

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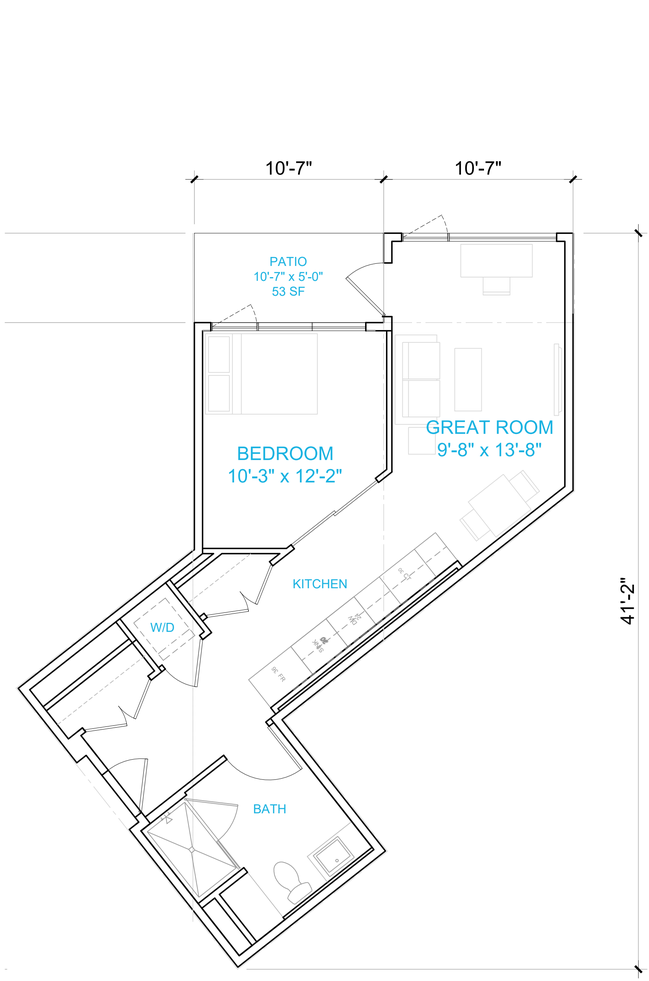
FEBRUARY 6, 2024

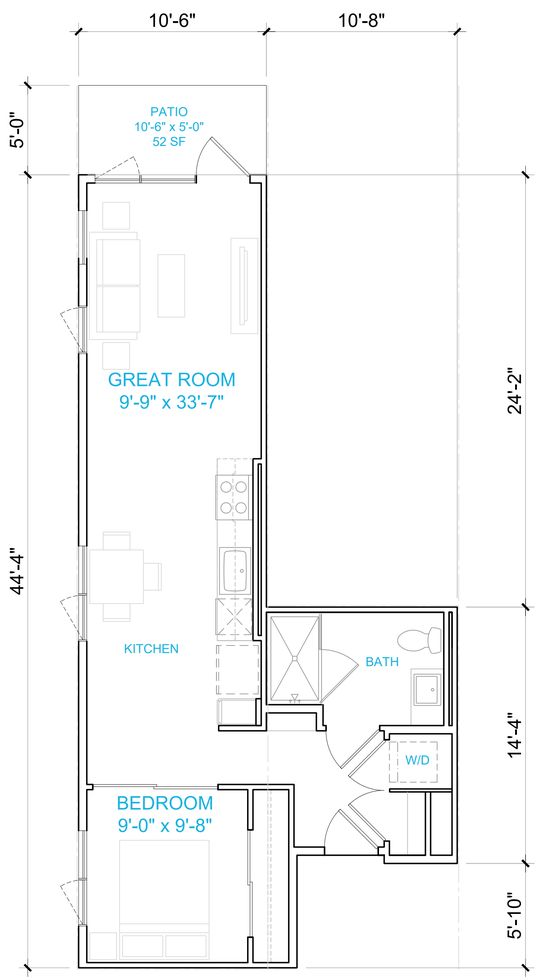
0 2 4 8

UNIT PLANS
1-BEDROOM

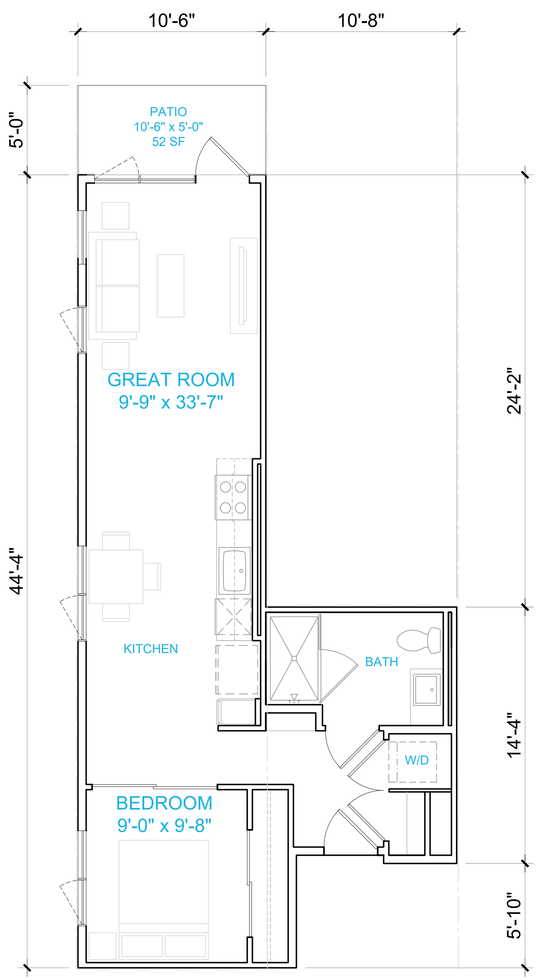
A5-3



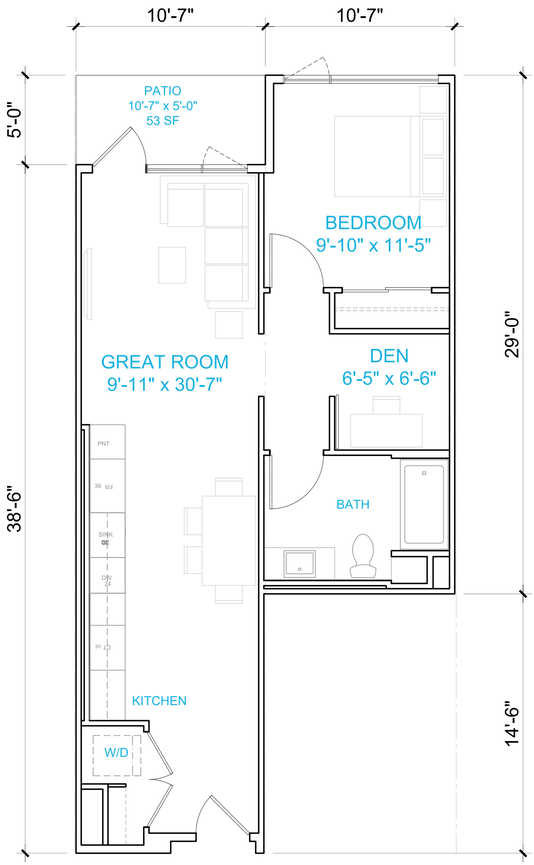
PLAN 1-4B
1 BED
1 BATH
619 SF



PLAN 1-5A
1 BED
1 BATH
635 SF



PLAN 1-5A
1 BED
1 BATH
635 SF



PLAN 1-6A
1 BED +DEN
1 BATH
718 SF

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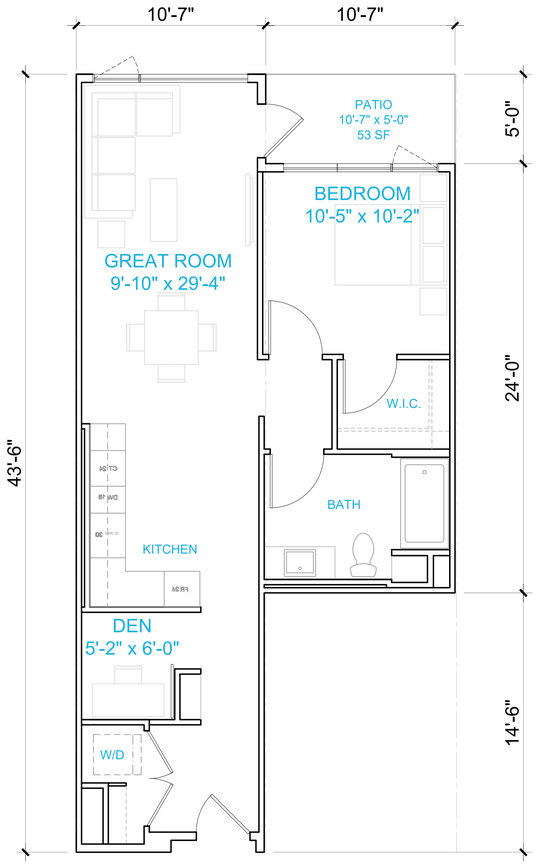
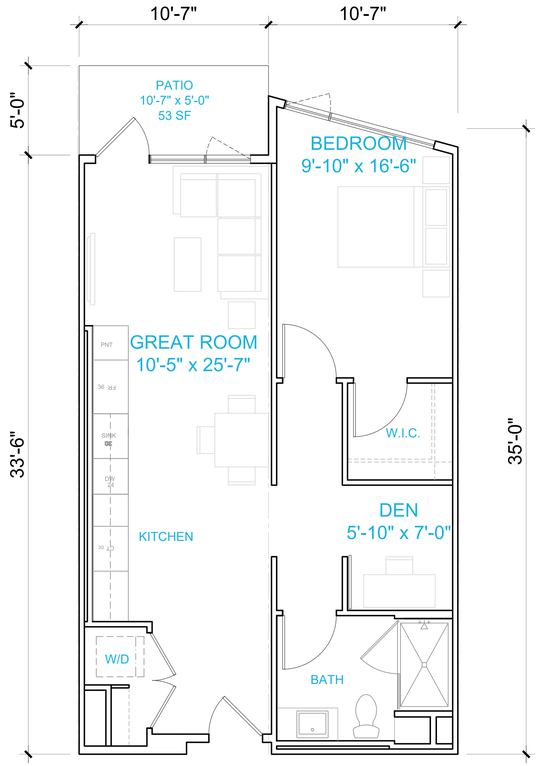
0 2 4 8

UNIT PLANS
1-BEDROOM

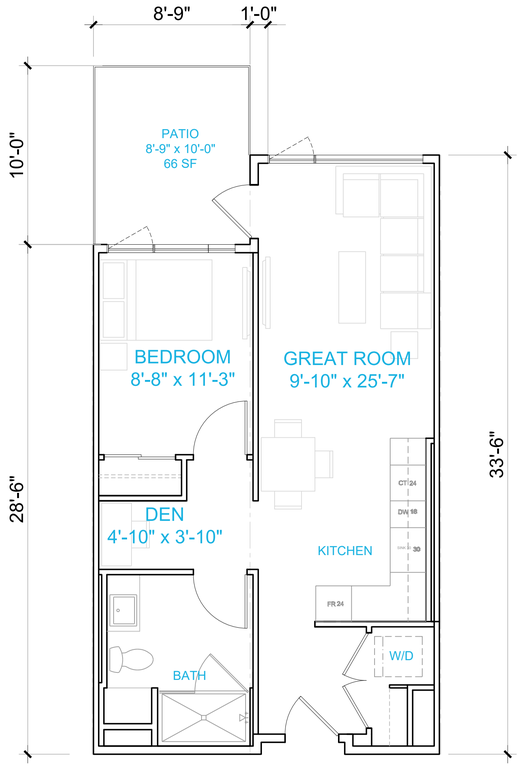
A5-4



PLAN 1-6B
1 BED +DEN
1 BATH
718 SF



PLAN 1-7A
1 BED +DEN
1 BATH
742 SF



PLAN 1-7C
1 BED +DEN
1 BATH
606 SF

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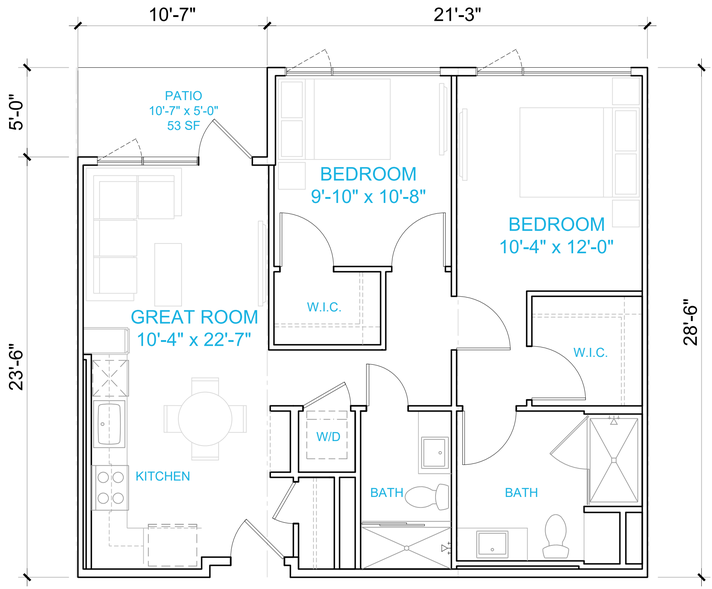
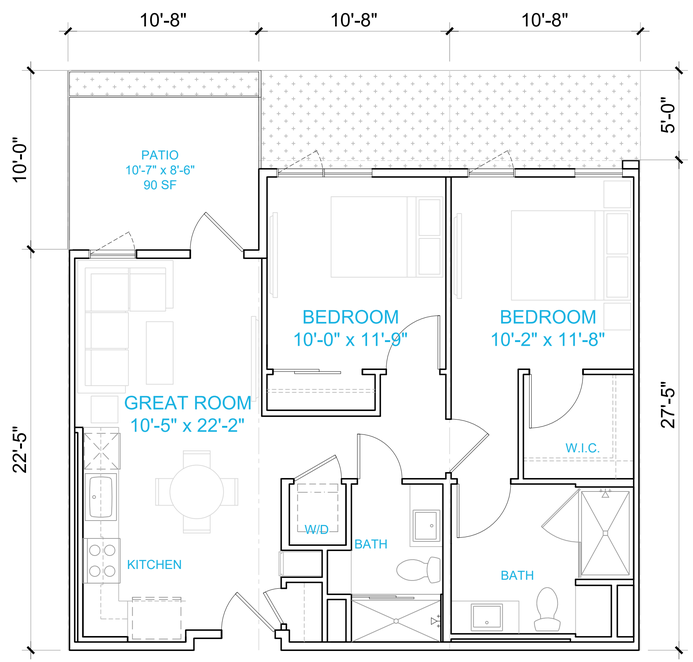
0 2 4 8

UNIT PLANS
1-BEDROOM

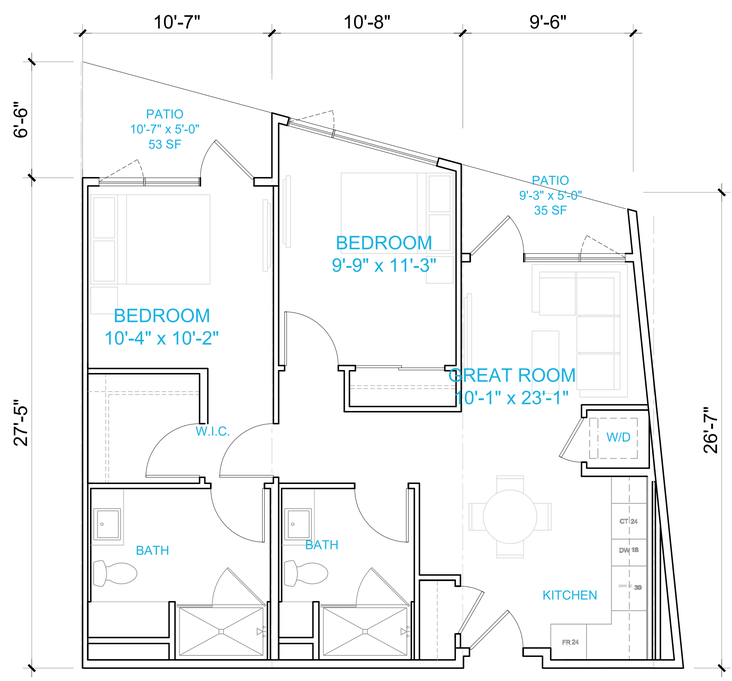
A5-5



PLAN 2-1
2 BED
2 BATH
856 SF



PLAN L/W 2-2
2 BED
2 BATH
842 SF



PLAN 2-3A
2 BED
2 BATH
891 SF

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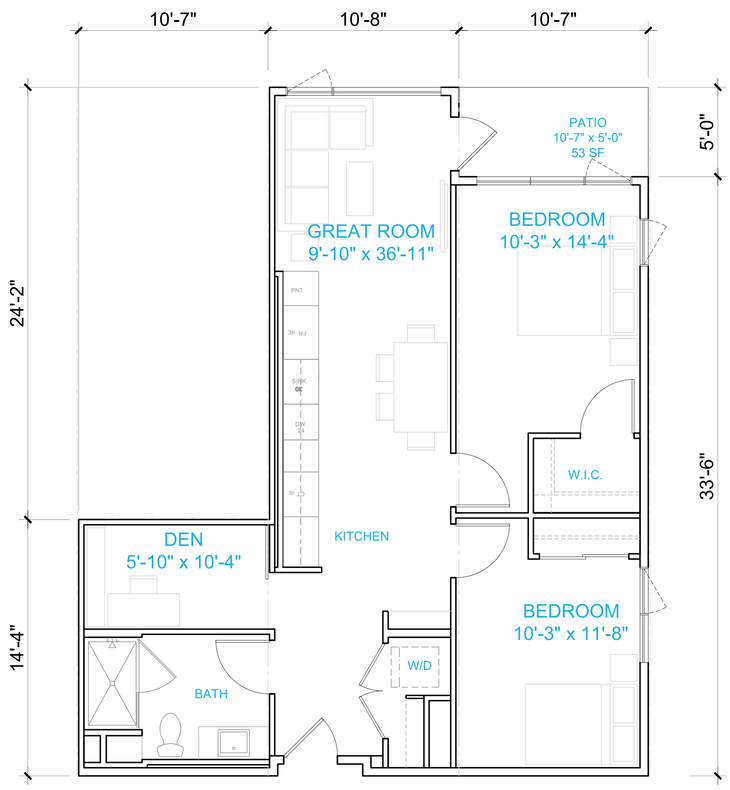
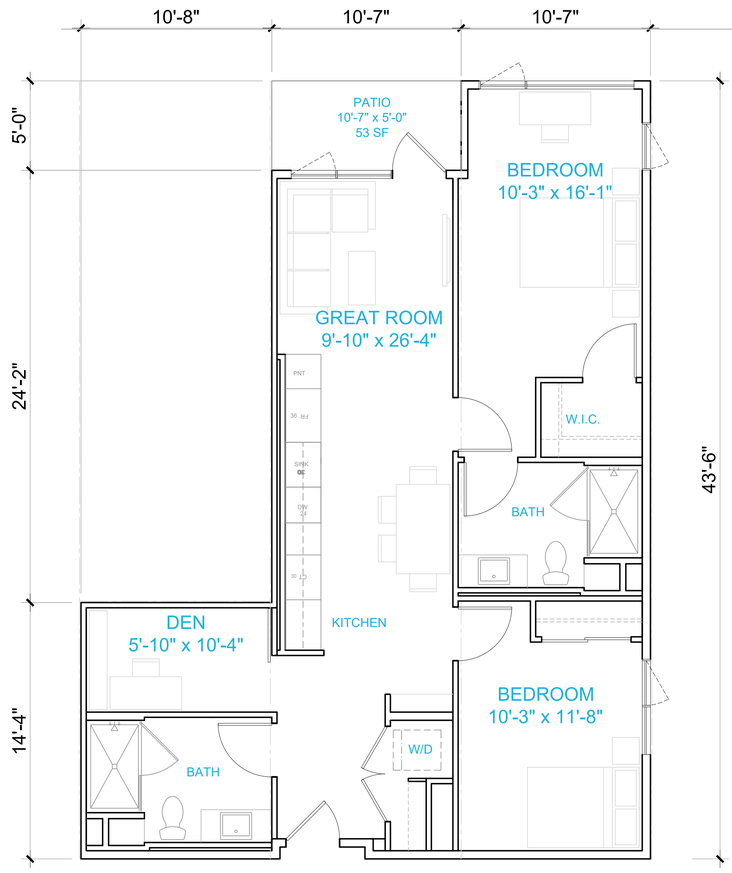
0 2 4 8

UNIT PLANS
2-BEDROOM

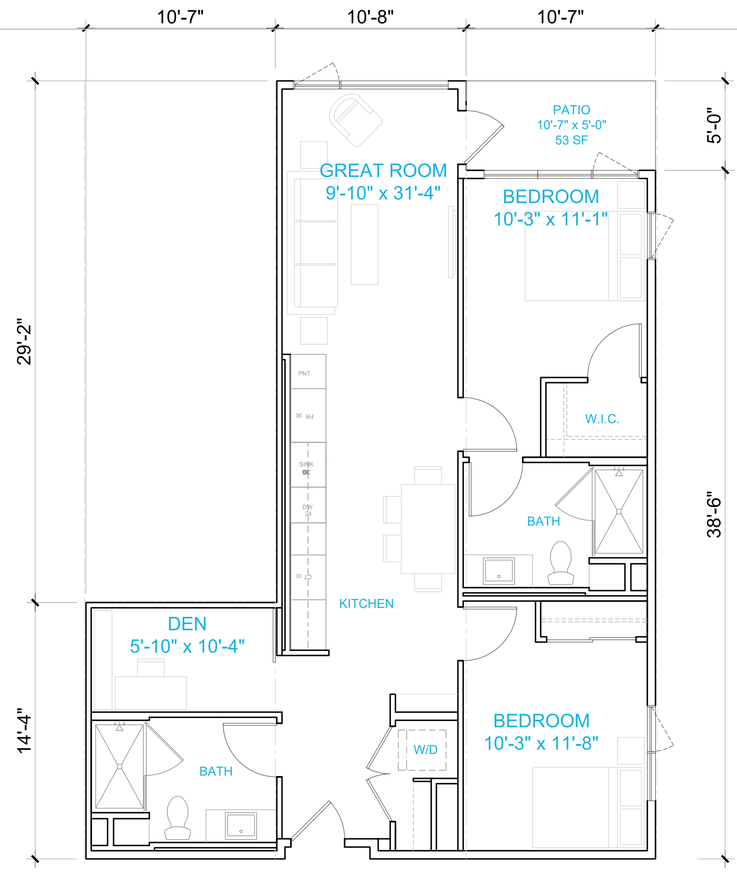
A5-6



PLAN 2-4A
2 BED +DEN
1 BATH
919 SF



PLAN 2-4B
2 BED +DEN
1 BATH
1025 SF



PLAN 2-4C
2 BED +DEN
1 BATH
1025 SF

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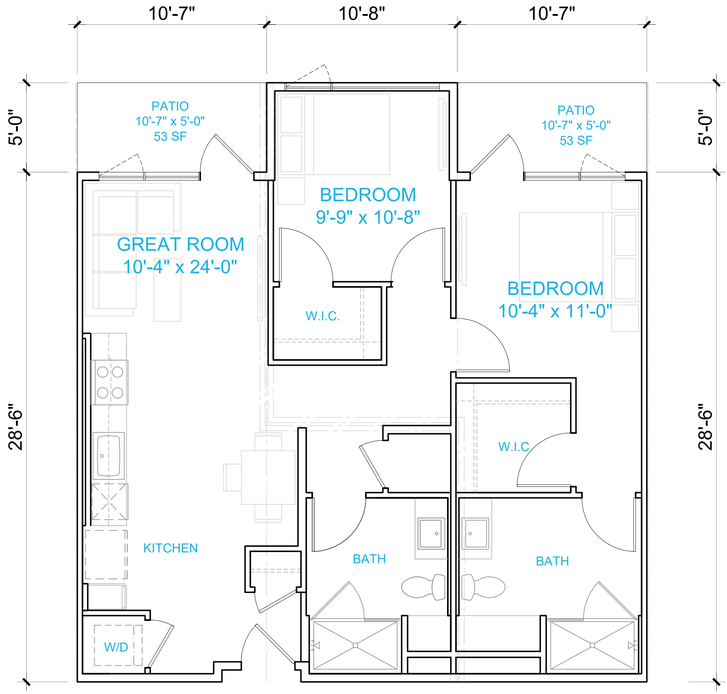
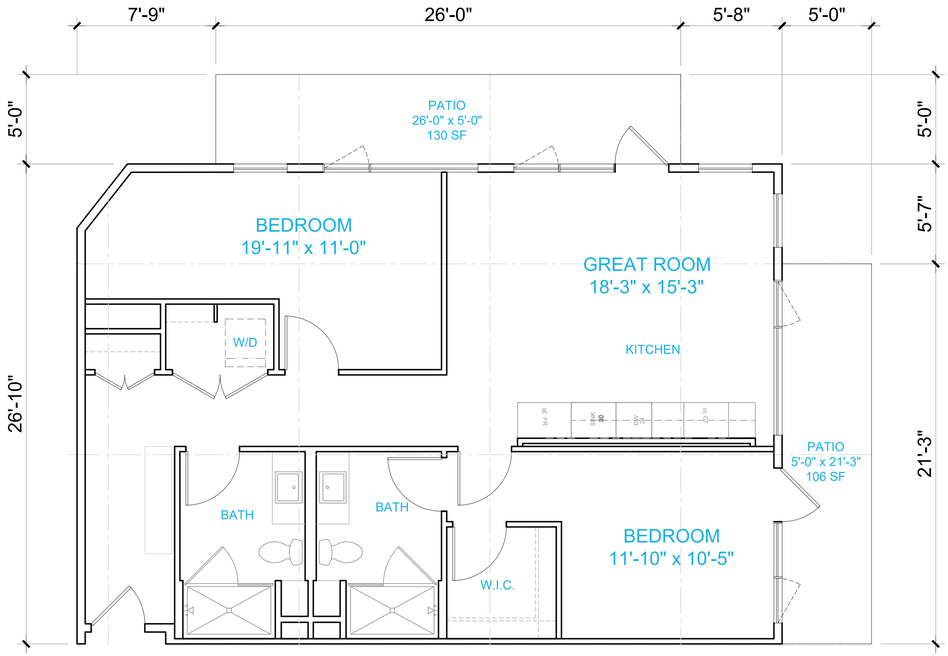
FEBRUARY 6, 2024

0 2 4 8

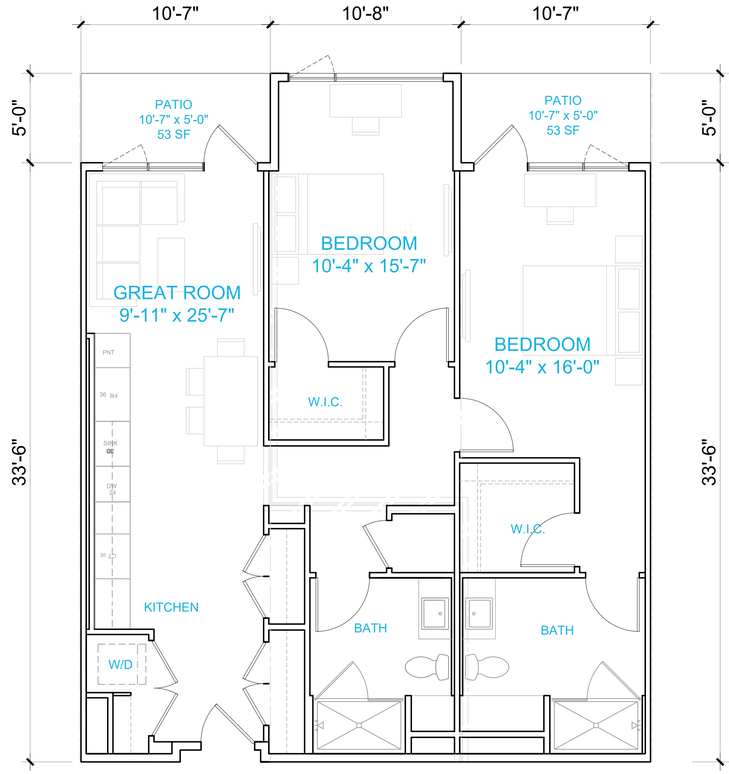
UNIT PLANS
2-BEDROOM & +DEN



PLAN 2-5
2 BED
2 BATH
962 SF



PLAN 2-6
2 BED
2 BATH
1054 SF



PLAN 2-7A
2 BED
2 BATH
1122 SF

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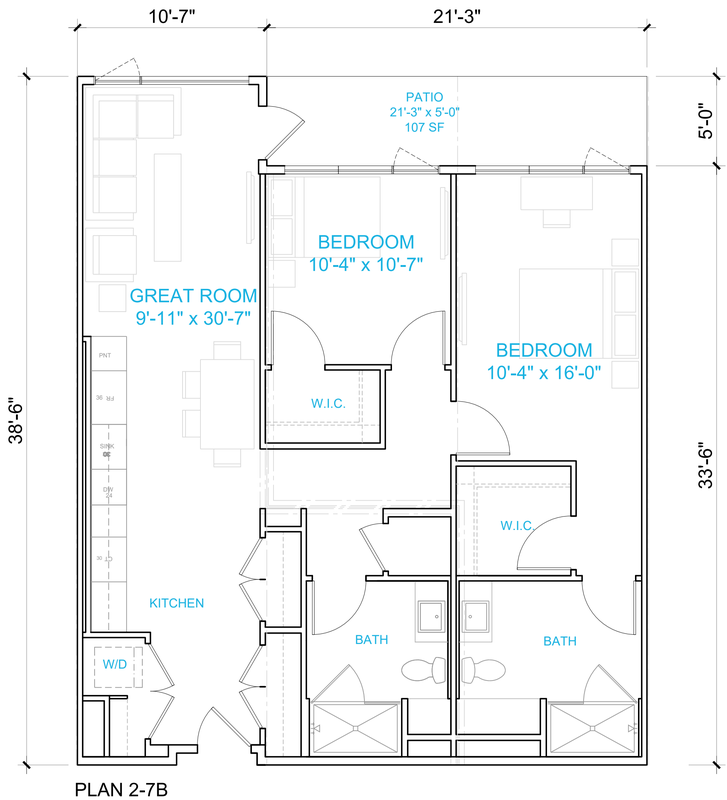
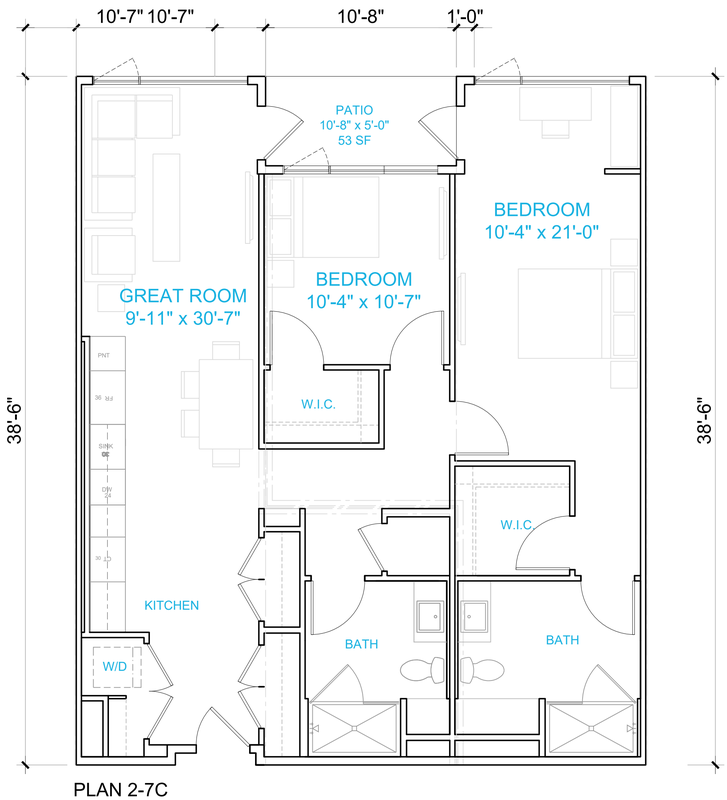
0 2 4 8

UNIT PLANS
2-BEDROOM & +DEN

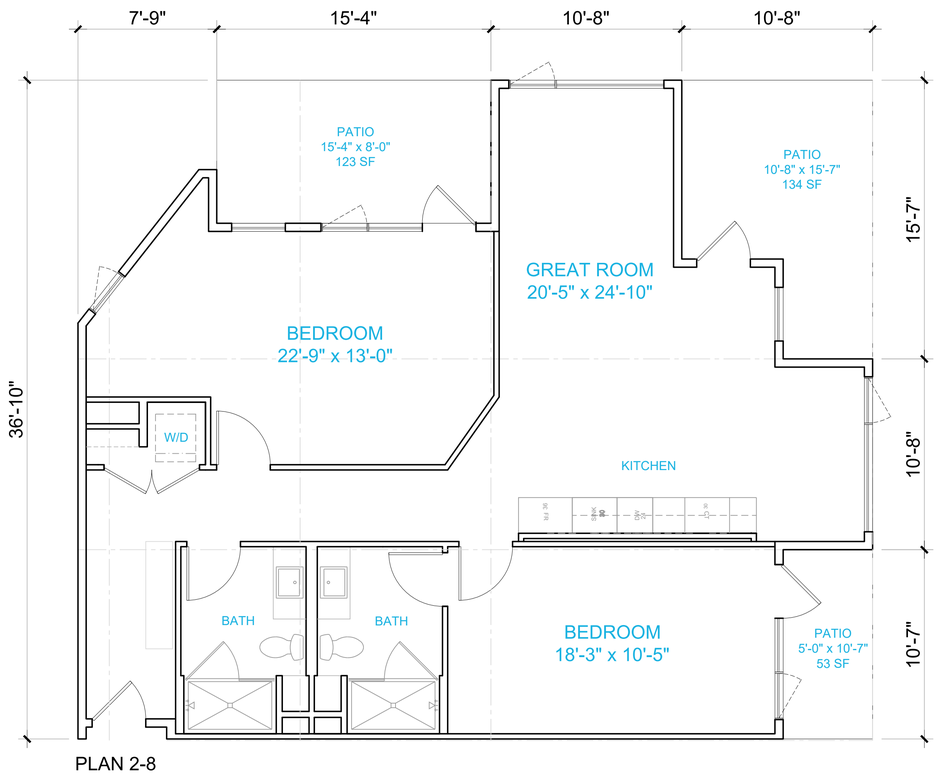
A5-8



PLAN 2-7B
2 BED
2 BATH
1122 SF



PLAN 2-7C
2 BED
2 BATH
1176 SF



PLAN 2-8
2 BED
2 BATH
1176 SF

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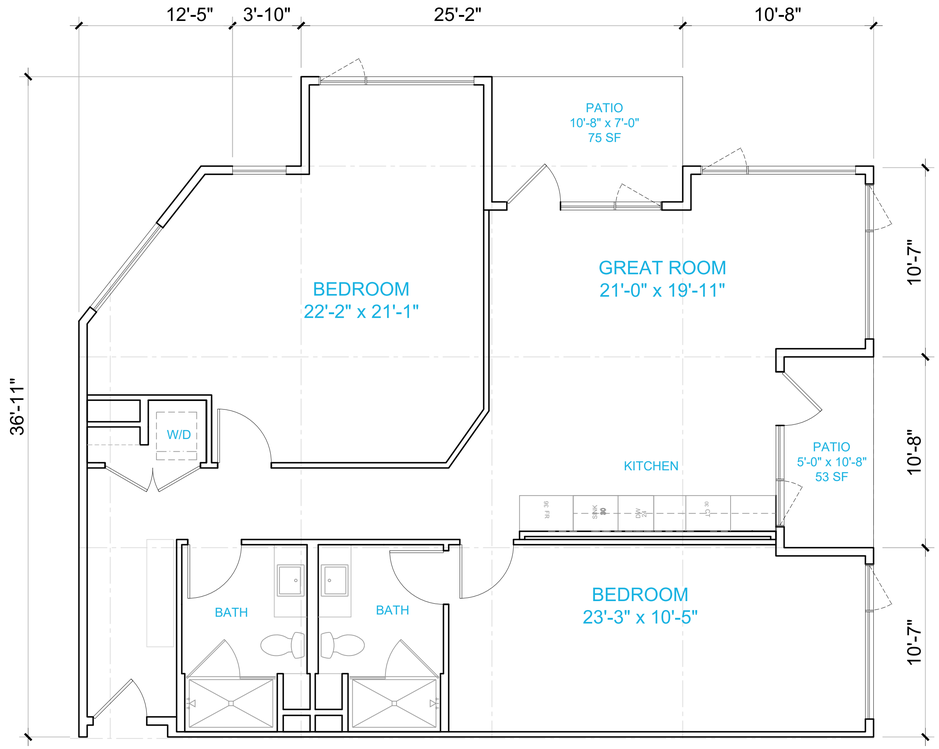
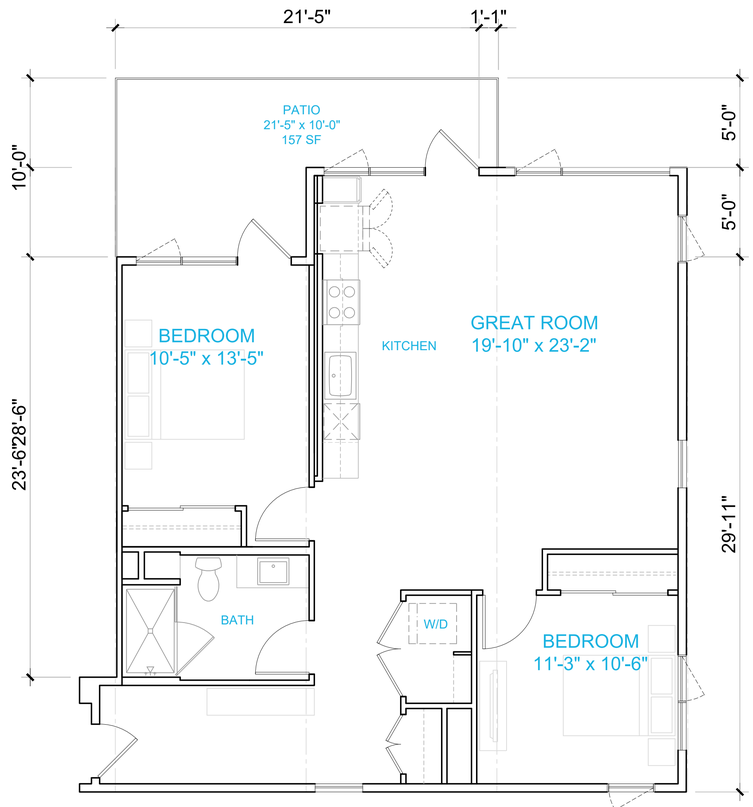
0 2 4 8

UNIT PLANS
2-BEDROOM

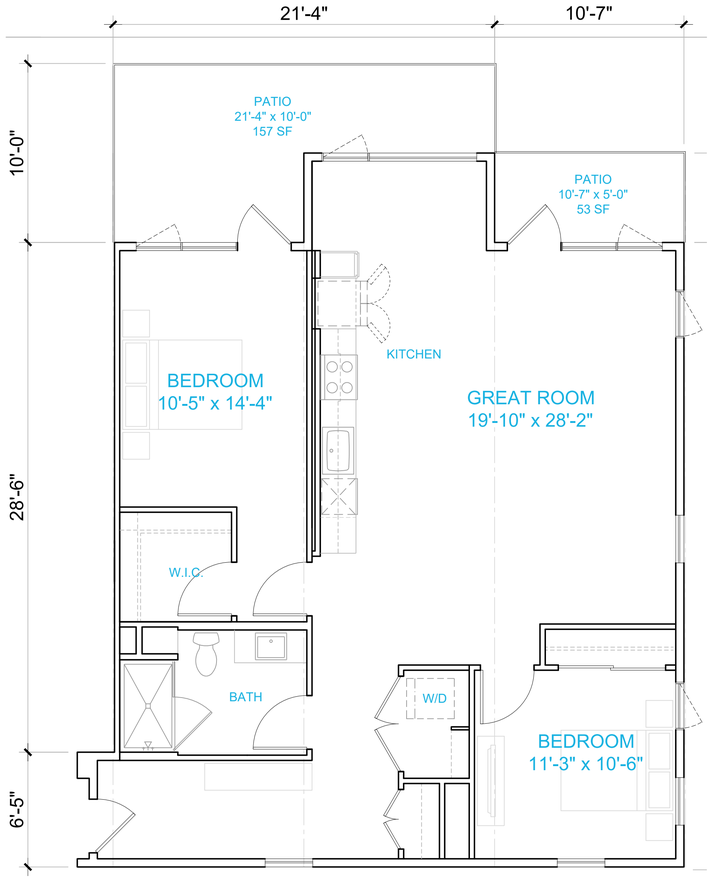
A5-9



PLAN 2-9
2 BED
2 BATH
1280 SF



PLAN 2-10
2 BED
2 BATH
1021 SF



PLAN 2-11
2 BED
2 BATH
1181 SF

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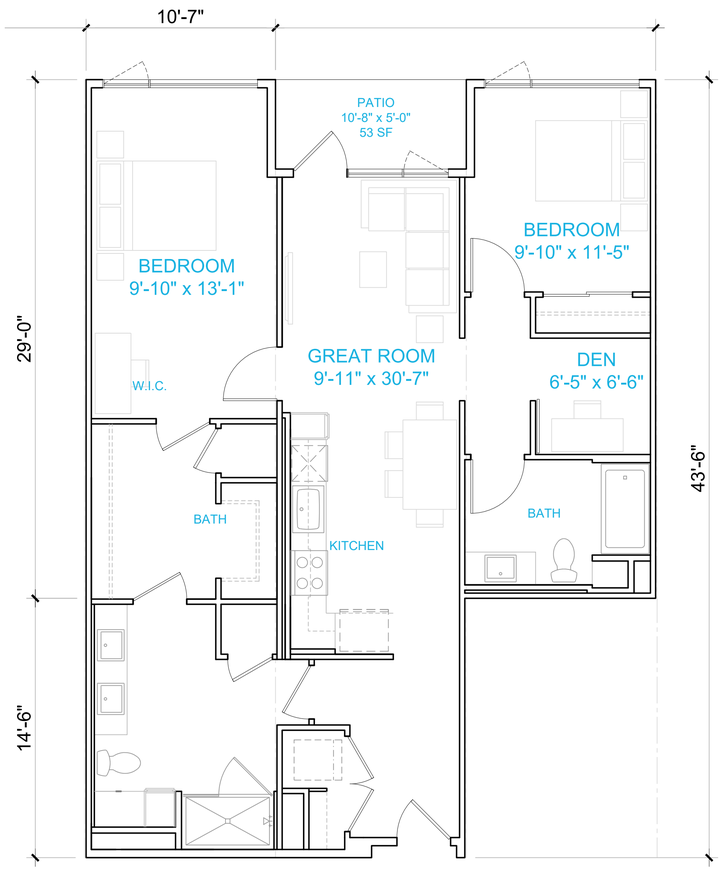
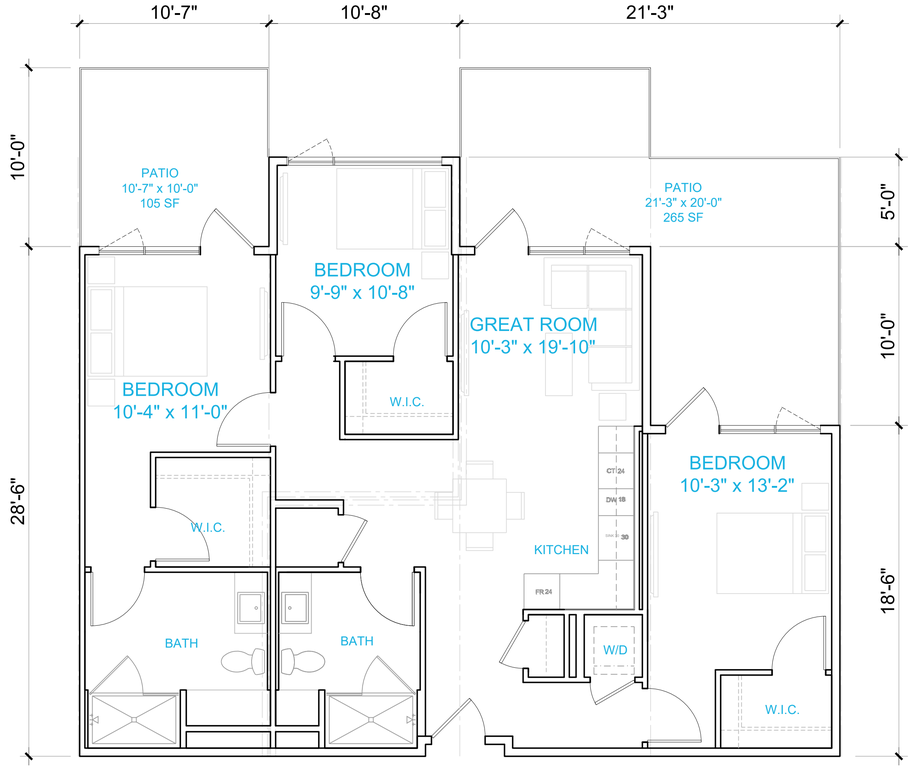
0 2 4 8

UNIT PLANS
2-BEDROOM

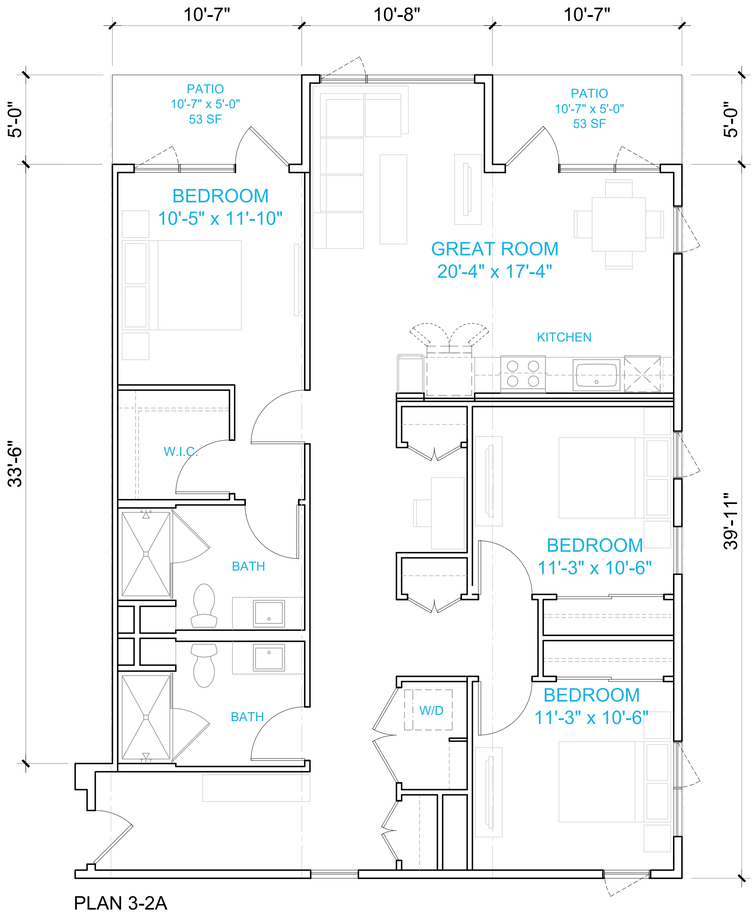
A5-10



PLAN 2-12
2 BED +DEN
2 BATH
1028 SF



PLAN 3-1
3 BED
2 BATH
1160 SF



PLAN 3-2A
3 BED
2 BATH
1341 SF

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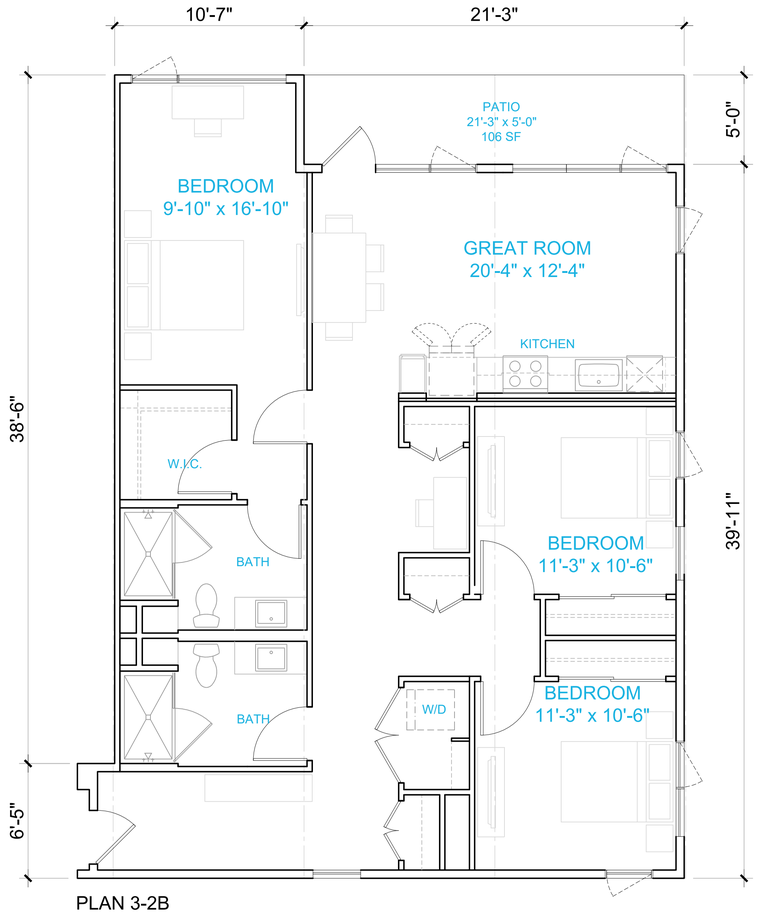
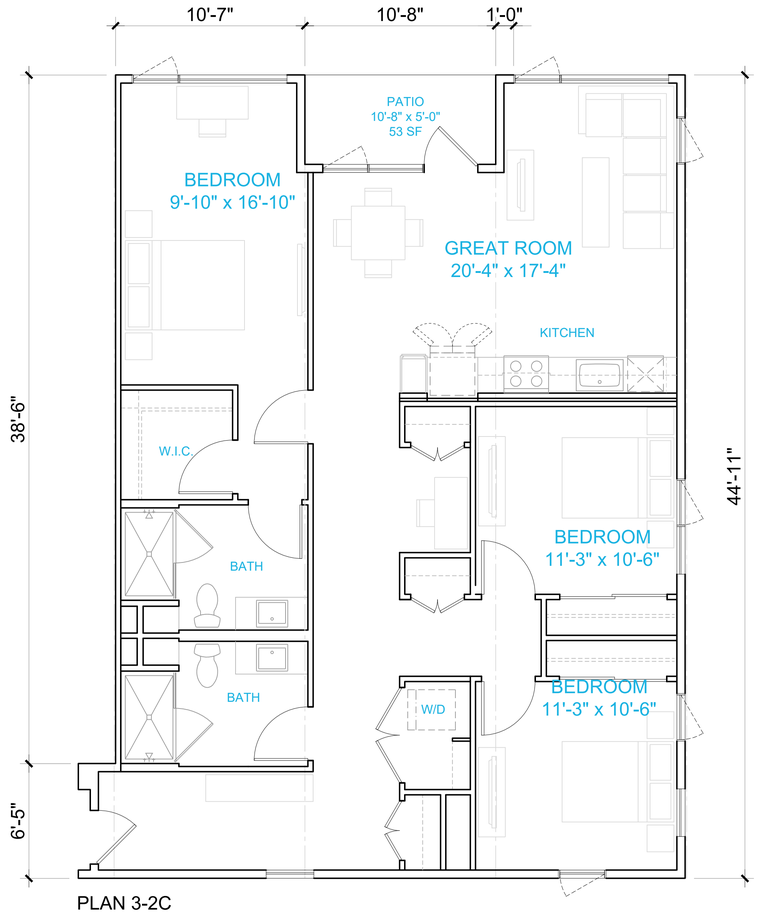
0 2 4 8

UNIT PLANS
2-BEDROOM & 3-BEDROOM

A5-11



PLAN 3-2B
3 BED
2 BATH
1341 SF



PLAN 3-2C
3 BED
2 BATH
1394 SF

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0 2 4 8

UNIT PLANS
3-BEDROOM

A5-12

CORNER OF SUNSET BOULEVARD AND EVERETT STREET | BUILDING B

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CONCEPTUAL PERSPECTIVES

A6-0

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CONCEPTUAL PERSPECTIVES

A6-1

CORNER OF SUNSET BOULEVARD AND EVERETT STREET | BUILDING B

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CONCEPTUAL PERSPECTIVES

A6-2

NORTH DAY VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

NORTH DUSK VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

WEST VIEW FROM SUNSET BLVD | BUILDING B

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CONCEPTUAL PERSPECTIVES

NORTH VIEW FROM SUNSET BLVD | BUILDINGS A + B

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FEBRUARY 6, 2024

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CONCEPTUAL PERSPECTIVES

NORTH DUSK VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

SOUTH DUSK VIEW FROM SUNSET BLVD | BUILDING A

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CONCEPTUAL PERSPECTIVES

SOUTH DUSK VIEW FROM EVERETT ST | BUILDING B

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CONCEPTUAL PERSPECTIVES

A6-9

SOUTH EVERETT PARK | GOOGLE EARTH COMPOSITE - BUILDING B IN VIEW

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CONCEPTUAL PERSPECTIVES

A6-10

A TROWEL STUCCO FINISH //

- SMOOTH

2 SHERWIN-WILLIAMS FINISH //

- LIGHT SOFT COLOR

B FIBER CEMENT FINISH //

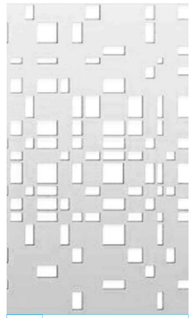
- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- OCCURS:
  - •• GROUND LEVEL UNITS
  - •• UPPER LEVEL AMENITY SPACES

C FIBER CEMENT FINISH //

- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- STAIRS & ELEVATORS

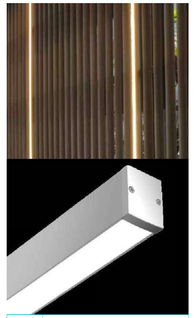
D WHITE METAL FINISH //

- LIGHT COLOR
- OCCURS:
  - •• STAIRWELL



E PERFORATED METAL FINISH //

- LIGHT COLOR
  - •• BOK MODERN
- OCCURS:
  - •• EXTERIOR SIDE STAIRWELL



F LED LINEAR WET RATED LIGHTING //

- 5000K - 7000K
- INTEGRATED
  - •• STUCCO
  - •• FIBER CEMENT

G CONCRETE FINISH //

- LIGHT COLOR
  - •• MATCH SW PAINT #
- OCCURS:
  - •• STOOPS

H OPAQUE GLASS FINISH //

- LIGHT COLOR
  - •• MATCH WINDOW COLOR
- OCCURS:
  - •• BALCONY PRIVACY SCREEN

I METAL PLANTER FINISH //

- LIGHT COLOR
  - •• POWDER COATED
  - •• MATCH SW PAINT #
- OCCURS:
  - •• AMENITIES
  - •• BALCONIES

FRONT PERSPECTIVE ON SUNSET BLVD | BUILDING A (MATERIALS ARE SIMILAR TO BUILDING B)

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COLOR & MATERIAL BOARD
BUILDING 'A'

A8-0

A TROWEL STUCCO FINISH //

- SMOOTH

2 SHERWIN-WILLIAMS FINISH //

- LIGHT SOFT COLOR

B FIBER CEMENT FINISH //

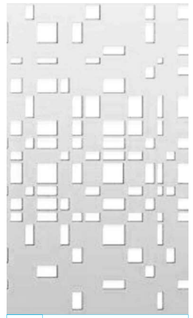
- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- OCCURS:
  - •• GROUND LEVEL UNITS
  - •• UPPER LEVEL AMENITY SPACES

C FIBER CEMENT FINISH //

- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- STAIRS & ELEVATORS

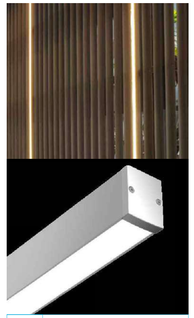
D WHITE METAL FINISH //

- LIGHT COLOR
- OCCURS:
  - •• STAIRWELL



E PERFORATED METAL FINISH //

- LIGHT COLOR
  - •• BOK MODERN
- OCCURS:
  - •• EXTERIOR SIDE STAIRWELL



F LED LINEAR WET RATED LIGHTING //

- 5000K - 7000K
- INTEGRATED
  - •• STUCCO
  - •• FIBER CEMENT

G CONCRETE FINISH //

- LIGHT COLOR
  - •• MATCH SW PAINT #
- OCCURS:
  - •• STOOPS

H OPAQUE GLASS FINISH //

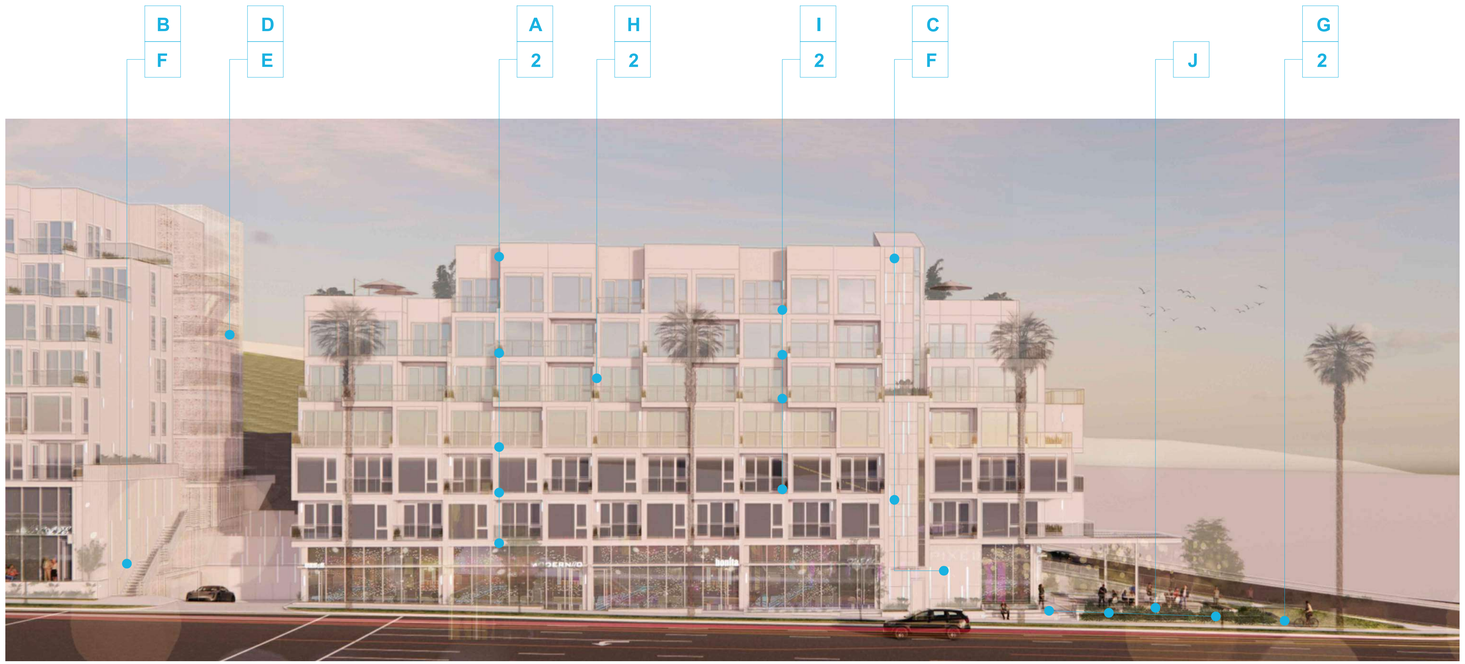
- LIGHT COLOR
  - •• MATCH WINDOW COLOR
- OCCURS:
  - •• BALCONY PRIVACY SCREEN

I METAL PLANTER FINISH //

- LIGHT COLOR
  - •• POWDER COATED
  - •• MATCH SW PAINT #
- OCCURS:
  - •• AMENITIES
  - •• BALCONIES

J COMPOSITE SEATING & DECKING FINISH //

- WARM COLOR
- OCCURS:
  - •• AMENITIES
  - •• PLAZA
  - •• OPEN SPACE



FRONT PERSPECTIVE ON SUNSET BLVD | BUILDING B (MATERIALS ARE SIMILAR TO BUILDING A)

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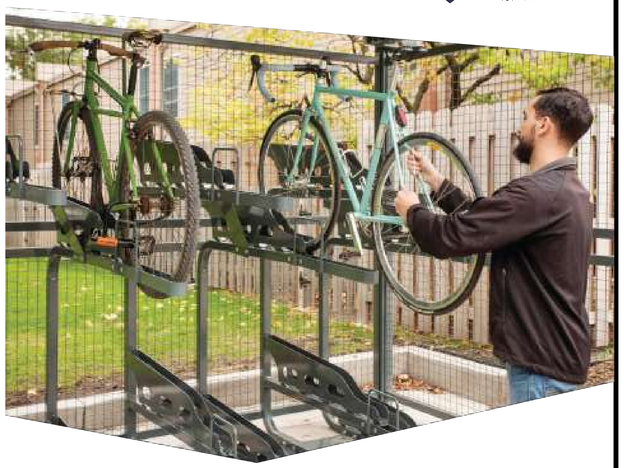
FEBRUARY 6, 2024

NTS

COLOR & MATERIAL BOARD
BUILDING 'B'

A8-1



Dero **Duplex**

The Dero Duplex doubles the capacity of your bike parking area with secure, efficient, and orderly storage. Its staggered design means that bikes enter and exit easily without entanglement. Sturdy trays with high sides keep bikes from slipping off while loading or unloading and also make the Duplex compatible with most standard u-locks.

Patent D768,545

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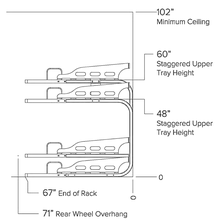
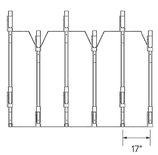
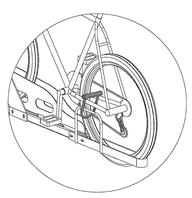
Dero **Duplex** **Submittal Sheet**





CAPACITY	Varies per configuration Minimum 6 bike system required for stability
MATERIALS	**Main frame tube:** 2" 11g square tube **Connector plates:** 1/4" plate **Bike trays:** 11g plate
FINISHES	☐ **Galvanized** An after fabrication hot dipped galvanized finish is our standard option. ☐ **Powder Coat** Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat ☐ **Stainless** 304 grade stainless steel material with external surfaces polished to a satin finish. All surfaces passivated.
MOUNT OPTIONS	**Surface only** Each connector plate accepts 3/8" wedge anchors.



U-lock compatible

GUIDE SPECIFICATIONS FOR THE DUPLEX BIKE RACK
SECTION 129313
BIKE RACKS

These specifications were current at the time of publication but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.

PART 1 GENERAL

1.1 Summary

This section includes specifications for the Duplex Bike Rack.

Modular system.

1.2 Quality Assurance

Installer Qualifications: An experienced installer who has completed installation of bicycle racks similar in material, design, and extent to that indicated for this project and whose work has resulted in construction with a record of successful in-service performance.

Manufacturer Qualifications: A firm experienced in manufacturing bicycle racks similar to those required for this project and with a record of successful in-service performance.

Source Limitations: Obtain each color, finish, shape and type of bicycle rack from a single source with resources to provide components of consistent quality in appearance and physical properties.

Product Options: Drawings indicate size, shape and dimensional requirements of bicycle racks and are based on the specific system indicated.

1.3 Submittals

Product Data: Include physical characteristics such as shape, dimensions, bicycle, material parking capacity and finish for each bicycle rack.

Shop Drawings: Show installation details for each bicycle rack.

Samples for Verification: Submit finish samples for review and verification.

Maintenance Data: For each bicycle rack.

Include recommended methods for repairing damage to the finish.

1.4 Delivery, Storage and Handling

A. Upon delivery, before signing for shipment, inspect for any damages and notate on the B.O.L.

B. Store bicycle racks in original undamaged packages and containers until ready for installation. Handle bicycle racks with sufficient care to prevent any scratches or damage to the finish.

1.5 Warranty

A. Bicycle racks carry a one-year manufacturer's limited warranty against defects in materials and workmanship. The one-year warranty period begins the date the product is shipped from the manufacturer.

PART 2 PRODUCTS

2.1 Acceptable Manufacturers

Provide bicycle racks manufactured by DERO BIKE RACK CO., 5522 Lakeland Avenue N., Minneapolis, MN 55429, 1-888-337-6729. Fax: 612-331-2731 Website: www.dero.com

2.2 Materials

Main frame tube: 2" 11g square tube

Connecter plates: 1/4" plate

Bike trays: 11g plate

Installation Method. Each connecter plate accepts 3/8" wedge anchors.

2.3 Finishes

A. Finish: A hot-dipped galvanized finish is standard. Over 250 high quality TGIC powder-coated colors are available from Dero Bike Rack Co.

2.4 Duplex Bike Rack

A. Setbacks

Please see setback diagrams.

PART 3 EXECUTION

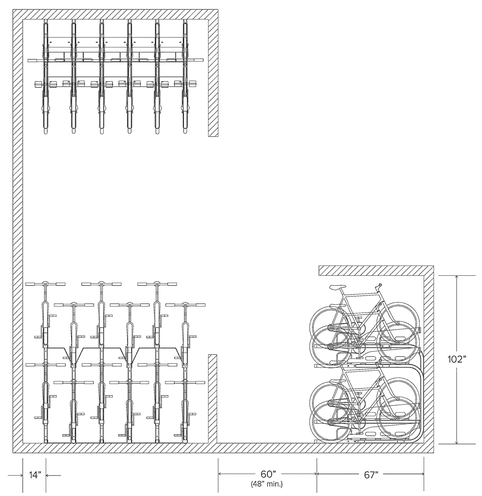
3.1 Ordering Information

A. When ordering or specifying this rack, make sure the product type, finish and fastener type (if applicable) are included. Contact your Dero representative for a current price list or to place an order.

3.2 Freight

Call 1-888-337-6729 for freight quotes.

Dero **Duplex** **Setbacks** Single Sided



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BICYCLE PARKING SPECS

A9-0

Flo Bike Rack
Installation Guide

Date: September 9, 2016
www.landscapeforms.com Ph: 800.521.2546

Surface mount

Embedded

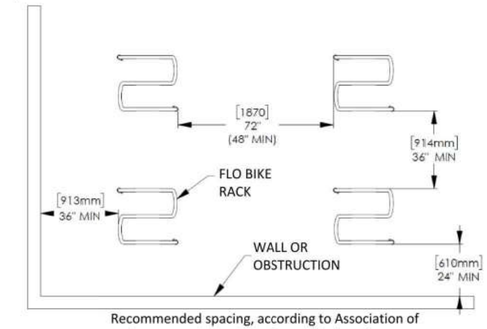
2X - Threaded rods
Embedded only

Included components:

- (2) 5/8-11 x 4" threaded rods with Loctite for embedded unit

Tools required:

- Surface mount unit ships fully assembled
- Surface mount option: (2) non-corrosive anchor bolts required per unit, maximum size Ø3/8" x 2-1/2" to 3" length
- Hammer drill with masonry bits
- For embedded mount option: chemical anchoring adhesive (Hilti HIT RE 500 or equivalent)



Recommended spacing, according to Association of Pedestrian and Bicycle Professionals (APBP)

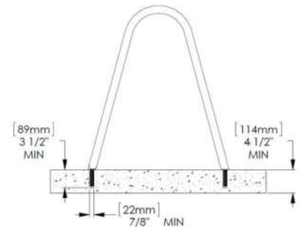
HANDLE WITH CARE! Flo's finish can be scuffed by contact with tools, concrete, or other abrasive surfaces. Protect the finish from damage during installation. Use touch-up paint to repair any powder coat finish abrasions.

EMBEDDED INSTALLATION:

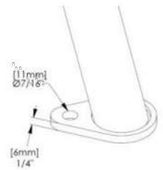
1. Install thread patch ends of threaded rods into the bike rack legs.
2. Set unit in position and mark hole locations.
3. Move unit and drill 7/8" diameter (minimum) holes 3-1/2" deep.
4. Set unit in position to make sure that Nylon glides make contact with the surface. Threaded rods should not be resting on the bottom of the drilled hole.
5. Move unit. Clear holes of debris.
6. Fill holes with chemical anchoring adhesive.
7. Set unit in position.
8. Wipe away excess adhesive.

SURFACE MOUNT INSTALLATION:

1. Set unit in place and mark holes.
2. Move the unit and drill the holes.
3. Install the anchors and bike rack according to the anchor manufacturer's instructions. Be sure that both anchor plates make solid contact with the surface.



Embedded detail



Surface mount detail

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BICYCLE PARKING SPECS

A9-1

MJS LANDSCAPE ARCHITECTURE

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SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

COMPOSITE LANDSCAPE PLAN

L.1

HILLSIDE PLANTING
- erosion control planting
- accent trees maintained to preserve views of neighbours

DOG PARK +439.5
- synthetic turf
- low fence
- accent trees
- movable furniture

SUNSET STREETSCAPE
- protect existing palms (7)
- proposed street trees

POOL DECK +419
- see sheet L.3

EVERETT STREETSCAPE
- proposed street trees
- city standard sidewalk

PLAZA +411
- see sheet L.3

COMMERCIAL SHORT TERM BIKE PARKING
- (6) short term commercial bike parking spaces (2' w. x 6' l.)- bike rack to be per city standard detail s-671-2 - located adjacent to commercial entry

RESIDENTIAL SHORT TERM BIKE PARKING
- (14) short term residential bike parking spaces (2' w. x 6' l.)- bike rack to be per city standard detail s-671-2 - located adjacent to building entry

MJS LANDSCAPE ARCHITECTURE

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

GROUND COMPOSITE

L.2

MJS LANDSCAPE ARCHITECTURE

Aragon Properties LTD.
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Vancouver, BC, Canada

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

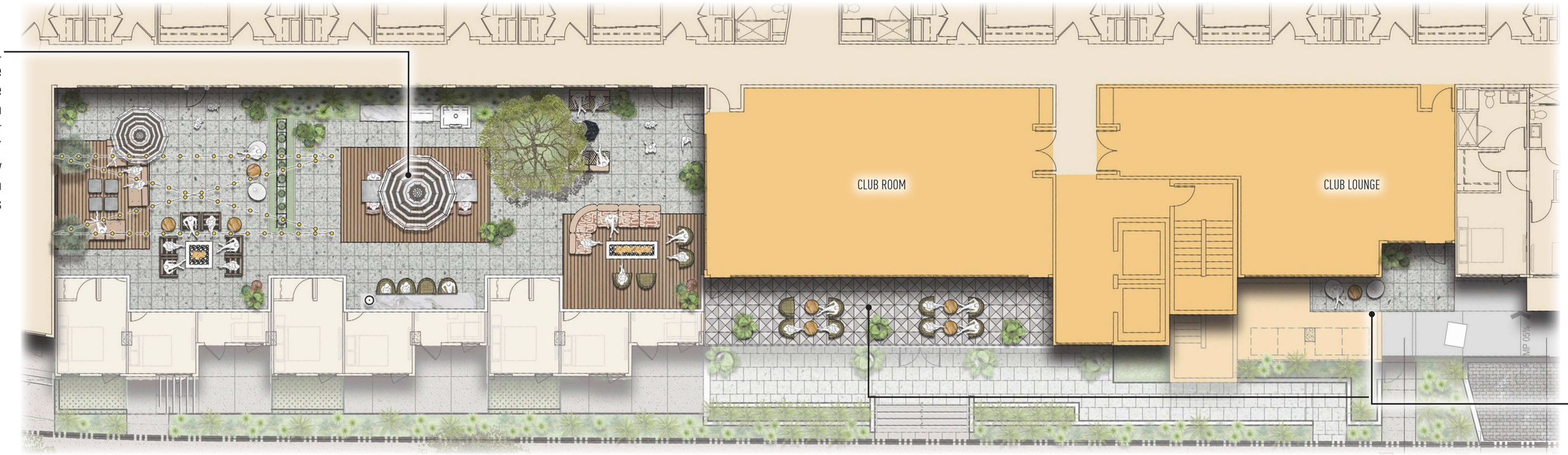
SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 5' 10' 20'

PLAZA AND POOL DECK ENLARGEMENT

L.3

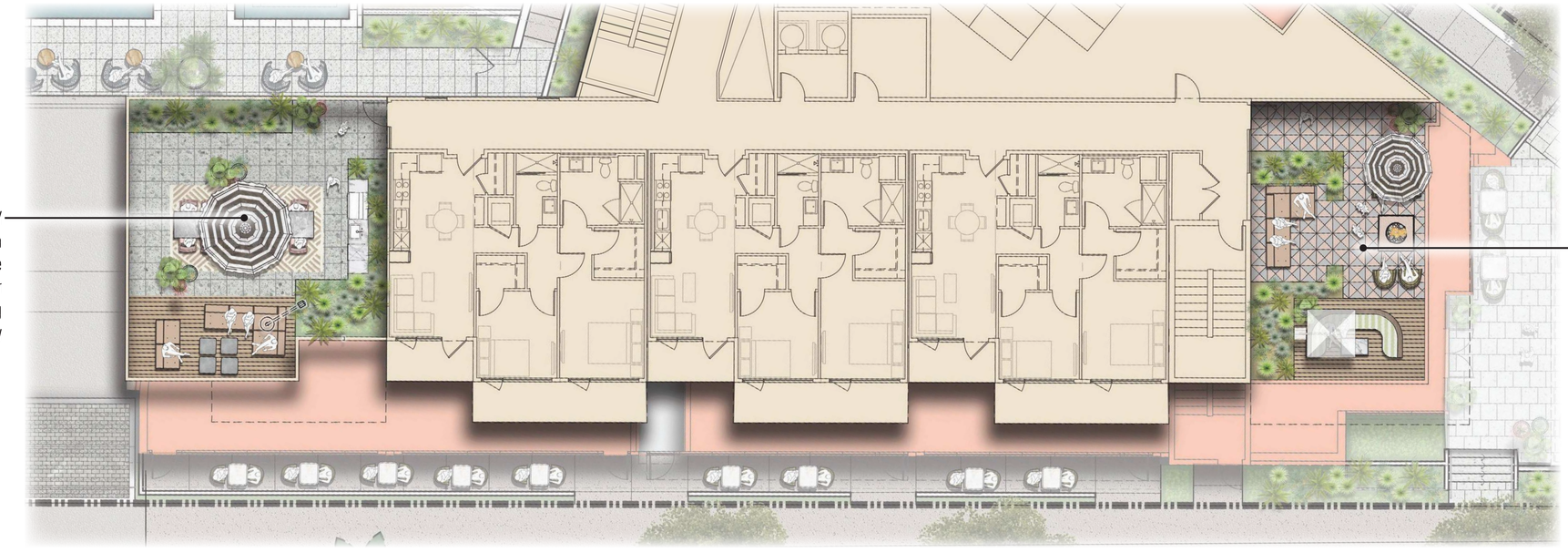
THE SOCIAL
- fireside lounge
- accent tree
- dining pavilion
- sit-up bar
- tv "room"
- pottery
- umbrella
- festival lights



VIEW DECKS
- lounge seating
- pottery

BUILDING A - ROOFDECK + 489.9

DINNER PARTY
- umbrella
- dining table
- bbq counter
- lounge seating
- pottery



THE LOUNGE
- lounge seating
- umbrella
- firepit

BUILDING B - ROOFDECK + 479

MJS LANDSCAPE ARCHITECTURE

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LOS ANGELES, CALIFORNIA # 2012-0710

SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 4' 8' 16'

BUILDING A + B ROOFDECKS

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE	WUCOLS	QTY
	ACACIA SALIGNA ORANGE WATTLE	24"BOX	LOW	8
	ARBUTUS X 'MARINA' MARINA STRAWBERRY TREE STANDARD	36"BOX	MODERATE	14
	CERCIS C. TEXENSIS 'OKLAHOMA' OKLAHOMA TEXAS REDBUD	24"BOX	MODERATE	15
	GEIJERA PARVIFLORA AUSTRALIAN WILLOW	24"BOX	MODERATE	13
	LAURUS X `SARATOGA` SARATOGA HYBRID LAUREL - COLUMN	24"BOX	LOW	10
	LAURUS X `SARATOGA` SARATOGA HYBRID LAUREL	36"BOX	LOW	5
	OLEA EUROPAEA `SWAN HILL` TM SWAN HILL OLIVE - STANDARD FORM	36"BOX	LOW	1
	OLEA EUROPAEA `WILSONI' FRUITLESS OLIVE	48"BOX	LOW	2
	PRUNUS ILICIFOLIA LYONII CATALINA CHERRY	24"BOX	MODERATE	12
	QUERCUS AGRIFOLIA COAST LIVE OAK	60"BOX	LOW	1

MJS LANDSCAPE ARCHITECTURE

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SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

CONCEPTUAL TREE PLAN

L.5

PRELIMINARY PLANT PALETTE

SHRUBS - COURTYARD / ROOFTOP - 3' O.C. SPACING

BOTANICAL NAME	COMMON NAME	CONT	WUCOLS
LARGE SHRUBS			
ARCTOSTAPHYLOS MANZANITA `DR. HURD`	DR. HURD MANZANITA	5 GAL	LOW
FREMONTODENDRON X `KEN TAYLOR`	FLANNEL BUSH	15 GAL	VERY LOW
MEDIUM SHRUBS			
CEANOTHUS SP.	CALIFORNIA LILAC	5 GAL	LOW
GREVILLEA X `PEACHES AND CREAM`	GREVILLEA	5 GAL	LOW
LEUCADENDRON DISCOLOR `POM POM`	POM POM LEUCADENDRON	15 GAL	LOW
LEUCOSPERMUM CORDIFOLIUM `FLAME GIANT`	GIANT ORANGE NODDING PINCUSHION	15 GAL	LOW
PITTOSPORUM CRASSIFOLIUM `NANA`	KARO PITTOSPORUM	5 GAL	MODERATE
ROSMARINUS OFFICINALIS `TUSCAN BLUE`	TUSCAN BLUE ROSEMARY	5 GAL	VERY LOW
WESTRINGIA FRUTICOSA	COAST ROSEMARY	5 GAL	LOW
SMALL SHRUBS AND GROUNDCOVERS			
AJUGA REPTANS	CARPET BUGLE	1 GAL	MODERATE
ASPARAGUS DENSIFLORUS `MYERS`	MYERS ASPARAGUS	5 GAL	MODERATE
ASTER LAEVIS	SMOOTH BLUE ASTER	1 GAL	LOW
ERIGERON GLAUCUS `WAYNE RODERICK`	SEASIDE DAISY	1 GAL	LOW
IRIS DOUGLASIANA	DOUGLAS IRIS	5 GAL	LOW
PENSTEMON HETEROPHYLLUS `MARGARITA BOP`	BEARD TONGUE	1 GAL	LOW
PITTOSPORUM TENUIFOLIUM `GOLF BALL`	GOLF BALL TAWHIWHI	5 GAL	MODERATE
ROSMARINUS OFFICINALIS `PROSTRATUS`	ROSEMARY	5 GAL	VERY LOW
SALVIA X `MRS. BEARD`	SAGE	5 GAL	LOW
TEUCRIUM CHAMAEDRYS	GERMANDER	5 GAL	LOW
ZEPHYRANTHES CANDIDA	ZEPHYRLILY	1 GAL	MODERATE
ACCENT/COLOR SHRUBS			
AEONIUM X `MINT SAUCER`	MINT SAUCER AEONIUM	5 GAL	LOW
AGAVE ATTENUATA	FOXTAIL AGAVE	5 GAL	LOW
ALOE PLICATILIS	FAN ALOE	5 GAL	LOW
ALOE X SPINOSISSIMA	ALOE	5 GAL	LOW
GRASSES			
CAREX DIVULSA	BERKELEY SEDGE	1 GAL	MODERATE
FESTUCA GLAUCA	BLUE FESCUE	1 GAL	LOW
LOMANDRA LONGIFOLIA	MAT RUSH	5 GAL	LOW
MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	5 GAL	MODERATE
PENNISETUM SPATHIOLATUM	RYE PUFFS	5 GAL	MODERATE
SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL	MODERATE
SISYRINCHIUM BELLUM	BLUE EYED GRASS	1 GAL	LOW
VINES/CLIMBING SHRUBS			
CLEMATIS LASIANTHA	PIPESTEM CLEMATIS	5 GAL	VERY LOW
CLEMATIS LIGUSTICIFOLIA	WESTERN WHITE CLEMATIS	5 GAL	LOW
CLEMATIS MACROPETALA	CLEMATIS	5 GAL	MODERATE
LONICERA HISPIDULA	HONEYSUCKLE	5 GAL	LOW
ROSA DAVID AUSTIN `CLAIRE AUSTIN`	ENGLISH ROSE	15 GAL	MODERATE
ROSA X `CECILE BRUNNER`	CECILE BRUNNER CLIMBING ROSE	15 GAL	MODERATE
WISTERIA SINENSIS	CHINESE WISTERIA	15 GAL	MODERATE
TURF			
TURF AT ROOFTOP: SYNTHETIC IMPERIAL RYE FESCUE 90 OZ. TURF			

SHRUBS - GROUND LEVEL - 3' O.C. SPACING

BOTANICAL NAME	COMMON NAME	CONT	WUCOLS
LARGE SHRUBS			
ARCTOSTAPHYLOS DENSIFLORA `HOWARD MCMINN`	HOWARD MCMINN MANZANITA	5 GAL	LOW
HETEROMELES ARBUTIFOLIA	TOYON	15 GAL	VERY LOW
PRUNUS ILICIFOLIA LYONII	CATALINA CHERRY	15 GAL	LOW
RHAMNUS CALIFORNICA `EVE CASE`	CALIFORNIA COFFEEBERRY	15 GAL	LOW
RHUS INTEGRIFOLIA	LEMONADE BERRY	15 GAL	VERY LOW
MEDIUM SHRUBS			
ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH	5 GAL	LOW
CEANOTHUS SP	CALIFORNIA LILAC	5 GAL	LOW
LEUCOPHYLLUM FRUTESCENS `LOS ALAMITOS`	TEXAS SAGE	5 GAL	LOW
SALVIA CLEVELANDII `ALLEN CHICKERING`	CLEVELAND SAGE	5 GAL	LOW
TEUCRIUM FRUTICANS `AZUREUM`	AZURE BUSH GERMANDER	5 GAL	LOW
VERBENA LILACINA `DE LA MINA`	LILAC VERBENA	5 GAL	LOW
SMALL SHRUBS AND GROUNDCOVERS			
AGAPANTHUS X `STORM CLOUD`	DARK BLUE LILY OF THE NILE	5 GAL	MODERATE
ARCTOSTAPHYLOS X `PACIFIC MIST`	PACIFIC MIST MANZANITA	5 GAL	LOW
ASTER CHILENSIS	PACIFIC ASTER	1 GAL	LOW
DUDLEYA BRITTONII	GIANT CHALK DUDLEYA	1 GAL	VERY LOW
KNIPHOFIA UVARIA `SHINING SCEPTRE`	POKER PLANT	5 GAL	LOW
LUPINUS EXCUBITUS	GRAPE SODA LUPINE	1 GAL	LOW
SALVIA LEUCOPHYLLA `POINT SAL SPREADER`	PURPLE LEAF SAGE	5 GAL	LOW
SENECIO MANDRALISCAE	BLUE FINGER	1 GAL	LOW
ACCENT/COLOR SHRUBS			
AGAVE ATTENUATA	FOXTAIL AGAVE	5 GAL	LOW
AGAVE VILMORINIANA	OCTOPUS AGAVE	5 GAL	VERY LOW
FURCRAEA MACDOUGALII	FALSE AGAVE	5 GAL	LOW
GRASSES			
FESTUCA MAIREI	ATLAS FESCUE	5 GAL	LOW
LYGEUM SPARTUM	FALSE ESPARTO GRASS	5 GAL	LOW
MUHLENBERGIA LINDHEIMERI	LINDHEIMER`S MUHLY	5 GAL	LOW
MUHLENBERGIA RIGENS	DEER GRASS	5 GAL	LOW
PENNISETUM X `FAIRY TAILS`	EVERGREEN FOUNTAIN GRASS	5 GAL	MODERATE
VINES/CLIMBING SHRUBS			
CLEMATIS LASIANTHA	PIPESTEM CLEMATIS	5 GAL	VERY LOW
CLEMATIS LIGUSTICIFOLIA	WESTERN WHITE CLEMATIS	5 GAL	LOW
CLEMATIS MACROPETALA	CLEMATIS	5 GAL	MODERATE
LONICERA HISPIDULA	HONEYSUCKLE	5 GAL	LOW
WISTERIA SINENSIS	CHINESE WISTERIA	15 GAL	MODERATE

PRELIMINARY PLANT PALETTE NOTES:

1. THE OBJECTIVE OF THE OVERALL LANDSCAPING CONCEPT IS TO PROVIDE A DISTINCT VISUAL IMPRESSION AND COMMUNITY IDENTITY, SOFTEN THE URBAN EXPERIENCE, PROVIDE THE HIGHEST LEVEL OF AESTHETIC STANDARDS COMPLIMENTED BY THE QUALITY OF THE BUILDING MATERIALS THAT WILL ASSURE AN ATTRACTIVE ENVIRONMENT ENHANCING THE QUALITY OF LIFE AMONG ITS RESIDENTS AND VISITORS.
2. THE LANDSCAPE IRRIGATION CONCEPT FOR THE SITE WILL BE DESIGNED TO PROVIDE THE MOST EFFICIENT AND CONSERVING MEANS TO DISTRIBUTE IRRIGATION WATER AND PROVIDE THE PROPERTY MANAGER WITH THE LATEST TECHNOLOGY FOR WATER CONSERVATION.
3. THE FOLLOWING PLANT MATERIAL AS SELECTED IS COMPLIANT WITH CITY OF LOS ANGELES GREEN INITIATIVES OR CAL GREEN EQUIVALENT INCLUDING CONSIDERATION FOR WATER CONSERVATION AND NON-INVASIVE SPECIES AND PROMOTES THE OBJECTIVES OF THE S.N.A.P SPECIFIC PLAN.

IRRIGATION CONCEPT NOTES:

THE FOLLOWING IS A SUMMARY OF THE PROPOSED IRRIGATION CONCEPT FOR THE LANDSCAPED AREAS:

PURPOSE: TO PROVIDE THE LANDSCAPE MAINTENANCE COMPANY A MECHANICAL DEVICE TO DISTRIBUTE WATER AND ENSURE PLANT SURVIVAL IN THE MOST EFFICIENT MANNER AND WITHIN A TIME FRAME THAT LEAST INTERFERES WITH THE ACTIVITIES OF THE RESIDENTS.

CONCEPT: THE SYSTEM WILL DERIVE ITS WATER FROM THE CITY OF LOS ANGELES DEPARMENT of WATER AND POWER. ALL POINTS OF CONNECTIONS WILL BE PROTECTED BY A BACKFLOW PREVENTION UNIT IN ACCORDANCE WITH CITY OF LOS ANGELES DEPARMENT of WATER AND POWER STANDARDS. THE SYSTEM WILL UTILIZE VARIOUS TYPES OF IRRIGATION HEADS COMPATIBLE WITH THE AREA BEING WATERED AND INFILTRATION RATES OF THE SOIL WITH MATCHED PRECIPITATION RATES. THE SYSTEM WILL BE CONTROLLED BY A "SMART CONTROLLER" AND MOISTURE SENSING EQUIPMENT. VALVES PROGRAMMED FROM AUTOMATIC CONTROLLERS WILL MAXIMIZE EFFICIENT WATER APPLICATION.

TO AVOID WASTED WATER, THE CONTROLS WILL BE OVERSEEN BY A FLOW MONITOR THAT WILL DETECT ANY BROKEN SPRINKLER HEADS TO STOP THAT STATION'S OPERATION, ADVANCING TO THE NEXT WORKABLE STATION. IN THE EVENT OF PRESSURE SUPPLY LINE BREAKAGE, IT WILL COMPLETELY STOP THE OPERATION OF THE SYSTEM. ALL MATERIAL WILL BE NONFERROUS, WITH THE EXCEPTION OF THE BRASS PIPING INTO AND OUT OF THE BACKFLOW UNITS. ALL WORK WILL BE IN THE BEST ACCEPTABLE MANNER IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS PREVAILING IN THE INDUSTRY. WATERING WILL COMFORM WITH CITY OF LOS ANGELES WATER CONSERVATION REQUIREMENTS.

CITY of L.A. LANDSCAPE NOTES

1. THE PLANTING AND IRRIGATION SYSTEM SHALL BE COMPLETED BY THE DEVELOPER/BUILDER PRIOR TO THE CLOSE OF ESCROW OF FIFTY (50) PERCENT OF THE UNITS OF THE PROJECT OR PHASE
2. SIXTY (60) DAYS AFTER THE LANDSCAPE AND IRRIGATION INSTALLATION, THE LANDSCAPE PROFESSIONAL SHALL SUBMIT TO THE HOMEOWNERS/PROPERTY OWNERS ASSOCIATION A CERTIFICATE OF SUBSTANTIAL COMPLETION.
3. THE DEVELOPER/BUILDER SHALL MAINTAIN THE LANDSCAPING AND IRRIGATION FOR SIXTY (60) DAYS AFTER COMPLETION OF THE LANDSCAPE AND IRRIGATION INSTALLATION.
4. THE DEVELOPER/BUILDER SHALL GUARANTEE ALL TREES AND IRRIGATION FOR A PERIOD OF SIX (6) MONTHS AND ALL OTHER PLANTS FOR A PERIOD OF SIXTY (60) DAYS AFTER THE LANDSCAPE AND IRRIGATION INSTALLATION.

BICYCLE PARKING

USES	SITE LOCATION	REQUIRED	PROVIDED
RESIDENTIAL (SHORT TERM)	ALONG SUNSET BLVD	13 SPACES	14 SPACES
COMMERICAL (SHORT TERM)	ALONG SUNSET BLVD	5 SPACES	6 SPACES
TOTAL		18 SPACES	20 SPACES

EXISTING TREE NOTE

- NO PROTECTED TREES ON SITE.
- NO PROTECTED TREES OFF SITE - STREET TREES TO BE MAINTAINED AS SHOWN.

OPEN SPACE REQUIREMENTS

PER LA CITY ZONING CODE, SECTION 12.21G

OPEN SPACE REQUIREMENTS:	UNITS	OPEN SPACE REQUIRED
100 S.F. FOR UNITS < 3 HABITABLE ROOMS	243	= 24,300 S.F.
125 S.F. FOR UNITS = 3 HABITABLE ROOMS	79	= 9,875 S.F.
175 S.F. FOR UNITS > 3 HABITABLE ROOMS	5	= 875 S.F.
TOTAL REQUIRED		= 35,050 S.F.
	INCENTIVE: 30% REDUCTION	= 24,535 S.F.

PROVIDED OPEN SPACE :

PRIVATE DECKS - BLDG 'A' 5,200 SF + BLDG 'B' 1,050 SF	=	6,250 S.F.
PLAZA (NON-COMPLIANT - AREA BELONGS TO COMM. NOT RESIDENCES)	=	0 S.F.
COURTYARDS (COMPLIANT)	=	7,580 S.F.
ROOF DECK (COMPLIANT - BLDG 'A' + BLDG 'B')	=	4,797 S.F.
INDOOR AMENITIES (COMPLIANT - BLDG 'A' + BLDG 'B')	=	5,913 S.F.
TOTAL PROVIDED (COMPLIANT)		24,540 S.F.

LANDSCAPE AREA REQUIRED (25% OF 12,268 S.F. - 50% OF COMMON OPEN SPACE) 3,067 S.F.

LANDSCAPE AREA PROVIDED:

LEVEL 1 THROUGH 7 (SLOPE PLANTING OMITTED) 12,881 S.F.

9,814 S.F. EXCESS

TREE REQUIREMENTS:

PRIVATE TREES - PER LA CITY ZONING CODE, SECTION 12.21G

1 TREE PER 4 UNITS — 327 UNITS - UNITS/4 = — TREES REQUIRED: 82

TREES PROVIDED - 24" BOX OR GREATER — TREES PROVIDED: 83

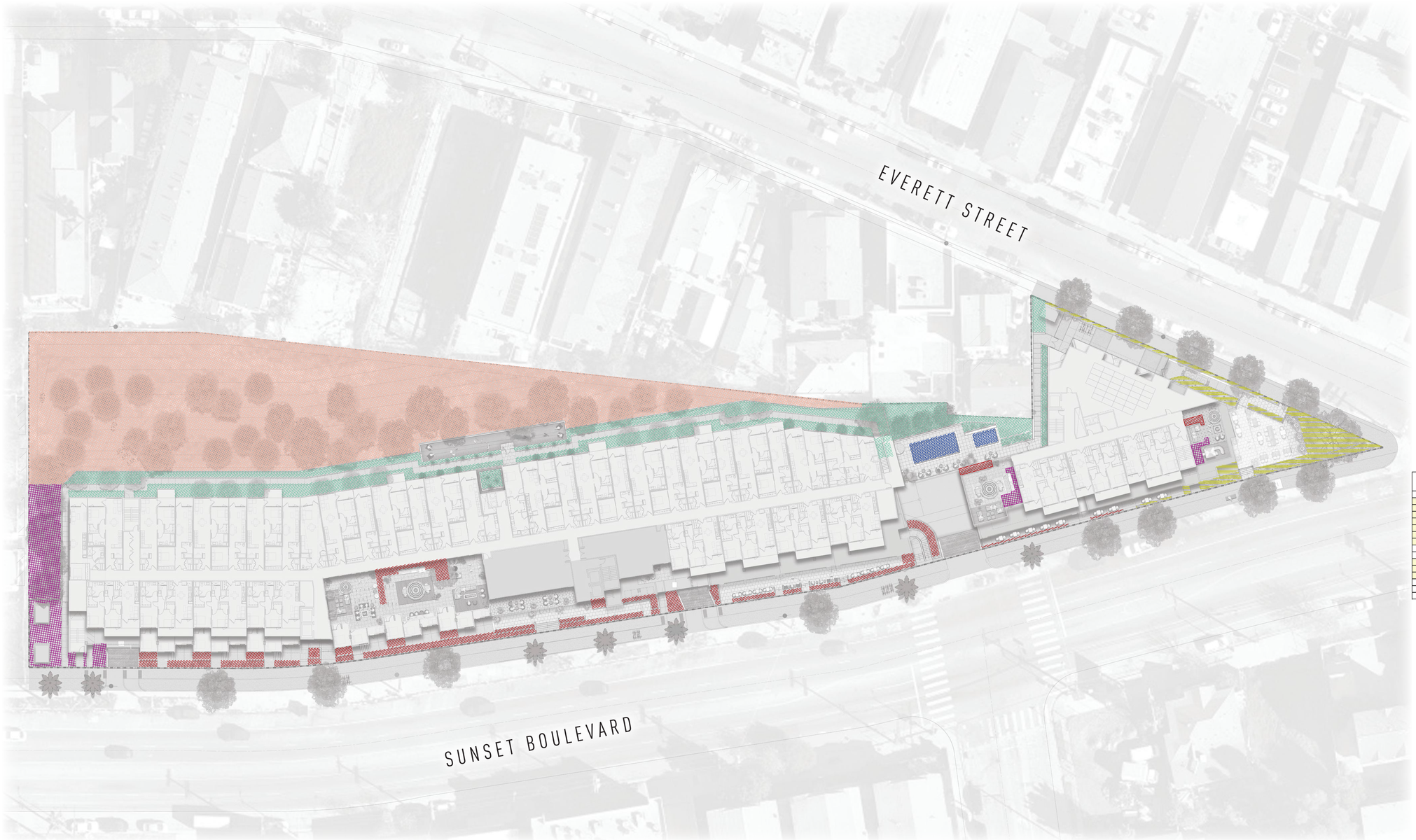
GROUND LEVELS - 82 TREES (14 OF 82 TREES IN R.O.W.)
ROOF DECKS - 1 TREE

GENERAL PLANTING NOTES:

1. MAINTAIN SHRUBS AT 24" HIGH INSIDE OF STREET AND DRIVEWAY LINE OF SIGHT.
2. SECURITY PLANTING MATERIALS WILL BE UTILIZED ALONG WALL AND PROPERTY LINES AND UNDER VULNERABLE WINDOWS AND BALCONIES.
3. ROOT BARRIERS ARE REQUIRED FOR ALL TREES WITHIN 5' OF ANY HARDSCAPE SURFACE.
4. PLANT MATURITY - SHRUBS WILL REACH MATURITY IN 3 YEAR / TREES WILL REACH MATURITY IN 5 YEARS

POTENTIAL LANDSCAPE AREA

POTENTIAL LANDSCAPE AREA = (SITE) 107,100 S.F. - (BUILDING) 57,076 S.F. = 50,024 S.F.



IRRIGATION HYDROZONES:

SYMBOL	HYDROZONE	AREA	WATER USAGE	PLANT FACTOR (Kc)
	HYDRO-ZONE - 1 WESTERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	2063 S.F.	LOW	0.30
	HYDRO-ZONE - 2 NORTHERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	5969 S.F.	LOW	0.30
	HYDRO-ZONE - 3 SOUTHERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	2636 S.F.	MODERATE	0.40
	HYDRO-ZONE -4 EASTERN SUN EXPOSURE IRRIGATION TECHNIQUE SHRUBS - SUB SURFACE DRIP IRRIGATION	1765 S.F.	MODERATE	0.40
	HYDRO-ZONE - 5 POOL AND SPA	448 S.F.	HIGH	1.0
	HYDRO-ZONE - 6 SLOPE PLANTING	24545 S.F.	LOW	0.30
TOTAL HYDROZONE AREA:	37,426 S.F.			

WATER EFFICIENT LANDSCAPE WORKSHEET

Reference Evapotranspiration (ETo) 45.40 **ETAF for MAWA** 0.55 (Residential)

Hydrozone # /Planting Description[a]	Plant Factor (PF)	Irrigation Method[c]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU)[d]
Regular Landscape Areas							
Hydrozone 1 - Western Sun Exposure	0.30	drip	0.81	0.37	2,063	764	21,507
Hydrozone 2 - Northern Sun Exposure	0.40	drip	0.81	0.49	5,969	2,948	82,971
Hydrozone 3 - Southern Sun Exposure	0.40	drip	0.81	0.49	2,636	1,302	36,641
Hydrozone 4 - Eastern Sun Exposure	0.40	drip	1	0.40	1,765	706	19,872
Hydrozone 5 - Pool and Spa	1.00	SLA	1	1.00	448	448	12,610
Hydrozone 6 - Slope Planting	0.40	drip	1	0.40	24,545	9,818	276,357
				Totals	37,426	15,985	449,959
Special Landscape Areas							
				Totals			
						ETWU Total	**449,959**
						Maximum Allowed Water Allowance (MAWA)[e]	**579,407**

MJS LANDSCAPE ARCHITECTURE

Aragon Properties LTD.
1628 W. 1st Ave.
Vancouver, BC, Canada

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

SCHEMATIC DESIGN
FEBRUARY 5, 2024

0' 15' 30' 60'

IRRIGATION HYDROZONE PLAN

L.7

AIR QUALITY TECHNICAL REPORT

Introduction

This technical report addresses the air quality impacts generated by construction and operation of the Proposed Sunset & Everett Project on the east side of Sunset Boulevard north of Everett Street in the City of Los Angeles. The analysis evaluates the consistency of the Project with the air quality policies set forth within the South Coast Air Quality Management District's (SCAQMD) Air Quality Management Plan (AQMP) and the City's General Plan. The analysis of Project-generated air emissions focuses on whether the Project would cause an exceedance of an ambient air quality standard or SCAQMD significance threshold. Calculation worksheets, assumptions, and model outputs used in the analysis are included in the Technical Appendix to this analysis.

Regulatory Framework

Federal

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years, with the most recent amendments in 1990. At the federal level, the United States Environmental Protection Agency (USEPA) is responsible for implementation of some portions of the CAA (e.g., certain mobile source and other requirements). Other portions of the CAA (e.g., stationary source requirements) are implemented by state and local agencies. In California, the CCAA is administered by the California Air Resources Board (CARB) at the state level and by the air quality management districts and air pollution control districts at the regional and local levels.

The 1990 amendments to the CAA identify specific emission reduction goals for areas not meeting the National Ambient Air Quality Standard (NAAQS). These amendments require both a demonstration of reasonable further progress toward attainment and incorporation of additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA which are most applicable to the Project include Title I (Nonattainment Provisions) and Title II (Mobile Source Provisions).

NAAQS have been established for seven major air pollutants: CO (carbon monoxide), NO_2 (nitrogen dioxide), O_3 (ozone), $PM_{2.5}$ (particulate matter, 2.5 microns), PM_{10} (particulate matter, 10 microns), SO_2 (sulfur dioxide), and Pb (lead).

The Clean Air Act (CAA) requires the USEPA to designate areas as attainment, nonattainment, or maintenance (previously nonattainment and currently attainment) for each criteria pollutant based on whether the National Ambient Air Quality Standards (NAAQS) have been achieved. Title I provisions are implemented for the purpose of attaining NAAQS. The federal standards are summarized in Table 1. The USEPA has classified the Los Angeles County portion of the South Coast Air Basin (Basin) as a nonattainment area for O_3, $PM_{2.5}$, and Pb.

Table 1
State and National Ambient Air Quality Standards and Attainment Status for LA County

Pollutant	Averaging Period	California		Federal	
		Standards	Attainment Status	Standards	Attainment Status
Ozone (O_3)	1-hour	0.09 ppm (180 µg/m^3)	Non-attainment	--	--
	8-hour	0.070 ppm (137 µg/m^3)	N/A[1]	0.070 ppm (137 µg/m^3)	Non-attainment
Respirable Particulate Matter (PM_{10})	24-hour	50 µg/m^3	Non-attainment	150 µg/m^3	Maintenance
	Annual Arithmetic Mean	20 µg/m^3	Non-attainment	--	--
Fine Particulate Matter ($PM_{2.5}$)	24-hour	--	--	35 µg/m^3	Non-attainment
	Annual Arithmetic Mean	12 µg/m^3	Non-attainment	12 µg/m^3	Non-attainment
Carbon Monoxide (CO)	1-hour	20 ppm (23 mg/m^3)	Attainment	35 ppm (40 mg/m^3)	Maintenance
	8-hour	9.0 ppm (10 mg/m^3)	Attainment	9 ppm (10 mg/m^3)	Maintenance
Nitrogen Dioxide (NO_2)	1-hour	0.18 ppm (338 µg/m^3)	Attainment	100 ppb (188 µg/m^3)	Maintenance
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	Attainment	53 ppb (100 µg/m^3)	Maintenance
Sulfur Dioxide (SO_2)	1-hour	0.25 ppm (655 µg/m^3)	Attainment	75 ppb (196 µg/m^3)	Attainment
	24-hour	0.04 ppm (105 µg/m^3)	Attainment	--	--
Lead (Pb)	30-day average	1.5 µg/m^3	Attainment	--	--
	Calendar Quarter	--	--	0.15 µg/m^3	Non-attainment
Visibility Reducing Particles	8-hour	Extinction of 0.07 per kilometer	N/A	No Federal Standards	
Sulfates	24-hour	25 µg/m^3	Attainment	No Federal Standards	
Hydrogen Sulfide (H_2S)	1-hour	0.03 ppm (42 µg/m^3)	Unclassified	No Federal Standards	
Vinyl Chloride	24-hour	0.01 ppm (26 µg/m^3)	N/A	No Federal Standards	

[1]N/A = not available
Source: CARB, Ambient Air Quality Standards, and attainment status, 2020 (www.arb.ca.gov/desig/adm/adm.htm).

CAA Title II pertains to mobile sources, such as cars, trucks, buses, and planes. Reformulated gasoline and automobile pollution control devices are examples of the mechanisms the USEPA uses to regulate mobile air emission sources. The provisions of Title II have resulted in tailpipe emission standards for vehicles, which have been strengthened in recent years to improve air quality. For example, the standards for NO_X emissions have been lowered substantially and the specification requirements for cleaner burning gasoline are more stringent.

The USEPA regulates emission sources that are under the exclusive authority of the federal government, such as aircraft, ships, and certain types of locomotives. USEPA has jurisdiction over emission sources outside state waters (e.g., beyond the outer continental shelf) and establishes various emission standards, including those for vehicles sold in states other than California. Automobiles sold in California must meet stricter emission standards established by CARB. USEPA adopted multiple tiers of emission standards to reduce emissions from non-road diesel engines (e.g., diesel-powered construction equipment) by integrating engine and fuel controls as a system to gain the greatest emission reductions. The first federal standards (Tier 1) for new non-road (or off-road) diesel engines were adopted in 1994 for engines over 50 horsepower, to be phased-in from 1996 to 2000. On August 27, 1998, USEPA introduced Tier 1 standards for equipment under 37 kW (50 horsepower) and increasingly more stringent Tier 2 and Tier 3 standards for all equipment with phase-in schedules from 2000 to 2008. The Tier 1 through 3 standards were met through advanced engine design, with no or only limited use of exhaust gas after-treatment (oxidation catalysts). Tier 3 standards for NO_X and hydrocarbon are similar in stringency to the 2004 standards for highway engines. However, Tier 3 standards for particulate matter were never adopted. On May 11, 2004, USEPA signed the final rule introducing Tier 4 emission standards, which were phased-in between 2008 and 2015. The Tier 4 standards require that emissions of particulate matter and NO_X be further reduced by about 90 percent. Such emission reductions are achieved through the use of control technologies—including advanced exhaust gas after-treatment.

State

California Clean Air Act. In addition to being subject to the requirements of CAA, air quality in California is also governed by more stringent regulations under the California Clean Air Act (CCAA). In California, CCAA is administered by CARB at the state level and by the air quality management districts and air pollution control districts at the regional and local levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for meeting the state requirements of the CAA, administering the CCAA, and establishing the California Ambient Air Quality Standards (CAAQS). The CCAA, as amended in 1992, requires all air districts in the State to endeavor to achieve and maintain the CAAQS. CAAQS are generally more stringent than the corresponding federal standards and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles.

CARB regulates mobile air pollution sources, such as motor vehicles. CARB is responsible for setting emission standards for vehicles sold in California and for other emission sources, such as consumer products and certain off-road equipment. CARB established passenger vehicle fuel specifications in March 1996. CARB oversees the functions of local air pollution control districts and air quality management districts, which, in turn, administer air quality activities at the regional and county levels. The State standards are summarized in Table 1.

The CCAA requires CARB to designate areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS thresholds have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a state standard and are not used as a basis for designating areas as nonattainment. Under the CCAA, the non-desert Los Angeles County portion of the Basin is designated as a nonattainment area for O_3, PM_{10}, and $PM_{2.5}$.

In August 2022, CARB approved regulations to ban new gasoline-powered cars beginning with 2035 models. Automakers will gradually electrify their fleet of new vehicles, beginning with 35 percent of 2026 models sold. In March 2023, USEPA approved CARB's regulations that mandate that all new medium- and heavy-duty trucks would be zero emissions by 2045 where feasible. Trucking companies would also have to gradually convert their existing fleets to zero emission vehicles.

Toxic Air Contaminant Identification and Control Act. The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. CARB's statewide comprehensive air toxics program was established in the early 1980s. The Toxic Air Contaminant Identification and Control Act created California's program to reduce exposure to air toxics. Under the Toxic Air Contaminant Identification and Control Act, CARB is required to use certain criteria in the prioritization for the identification and control of air toxics. In selecting substances for review, CARB must consider criteria relating to "the risk of harm to public health, amount or potential amount of emissions, manner of, and exposure to, usage of the substance in California, persistence in the atmosphere, and ambient concentrations in the community" [Health and Safety Code Section 39666(f)].

The Toxic Air Contaminant Identification and Control Act also requires CARB to use available information gathered from the Air Toxics "Hot Spots" Information and Assessment Act program to include in the prioritization of compounds. CARB identified particulate emissions from diesel-fueled engines (diesel PM) TACs in August 1998. Following the identification process, CARB was required by law to determine if there is a need for further control, which led to the risk management phase of the program. For the risk management phase, CARB formed the Diesel Advisory Committee to assist in the development of a risk management guidance document and a risk reduction plan. With the assistance of the Diesel Advisory Committee and its subcommittees, CARB developed the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles and the Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines. The Board approved these documents on September 28, 2000, paving the way for the next step in the regulatory process: the control measure phase. During the control measure phase, specific Statewide regulations designed to further reduce diesel PM emissions from diesel-fueled engines and vehicles have and continue to be evaluated and developed. The goal of each regulation is to make diesel engines as clean as possible by establishing state-of-the-art technology requirements or emission standards to reduce diesel PM emissions. Breathing H_2S at levels above the state standard could result in exposure to a disagreeable rotten eggs odor. The State does not regulate other odors.

California Air Toxics Program. The California Air Toxics Program was established in 1983, when the California Legislature adopted Assembly Bill (AB) 1807 to establish a two-step process of risk identification and risk management to address potential health effects from exposure to toxic substances

in the air.[1] In the risk identification step, CARB and the Office of Environmental Health Hazard Assessment (OEHHA) determine if a substance should be formally identified, or "listed," as a TAC in California. Since inception of the program, a number of such substances have been listed, including benzene, chloroform, formaldehyde, and particulate emissions from diesel-fueled engines, among others.[2] In 1993, the California Legislature amended the program to identify the 189 federal hazardous air pollutants as TACs.

In the risk management step, CARB reviews emission sources of an identified TAC to determine whether regulatory action is needed to reduce risk. Based on results of that review, CARB has promulgated a number of airborne toxic control measures (ATCMs), both for mobile and stationary sources. In 2004, CARB adopted an ATCM to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel PM and other TACs. The measure applies to diesel-fueled commercial vehicles with gross vehicle weight ratings greater than 10,000 pounds that are licensed to operate on highways, regardless of where they are registered. This measure does not allow diesel-fueled commercial vehicles to idle for more than five minutes at any given time.

In addition to limiting exhaust from idling trucks, CARB adopted regulations on July 26, 2007 for off-road diesel construction equipment such as bulldozers, loaders, backhoes, and forklifts, as well as many other self-propelled off-road diesel vehicles to reduce emissions by installation of diesel particulate filters and encouraging the replacement of older, dirtier engines with newer emission-controlled models. In April 2021, CARB proposed a 2020 Mobile Source Strategy that seeks to move California to 100 percent zero-emission off-road equipment by 2035.

Assembly Bill 2588 Air Toxics "Hot Spots" Program. The AB 1807 program is supplemented by the AB 2588 Air Toxics "Hot Spots" program, which was established by the California Legislature in 1987. Under this program, facilities are required to report their air toxics emissions, assess health risks, and notify nearby residents and workers of significant risks if present. In 1992, the AB 2588 program was amended by Senate Bill (SB) 1731 to require facilities that pose a significant health risk to the community to reduce their risk through implementation of a risk management plan.

Air Quality and Land Use Handbook: A Community Health Perspective. The *Air Quality and Land Use Handbook: A Community Health Perspective* provides important air quality information about certain types of facilities (e.g., freeways, refineries, rail yards, ports) that should be considered when siting sensitive land uses such as residences.[3] CARB provides recommended site distances from certain types of facilities when considering siting new sensitive land uses. The recommendations are advisory and should not be interpreted as defined "buffer zones." If a project is within the siting distance, CARB recommends further analysis. Where possible, CARB recommends a minimum separation between new sensitive land uses and existing sources.

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1 California Air Resources Board, California Air Toxics Program, www.arb.ca.gov/toxics/toxics.htm, last reviewed by CARB September 24, 2015.

2 California Air Resources Board, Toxic Air Contaminant Identification List, www.arb.ca.gov/toxics/id/taclist.htm, last reviewed by CARB July 18, 2011.

3 California Air Resources Board, Air Quality and Land Use Handbook, a Community Health Perspective, April 2005.

Air Quality and Land Use Handbook. CARB published the *Air Quality and Land Use Handbook* (CARB Handbook) on April 28, 2005 to serve as a general guide for considering health effects associated with siting sensitive receptors proximate to sources of TAC emissions. The recommendations provided therein are voluntary and do not constitute a requirement or mandate for either land use agencies or local air districts. The goal of the guidance document is to protect sensitive receptors, such as children, the elderly, acutely ill, and chronically ill persons, from exposure to TAC emissions. Some examples of CARB's siting recommendations include the following: (1) avoid siting sensitive receptors within 500 feet of a freeway, urban road with 100,000 vehicles per day, or rural roads with 50,000 vehicles per day; (2) avoid siting sensitive receptors within 1,000 feet of a distribution center (that accommodates more than 100 trucks per day, more than 40 trucks with operating transport refrigeration units per day, or where transport refrigeration unit operations exceed 300 hours per week); and (3) avoid siting sensitive receptors within 300 feet of any dry cleaning operation using perchloroethylene and within 500 feet of operations with two or more machines.

California Code of Regulations. The California Code of Regulations (CCR) is the official compilation and publication of regulations adopted, amended or repealed by the state agencies pursuant to the Administrative Procedure Act. The CCR includes regulations that pertain to air quality emissions. Specifically, Section 2485 in CCR Title 13 states that the idling of all diesel-fueled commercial vehicles (weighing over 10,000 pounds) used during construction shall be limited to five minutes at any location. In addition, Section 93115 in CCR Title 17 states that operation of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emission standards.

Regional (South Coast Air Quality Management District)

The SCAQMD was created in 1977 to coordinate air quality planning efforts throughout Southern California. SCAQMD is the agency principally responsible for comprehensive air pollution control in the region. Specifically, SCAQMD is responsible for monitoring air quality, as well as planning, implementing, and enforcing programs designed to attain and maintain the CAAQS and NAAQS in the district. SCAQMD has jurisdiction over an area of 10,743 square miles consisting of Orange County; the non-desert portions of Los Angeles, Riverside, and San Bernardino counties; and the Riverside County portion of the Salton Sea Air Basin and Mojave Desert Air Basin. The Basin portion of SCAQMD's jurisdiction covers an area of 6,745 square miles. The Basin includes all of Orange County and the non-desert portions of Los Angeles (including the Project Area), Riverside, and San Bernardino counties.

Programs that were developed by SCAQMD to attain and maintain the CAAQS and NAAQS include air quality rules and regulations that regulate stationary sources, area sources, point sources, and certain mobile source emissions. SCAQMD is also responsible for establishing stationary source permitting requirements and for ensuring that new, modified, or relocated stationary sources do not create net emission increases. However, SCAQMD has primary authority over about 20 percent of NO_x emissions, a precursor to ozone formation. All projects in the SCAQMD jurisdiction are subject to SCAQMD rules and regulations, including, but not limited to the following:

- SCAQMD Rule 402, which states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

- SCAQMD Rule 403, would reduce the amount of particulate matter entrained in ambient air as a result of anthropogenic fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

- SCAQMD Rule 431.2, would require use of low-sulfur fuel in construction equipment.

- SCAQMD Rule 445 would prohibit the inclusion of wood burning fireplaces in any residences.

- SCAQMD Rule 1113, which limits the VOC content of architectural coatings.

- In accordance with Section 2485 in Title 13 of the California Code of Regulations, the idling of all diesel-fueled commercial vehicles (with gross vehicle weight over 10,000 pounds) during construction would be limited to five minutes at any location.

- In accordance with Section 93115 in Title 17 of the California Code of Regulations, operation of any stationary, diesel-fueled, compression-ignition engines would meet specific fuel and fuel additive requirements and emissions standards.

Air Quality Management Plan. SCAQMD adopted the 2022 Air Quality Management Plan (AQMP) on December 2, 2022, updating the region's air quality attainment plan to address the "extreme" ozone non-attainment status for the Basin and the severe ozone non-attainment for the Coachella Valley Basin by laying a path for attainment by 2037. This includes reducing NOx emissions by 67 percent more than required by adopted rules and regulations in 2037. The AQMP calls on strengthening many stationary source controls and addressing new sources like wildfires, but still concludes that the region will not meet air quality standards without a significant shift to zero emission technologies and significant federal action. The 2022 AQMP relies on the growth assumptions in SCAG's 2020-2045 RTP/SCS.

Multiple Air Toxics Exposure Study V. To date, the most comprehensive study on air toxics in the Basin is the Multiple Air Toxics Exposure Study V, released in August 2021.[4] The report included refinements in aircraft and recreational boating emissions and diesel conversion factors. It finds a Basin average cancer risk of 455 in a million (population-weighted, multi-pathway), which represents a decrease of 54 percent compared to the estimate in MATES IV (page ES-13). The monitoring program measured more than 30 air pollutants, including both gases and particulates. The monitoring study was accompanied by computer modeling that estimated the risk of cancer from breathing toxic air pollution based on emissions and weather data. About 88 percent of the risk is attributed to emissions associated with mobile sources, with the remainder attributed to toxics emitted from stationary sources, which include large industrial operations, such as refineries and metal processing facilities, as well as smaller businesses such as gas stations and chrome plating facilities (page ES-12). The results indicate that

[4] South Coast Air Quality Management District, MATES-V Study. https://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v

diesel PM is the largest contributor to air toxics risk, accounting on average for about 50 percent of the total risk (Figure ES-2).

Regional (Southern California Association of Governments)

SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties, and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG coordinates with various air quality and transportation stakeholders in Southern California to ensure compliance with the federal and state air quality requirements, including the Transportation Conformity Rule and other applicable federal, state, and air district laws and regulations. As the federally designated Metropolitan Planning Organization (MPO) for the six-county Southern California region, SCAG is required by law to ensure that transportation activities "conform" to, and are supportive of, the goals of regional and state air quality plans to attain the NAAQS. In addition, SCAG is a co-producer, with the SCAQMD, of the transportation strategy and transportation control measure sections of the AQMP for the Air Basin.

SCAG adopted the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) on September 23, 2020. The RTP/SCS aims to address the transportation and air quality impacts of 3.7 million additional residents, 1.6 additional households, and 1.6 million additional jobs from 2016 to 2045. The Plan calls for $639 billion in transportation investments and reducing VMT by 19 percent per capita from 2005 to 2035. The updated plan accommodates 21.3 percent growth in population from 2016 (3,933,800) to 2045 (4,771,300) and a 15.6 percent growth in jobs from 2016 (1,848,300) to 2045 (2,135,900). The regional plan projects several benefits:

- Decreasing drive-along work commutes by three percent
- Reducing per capita VMT by five percent and vehicle hours traveled per capita by nine percent
- Increasing transit commuting by two percent
- Reducing travel delay per capita by 26 percent
- Creating 264,500 new jobs annually
- Reducing greenfield development by 29 percent by focusing on smart growth
- Locating six more percent household growth in High Quality Transit Areas (HQTAs), which concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.
- Locating 15 percent more jobs in HQTAs
- Reducing $PM_{2.5}$ emissions by 4.1 percent
- Reducing GHG emissions by 19 percent by 2035

Local (City of Los Angeles)

City of Los Angeles General Plan Air Quality Element. The Air Quality Element of the City's General Plan was adopted on November 24, 1992, and sets forth the goals, objectives, and policies, which guide the City in the implementation of its air quality improvement programs and strategies. The Air Quality Element acknowledges the interrelationships among transportation and land use planning in meeting the City's mobility and air quality goals.

The Air Quality Element includes six key goals:

Goal 1: Good air quality in an environment of continued population growth and healthy economic structure.

Goal 2: Less reliance on single-occupant vehicles with fewer commute and non-work trips.

Goal 3: Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand management techniques.

Goal 4: Minimize impacts of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality.

Goal 5: Energy efficiency through land use and transportation planning, the use of renewable resources and less-polluting fuels and the implementation of conservation measures including passive measures such as site orientation and tree planting.

Goal 6: Citizen awareness of the linkages between personal behavior and air pollution and participation in efforts to reduce air pollution.

Clean Up Green Up Ordinance. The City of Los Angeles adopted a Clean Up Green Up Ordinance (Ordinance Number 184,245) on April 13, 2016, which among other provisions, includes provisions related to ventilation system filter efficiency in mechanically ventilated buildings. This ordinance added Sections 95.314.3 and 99.04.504.6 to the Los Angeles Municipal Code (LAMC) and amended Section 99.05.504.5.3 to implement building standards and requirements to address cumulative health impacts resulting from incompatible land use patterns.

California Environmental Quality Act. In accordance with CEQA requirements, the City assesses the air quality impacts of new development projects, requires mitigation of potentially significant air quality impacts by conditioning discretionary permits, and monitors and enforces implementation of such mitigation. The City uses the SCAQMD's *CEQA Air Quality Handbook* and SCAQMD's supplemental online guidance/information for the environmental review of development proposals within its jurisdiction.

Land Use Compatibility. In November 2012, the Los Angeles City Planning Commission (CPC) issued an advisory notice (Zoning Information 2427) regarding the siting of sensitive land uses within 1,000 feet of freeways. The CPC deemed 1,000 feet to be a conservative distance to evaluate projects that house populations considered to be more at-risk from the negative effects of air pollution caused by freeway proximity. The CPC advised that applicants of projects requiring discretionary approval, located within 1,000 feet of a freeway and contemplating residential units and other sensitive uses (e.g., hospitals, schools, retirement homes) perform a Health Risk Assessment (HRA). The Project Site is 1,080 feet northeast of the northbound mainline of the Hollywood Freeway (US-101) and 1,450 feet northwest of the southbound mainline of the Harbor Freeway (SR-110).

On April 12, 2018, the City updated its guidance on siting land uses near freeways, resulting in an updated Advisory Notice effective September 17, 2018 requiring all proposed projects within 1,000 feet of a freeway adhere to the Citywide Design Guidelines, including those that address freeway proximity. It also recommended that projects consider avoiding location of sensitive uses like schools, day care facilities, and senior care centers in such projects, locate open space areas as far from the freeway, locate non-habitable uses (e.g., parking structures) nearest the freeway, and screen project sites with substantial vegetation and/or a wall barrier. Requirements for preparing HRAs were removed.

Existing Conditions

Pollutants and Effects

Air quality is defined by ambient air concentrations of seven specific pollutants identified by the USEPA to be of concern with respect to health and welfare of the general public. These specific pollutants, known as "criteria air pollutants," are defined as pollutants for which the federal and State governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants include carbon monoxide (CO), ground-level ozone (O_3), nitrogen oxides (NO_X), sulfur oxides (SO_X), particulate matter ten microns or less in diameter (PM_{10}), particulate matter 2.5 microns or less in diameter ($PM_{2.5}$), and lead (Pb). The following descriptions of each criteria air pollutant and their health effects are based on information provided by the SCAQMD.[5]

Carbon Monoxide (CO). CO is primarily emitted from combustion processes and motor vehicles due to incomplete combustion of fuel. Elevated concentrations of CO weaken the heart's contractions and lower the amount of oxygen carried by the blood. It is especially dangerous for people with chronic heart disease. Inhalation of CO can cause nausea, dizziness, and headaches at moderate concentrations and can be fatal at high concentrations.

Ozone (O_3). O_3 is a gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO_X)—both byproducts of internal combustion engine exhaust—undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable. An elevated level of O_3 irritates the lungs and breathing passages, causing coughing and pain in the chest and throat, thereby increasing susceptibility to respiratory infections and reducing the ability to exercise. Effects are more severe in people with asthma and other respiratory ailments. Long-term exposure may lead to scarring of lung tissue and may lower lung efficiency.

Nitrogen Dioxide (NO_2). NO_2 is a byproduct of fuel combustion and major sources include power plants, large industrial facilities, and motor vehicles. The principal form of nitrogen oxide produced by combustion is nitric oxide (NO), which reacts quickly to form NO_2, creating the mixture of NO and NO_2 commonly called NO_X. NO_2 absorbs blue light and results in a brownish-red cast to the atmosphere and reduced visibility. NO_2 also contributes to the formation of PM_{10}. Nitrogen oxides irritate the nose and throat, and increase one's susceptibility to respiratory infections, especially in people with asthma. The principal concern of NO_X is as a precursor to the formation of ozone.

Sulfur Dioxide (SO_2). Sulfur oxides (SO_X) are compounds of sulfur and oxygen molecules. SO_2 is the pre- dominant form found in the lower atmosphere and is a product of burning sulfur or burning materials that contain sulfur. Major sources of SO_2 include power plants, large industrial facilities, diesel vehicles, and oil-burning residential heaters. Emissions of sulfur dioxide aggravate lung diseases, especially bronchitis. It also constricts the breathing passages, especially in asthmatics and people involved in moderate to heavy exercise. SO_2 potentially causes wheezing, shortness of breath, and coughing. High

[5] South Coast Air Quality Management District, Final Program Environmental Impact Report for the 2012 AQMP, December 7, 2012.

levels of particulates appear to worsen the effect of sulfur dioxide, and long-term exposures to both pollutants leads to higher rates of respiratory illness.

Particulate Matter (PM_{10} and $PM_{2.5}$). The human body naturally prevents the entry of larger particles into the body. However, small particles, with an aerodynamic diameter equal to or less than 10 microns (PM_{10}), and even smaller particles with an aerodynamic diameter equal to or less than 2.5 microns ($PM_{2.5}$), can enter the body and become trapped in the nose, throat, and upper respiratory tract. These small particulates can potentially aggravate existing heart and lung diseases, change the body's defenses against inhaled materials, and damage lung tissue. The elderly, children, and those with chronic lung or heart disease are most sensitive to PM_{10} and $PM_{2.5}$. Lung impairment can persist for two to three weeks after exposure to high levels of particulate matter. Some types of particulates can become toxic after inhalation due to the presence of certain chemicals and their reaction with internal body fluids.

Lead (Pb). Lead is emitted from industrial facilities and from the sanding or removal of old lead-based paint. Smelting or processing the metal is the primary source of lead emissions, which is primarily a regional pollutant. Lead affects the brain and other parts of the body's nervous system. Exposure to lead in very young children impairs the development of the nervous system, kidneys, and blood forming processes in the body.

State-Only Criteria Pollutants

Visibility-Reducing Particles. Deterioration of visibility is one of the most obvious manifestations of air pollution and plays a major role in the public's perception of air quality. Visibility reduction from air pollution is often due to the presence of sulfur and NO_X, as well as PM.

Sulfates (SO_4^{2-}). Sulfates are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized during the combustion process and subsequently converted to sulfate compounds in the atmosphere. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms, and an increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and, due to fact that they are usually acidic, can harm ecosystems and damage materials and property.

Hydrogen Sulfide (H_2S). H_2S is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation. Breathing H_2S at levels above the state standard could result in exposure to a very disagreeable odor.

Vinyl Chloride. Vinyl chloride is a colorless, flammable gas at ambient temperature and pressure. It is also highly toxic and is classified as a known carcinogen by the American Conference of Governmental Industrial Hygienists and the International Agency for Research on Cancer. At room temperature, vinyl chloride is a gas with a sickly-sweet odor that is easily condensed. However, it is stored at cooler temperatures as a liquid. Due to the hazardous nature of vinyl chloride to human health, there are no end products that use vinyl chloride in its monomer form. Vinyl chloride is a chemical intermediate, not a final product. It is an important industrial chemical chiefly used to produce polyvinyl chloride (PVC).

The process involves vinyl chloride liquid fed to polymerization reactors where it is converted from a monomer to a polymer PVC. The final product of the polymerization process is PVC in either a flake or pellet form. Billions of pounds of PVC are sold on the global market each year. From its flake or pellet form, PVC is sold to companies that heat and mold the PVC into end products such as PVC pipe and bottles. Vinyl chloride emissions are historically associated primarily with landfills.

Toxic Air Contaminants (TACs)

TACs refer to a diverse group of "non-criteria" air pollutants that can affect human health but have not had ambient air quality standards established for them. This is not because they are fundamentally different from the pollutants discussed above but because their effects tend to be local rather than regional. TACs are classified as carcinogenic and noncarcinogenic, where carcinogenic TACs can cause cancer and noncarcinogenic TAC can cause acute and chronic impacts to different target organ systems (e.g., eyes, respiratory, reproductive, developmental, nervous, and cardiovascular). CARB and OEHHA determine if a substance should be formally identified, or "listed," as a TAC in California. A complete list of these substances is maintained on CARB's website.[6]

Diesel particulate matter (DPM), which is emitted in the exhaust from diesel engines, was listed by the state as a TAC in 1998. DPM has historically been used as a surrogate measure of exposure for all diesel exhaust emissions. DPM consists of fine particles (fine particles have a diameter less than 2.5 micrometer (μm)), including a subgroup of ultrafine particles (ultrafine particles have a diameter less than 0.1 μm). Collectively, these particles have a large surface area which makes them an excellent medium for absorbing organics. The visible emissions in diesel exhaust include carbon particles or "soot." Diesel exhaust also contains a variety of harmful gases and cancer-causing substances.

Exposure to DPM may be a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. DPM levels and resultant potential health effects may be higher in close proximity to heavily traveled roadways with substantial truck traffic or near industrial facilities. According to CARB, DPM exposure may lead to the following adverse health effects: (1) aggravated asthma; (2) chronic bronchitis; (3) increased respiratory and cardiovascular hospitalizations; (4) decreased lung function in children; (5) lung cancer; and (6) premature deaths for people with heart or lung disease.[7,8]

Project Site

The Project Site is located within the South Coast Air Basin (the Basin); named so because of its geographical formation is that of a basin, with the surrounding mountains trapping the air and its pollutants in the valleys or basins below. The 6,745-square-mile Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. It is bounded by the Pacific Ocean to the west; the San Gabriel, San Bernardino and San Jacinto Mountains to the north and east; and the San Diego County line to the south. Ambient pollution concentrations recorded in Los

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6 California Air Resources Board, Toxic Air Contaminant Identification List, www.arb.ca.gov/toxics/id/taclist.htm, last reviewed by CARB July 18, 2011.

7 California Air Resources Board, Overview: Diesel Exhaust and Health, www.arb.ca.gov/research/diesel/diesel-health.htm, last reviewed by CARB April 12, 2016.

8 California Air Resources Board, Fact Sheet: Diesel Particulate Matter Health Risk Assessment Study for the West Oakland Community: Preliminary Summary of Results, March 2008.

Angeles County portion of the Basin are among the highest in the four counties comprising the Basin. USEPA has classified Los Angeles County as nonattainment areas for O_3, $PM_{2.5}$, and lead. This classification denotes that the Basin does not meet the NAAQS for these pollutants. In addition, under the CCAA, the Los Angeles County portion of the Basin is designated as a nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The air quality within the Basin is primarily influenced by a wide range of emissions sources, such as dense population centers, heavy vehicular traffic, industry, and meteorology.

Air pollutant emissions are generated in the local vicinity by stationary and area-wide sources, such as commercial activity, space and water heating, landscaping maintenance, consumer products, and mobile sources primarily consisting of automobile traffic.

Air Pollution Climatology. The topography and climate of Southern California combine to make the Basin an area of high air pollution potential. During the summer months, a warm air mass frequently descends over the cool, moist marine layer produced by the interaction between the ocean's surface and the lowest layer of the atmosphere. The warm upper layer forms a cap over the cooler surface layer which inhibits the pollutants from dispersing upward. Light winds during the summer further limit ventilation. Additionally, abundant sunlight triggers photochemical reactions which produce O_3 and the majority of particulate matter.

Air Monitoring Data. The SCAQMD monitors air quality conditions at 38 source receptor areas (SRA) throughout the Basin. The Project Site is located in SCAQMD's Central Los Angeles receptor area. Historical data from the area was used to characterize existing conditions in the vicinity of the Project area. Table 2 shows pollutant levels, State and federal standards, and the number of exceedances recorded in the area from 2019 through 2021. The one-hour State standard for O_3 was exceeded 16 times during this three-year period, including fourteen times in 2020. The federal standard was exceeded 26 times in that same period. In addition, the daily State standard for PM_{10} was exceeded 203 times. The daily federal standard for $PM_{2.5}$ was exceeded 15 times. CO and NO_2 levels did not exceed the CAAQS from 2019 to 2021 for 1-hour (and 8-hour for CO).

Table 2
Ambient Air Quality Data

Pollutants and State and Federal Standards	Maximum Concentrations and Frequencies of Exceedance Standards		
	2019	2020	2021
Ozone (O_3)			
Maximum 1-hour Concentration (ppm)	0.080	0.185	0.099
Days > 0.09 ppm (State 1-hour standard)	0	14	1
Days > 0.070 ppm (Federal 8-hour standard)	2	22	2
Carbon Monoxide (CO_2)			
Maximum 1-hour Concentration (ppm)	2.0	1.9	2.0
Days > 20 ppm (State 1-hour standard)	0	0	0
Maximum 8-hour Concentration (ppm)	1.6	1.5	1.6
Days > 9.0 ppm (State 8-hour standard)	0	0	0
Nitrogen Dioxide (NO_2)			
Maximum 1-hour Concentration (ppm)	0.0697	0.0618	0.0778
Days > 0.18 ppm (State 1-hour standard)	0	0	0
PM_{10}			
Maximum 24-hour Concentration ($\mu g/m^3$)	62	77	64

Days > 50 µg/m^3 (State 24-hour standard)	3	24	3
$PM_{2.5}$			
Maximum 24-hour Concentration (µg/m^3)	43.5	47.3	61.0
Days > 35 µg/m^3 (Federal 24-hour standard)	1	2	12
Sulfur Dioxide (SO_2)			
Maximum 24-hour Concentration (ppb)	10.0	3.8	2.2
Days > 0.04 ppm (State 24-hour standard)	0	0	0
ppm = parts by volume per million of air. µg/m^3 = micrograms per cubic meter. N/A = not available at this monitoring station. Source: SCAQMD annual monitoring data at Central LA subregion (http://www.aqmd.gov/home/air-quality/air-quality-data-studies/historical-data-by-year) accessed August 20, 2023.			

Existing Health Risk in the Surrounding Area. Based on the MATES-V model, the calculated cancer risk in the Project area (zip code 90026) is approximately 659 in a million.[9] The cancer risk in this area is predominately related to nearby sources of diesel particulate matter (e.g., diesel trucks and traffic on the Hollywood Freeway 1,080 feet to the southwest and Harbor Freeway 1,450 feet to the southeast). In general, the risk at the Project Site is higher than 98 percent of the population across the South Coast Air Basin.

The Office of Environmental Health Hazard Assessment, on behalf of the California Environmental Protection Agency (CalEPA), provides a screening tool called CalEnviroScreen that can be used to help identify California communities disproportionately burdened by multiple sources of pollution. According to CalEnviroScreen, the Project Site (Census tract 6037197700) is located in the 91st percentile, which means the Project Site has an overall environmental pollution burden higher than at least 91 percent of other communities within California.[10]

Sensitive Receptors. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. The California Air Resources Board (CARB) has identified the following groups who are most likely to be affected by air pollution: children less than 14 years of age, the elderly over 65 years of age, athletes, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes.

The Project Site is located in a residential area within the Victor Heights neighborhood. Sensitive receptors within 0.25 miles of the Project Site include, but are not limited to, the following representative sampling:

- Residences, Everett Street (west side); as close as five feet east of the Project Site.

[9] South Coast Air Quality Management District, Multiple Air Toxics Exposure Study in the South Coast Air Basin (MATES-V), MATES V Interactive Carcinogenicity Map, 2021, https://experience.arcgis.com/experience/79d3b6304912414bb21ebdde80100b23/page/home/?data_id=dataSource_105-a5ba9580e3aa43508a793fac819a5a4d%3A26&views=view_39%2Cview_1, accessed August 23, 2023.

[10] Office of Environmental Health Hazard Assessment, https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40, accessed August 23, 2023.

- Residential structures[11], 1251-1255 Sunset Boulevard, five feet north of the Project Site.
- Residences, Everett Street (east side); 60 feet east of the Project Site.
- Residences, Sunset Boulevard (west side); as close as 100 feet west of the Project Site.
- Residences, 1190 Sunset Boulevard; 110 feet west of the Project Site.
- Residences, 1271 Sunset Boulevard; 200 feet north of the Project Site.
- Everett Park, 250 feet east of the Project Site.
- Preschool, 707 Kensington Road; about 500 feet west of the Project Site.

Existing Project Site Emissions. The Project Site is currently vacant of any improvements. As such, there are no anthropogenic emissions of criteria pollutants from the Project Site.

Project Impacts

Methodology

The air quality analysis conducted for the Project is consistent with the methods described in the SCAQMD CEQA Air Quality Handbook (1993 edition), as well as the updates to the CEQA Air Quality Handbook, as provided on the SCAQMD website. The SCAQMD recommends the use of the California Emissions Estimator Model (CalEEMod, version 2022.1.1.17 as of August 2023) as a tool for quantifying emissions of air pollutants that will be generated by constructing and operating development projects. The analyses focus on the potential change in air quality conditions due to Project implementation. Air pollutant emissions would result from both construction and operation of the Project. Specific methodologies used to evaluate these emissions are discussed below.

Construction. Sources of air pollutant emissions associated with construction activities include heavy-duty off-road diesel equipment and vehicular traffic to and from the Project construction site. Project-specific information was provided describing the schedule of construction activities and the equipment inventory required from the Applicant. Details pertaining to the schedule and equipment can be found in the Technical Appendix to this analysis. The CalEEMod model provides default values for daily equipment usage rates and worker trip lengths, as well as emission factors for heavy-duty equipment, passenger vehicles, and haul trucks that have been derived by the CARB. Maximum daily emissions were quantified for each construction activity based on the number of equipment and daily hours of use, in addition to vehicle trips to and from the Project Site.

The SCAQMD recommends that air pollutant emissions be assessed for both regional scale and localized impacts. The regional emissions analysis includes both on-site and off-site sources of emissions, while the localized emissions analysis focuses only on sources of emissions that would be located on the Project Site.

Localized impacts were analyzed in accordance with the SCAQMD Localized Significance Threshold (LST) methodology.[12] The localized effects from on-site portion of daily emissions were evaluated at sensitive receptor locations potentially impacted by the Project according to the SCAQMD's LST methodology, which uses on-site mass emission look-up tables and Project-specific modeling, where

11 Note these structures are abandoned and have been since at least early 2021. However, for conservative analysis, we assume these could be sensitive receptors that could be re-occupied.

12 South Coast Air Quality Management District, Final Localized Significance Methodology, revised July 2008.

appropriate.[13] SCAQMD provides LSTs applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. SCAQMD does not provide an LST for SO_2 since land use development projects typically result in negligible construction and long-term operation emissions of this pollutant. Since VOCs are not a criteria pollutant, there is no ambient standard or SCAQMD LST for VOCs. Due to the role VOCs play in O_3 formation, it is classified as a precursor pollutant, and only a regional emissions threshold has been established.

LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor. The mass rate look-up tables were developed for each source receptor area and can be used to determine whether or not a project may generate significant adverse localized air quality impacts. SCAQMD provides LST mass rate look-up tables for projects with active construction areas that are less than or equal to five acres. If the project exceeds the LST look-up values, then the SCAQMD recommends that project-specific air quality modeling must be performed. Please refer to **Threshold b** below, for the analysis of localized impacts from on-site construction activities. In accordance with SCAQMD guidance, maximum daily emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ from on-site sources during each construction activity were compared to LST values for a two-acre site having sensitive receptors within 25 meters (82 feet).[14] This is appropriate given the 2.459-acre site and the proximity of sensitive receptors as close as five feet from the Project Site.

The Basin is divided into 38 SRAs, each with its own set of maximum allowable LST values for on-site emissions sources during construction and operations based on locally monitored air quality. Maximum on-site emissions resulting from construction activities were quantified and assessed against the applicable LST values.

The significance criteria and analysis methodologies in the SCAQMD's CEQA Air Quality Handbook were used in evaluating impacts in the context of the CEQA significance criteria listed below. The SCAQMD localized significance thresholds (LSTs) for NO_2, CO, and PM_{10} were initially published in June 2003 and revised in July 2008.[15] The LSTs for $PM_{2.5}$ were established in October 2006.[16] Updated LSTs were published on the SCAQMD website on October 21, 2009.[17] Table 3 presents the significance criteria for both construction and operational emissions.

13 South Coast Air Quality Management District, LST Methodology Appendix C-Mass Rate LST Look-Up Table, October 2009.

14 South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, 2008.

15 South Coast Air Quality Management District, Fact Sheet for Applying CalEEMod to Localized Significance Thresholds, 2008.

16 South Coast Air Quality Management District, Final – Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds, October 2006.

17 South Coast Air Quality Management District, Final Localized Significance Threshold Methodology Appendix C – Mass Rate LST Look-Up Tables, October 21, 2009.

Table 3
SCAQMD Emissions Thresholds

Criteria Pollutant	Construction Emissions		Operation Emissions	
	Regional	Localized /a/	Regional	Localized /a/
Volatile Organic Compounds (VOC)	75	--	55	--
Nitrogen Oxides (NO_X)	100	108	55	108
Carbon Monoxide (CO)	550	1,048	550	1,048
Sulfur Oxides (SO_X)	150	--	150	--
Respirable Particulates (PM_{10})	150	8	150	2
Fine Particulates ($PM_{2.5}$)	55	5	55	2

/a/ Localized significance thresholds assumed a two-acre and 25-meter (82-foot) receptor distance in the Central LA source receptor area. The SCAQMD has not developed LST values for VOC or SO_X. Pursuant to SCAQMD guidance, sensitive receptors closer than 25 meters to a construction site are to use the LSTs for receptors at 25 meters (SCAQMD Final Localized Significance Threshold Methodology, June 2008).

Source: SCAQMD, South Coast AQMD Air Quality Significance Thresholds, 2019

Operations. CalEEMod also generates estimates of daily and annual emissions of air pollutants resulting from future operation of a project. Operational emissions of air pollutants are produced by mobile sources (vehicular travel) and stationary sources (utilities demand). Utilities for the Project Site are provided by the Los Angeles Department of Water and Power (LADWP) for electricity and Southern California Gas for natural gas. CalEEMod has derived default emissions factors for electricity and natural gas usage that are applied to the size and land use type of the Project in question. CalEEMod also generates estimated operational emissions associated water use, wastewater generation, and solid waste disposal.

Similar to construction, SCAQMD's CalEEMod software was used for the evaluation of Project emissions during operation. CalEEMod was used to calculate on-road fugitive dust, architectural coatings, landscape equipment, energy use, mobile source, and stationary source emissions.[18] To determine if a significant air quality impact would occur, the net increase in regional and local operational emissions generated by the Project was compared against the SCAQMD's significance thresholds.[19] Details describing the operational emissions of the Project can be found in in the Technical Appendix.

Toxic Air Contaminants Impacts (Construction and Operations). Potential TAC impacts are evaluated by conducting a qualitative analysis consistent with the CARB Handbook followed by a more detailed analysis (i.e., dispersion modeling), as necessary. The qualitative analysis consists of reviewing the Project to identify any new or modified TAC emissions sources. If the qualitative evaluation does not rule out significant impacts from a new source, or modification of an existing TAC emissions source, a more detailed analysis is conducted.

[18] Energy consumption estimates with CalEEMod 2022.1.1.17 are based on the California Energy Commission's 2020 Residential Appliance Saturation Survey (residential uses) and 2021 Commercial Forecast database, both of which reflected the 2019 Title 24 energy efficiency standards. These energy consumption estimates were adjusted to reflect the 2022 Title 24 standards that cumulatively produce a 0.49 percent reduction in electricity use and 0.45 percent reduction in natural gas use when compared to the 2019 standards.

[19] South Coast Air Quality Management District, Air Quality Significance Thresholds, revised March 2015. SCAQMD based these thresholds, in part on the federal Clean Air Act and, to enable defining "significant" for CEQA purposes, defined the setting as the South Coast Air Basin. (See SCAQMD, CEQA Air Quality Handbook, April 1993, pp. 6-1-6-2).

Thresholds of Significance

State CEQA Guidelines Appendix G

Would the Project:

a) *Conflict with or obstruct implementation of the applicable air quality plan;*

b) *Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or State ambient air quality standard;*

c) *Expose sensitive receptors to substantial pollutant concentrations; or*

d) *Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?*

City and SCAQMD Thresholds

For this analysis the Appendix G Thresholds are relied upon. The analysis utilizes factors and considerations recommended by the City of Los Angeles and SCAQMD Thresholds, as appropriate, to assist in answering the Appendix G Threshold questions.

(a) Construction

The City recommends that determination of significance be made on a case-by-case basis, considering the following criteria to evaluate construction-related air emissions:

(i) Combustion Emissions from Construction Equipment

- Type, number of pieces and usage for each type of construction equipment;
- Estimated fuel usage and type of fuel (diesel, natural gas) for each type of equipment; and
- Emission factors for each type of equipment.

(ii) Fugitive Dust—Grading, Excavation and Hauling

- Amount of soil to be disturbed on-site or moved off-site;
- Emission factors for disturbed soil;
- Duration of grading, excavation and hauling activities;
- Type and number of pieces of equipment to be used; and
- Projected haul route.

(iii) Fugitive Dust—Heavy-Duty Equipment Travel on Unpaved Road

- Length and type of road;
- Type, number of pieces, weight and usage of equipment; and
- Type of soil.

(iv) Other Mobile Source Emissions

- Number and average length of construction worker trips to Project Site, per day; and
- Duration of construction activities.

In addition, the following criteria set forth in the SCAQMD's *CEQA Air Quality Handbook* serve as quantitative air quality standards to be used to evaluate project impacts under the Appendix G Thresholds. Under these thresholds, a significant threshold would occur when:[20]

- Regional emissions from both direct and indirect sources would exceed any of the following SCAQMD prescribed threshold levels: (1) 100 pounds per day for NO_X; (2) 75 pounds a day for VOC; (3) 150 pounds per day for PM_{10} or SO_X; (4) 55 pounds per day for $PM_{2.5}$; and (5) 550 pounds per day for CO.

- Maximum on-site daily localized emissions exceed the LST, resulting in predicted ambient concentrations in the vicinity of the Project Site greater than the most stringent ambient air quality standards for CO (20 ppm [23,000 µg/m^3] over a 1-hour period or 9.0 ppm [10,350 µg/m^3] averaged over an 8-hour period) and NO_2 (0.18 ppm [339 µg/m^3] over a 1-hour period, 0.1 ppm [188 µg/m^3] over a three-year average of the 98th percentile of the daily maximum 1-hour average, or 0.03 ppm [57 µg/m^3] averaged over an annual period).

- Maximum on-site localized PM_{10} or $PM_{2.5}$ emissions during construction exceed the applicable LSTs, resulting in predicted ambient concentrations in the vicinity of the Project Site to exceed the incremental 24-hour threshold of 10.4 µg/m^3 or 1.0 µg/m^3 PM_{10} averaged over an annual period.

(b) Operation

The City bases the determination of significance of operational air quality impacts on criteria set forth in the SCAQMD's *CEQA Air Quality Handbook.*[21] As discussed above, the City uses Appendix G as the thresholds of significance for this analysis. Accordingly, the following serve as quantitative air quality standards to be used to evaluate project impacts under the Appendix G thresholds. Under these thresholds, a significant threshold would occur when:

- Operational emissions exceed 10 tons per year of volatile organic gases or any of the following SCAQMD prescribed threshold levels: (1) 55 pounds a day for VOC;[22] (2) 55 pounds per day for NO_X; (3) 550 pounds per day for CO; (4) 150 pounds per day for SO_X; (5) 150 pounds per day for PM_{10}; and (6) 55 pounds per day for $PM_{2.5}$.[23]

- Maximum on-site daily localized emissions exceed the LST, resulting in predicted ambient concentrations in the vicinity of the Project Site greater than the most stringent ambient air quality standards for CO (20 parts per million (ppm) over a 1-hour period or 9.0 ppm averaged over an

20 South Coast Air Quality Management District, Air Quality Significance Thresholds, revised March 2015.

21 South Coast Air Quality Management District, Air Quality Significance Thresholds, revised March 2015.

22 For purposes of this analysis, emissions of VOC and reactive organic compounds (ROG) are used interchangeably since ROG represents approximately 99.9 percent of VOC emissions.

23 South Coast Air Quality Management District, Quality Significance Thresholds, www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf, last updated March 2015.

8-hour period) and NO_2 (0.18 ppm over a 1-hour period, 0.1 ppm over a 3-year average of the 98th percentile of the daily maximum 1-hour average, or 0.03 ppm averaged over an annual period).[24]

- Maximum on-site localized operational PM_{10} and $PM_{2.5}$ emissions exceed the incremental 24-hour threshold of 2.5 µg/m^3 or 1.0 µg/m^3 PM_{10} averaged over an annual period.[25]

- The Project causes or contributes to an exceedance of the California 1-hour or 8-hour CO standards of 20 or 9.0 ppm, respectively; or

- The Project creates an odor nuisance pursuant to SCAQMD Rule 402.

(c) Toxic Air Contaminants

The City recommends that the determination of significance shall be made on a case-by-case basis, considering the following criteria to evaluate TACs:

- Would the project use, store, or process carcinogenic or non-carcinogenic toxic air contaminants which could result in airborne emissions?

In assessing impacts related to TACs in this section, the City uses Appendix G as the thresholds of significance. The criteria identified above will be used where applicable and relevant to assist in analyzing the Appendix G thresholds. In addition, the following criteria set forth in the SCAQMD's *CEQA Air Quality Handbook* serve as quantitative air quality standards to be used to evaluate project impacts under Appendix G thresholds. Under these thresholds, a significant threshold would occur when:[26]

- The Project results in the exposure of sensitive receptors to carcinogenic or toxic air contaminants that exceed the maximum incremental cancer risk of 10 in one million or an acute or chronic hazard index of 1.0.[27] For projects with a maximum incremental cancer risk between 1 in one million and 10 in one million, a project would result in a significant impact if the cancer burden exceeds 0.5 excess cancer cases.

(d) Consistency with Applicable Air Quality Plans

CEQA Guidelines Section 15125 requires an analysis of project consistency with applicable governmental plans and policies. This analysis is conducted to assess potential project impacts against

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24 South Coast Air Quality Management District, Final Localized Significance Threshold Methodology, revised July 2008.

25 South Coast Air Quality Management District, Final—Methodology to Calculate Particulate Matter (PM) 2.5 and $PM_{2.5}$ Significance Thresholds, October 2006.

26 South Coast Air Quality Management District, CEQA Air Quality Handbook, April 1993, Chapter 6 (Determining the Air Quality Significance of a Project) and Chapter 10 (Assessing Toxic Air Pollutants).

27 Hazard index is the ratio of a toxic air contaminant's concentration divided by its Reference Concentration, or safe exposure level. If the hazard index exceeds one, people are exposed to levels of TACs that may pose noncancer health risks.

Threshold (a) from the Appendix G thresholds. In accordance with the SCAQMD's *CEQA Air Quality Handbook*, the following criteria are used to evaluate a project's consistency with the AQMP:[28]

- Will the Project result in any of the following:
  - An increase in the frequency or severity of existing air quality violations;
  - Cause or contribute to new air quality violations; or
  - Delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP?
- Will the Project exceed the assumptions utilized in preparing the AQMP?
  - Is the Project consistent with the population and employment growth projections upon which AQMP forecasted emission levels are based;
  - Does the Project include air quality mitigation measures; or
  - To what extent is Project development consistent with the AQMP land use policies?

The Project's impacts with respect to these criteria are discussed to assess the consistency with the SCAQMD's AQMP and SCAG regional plans and policies. In addition, the Project's consistency with the City of Los Angeles General Plan Air Quality Element is discussed.

Project Design Features. The Project would comply with the 2022 Los Angeles Green Building Code (LAGBC),[29] which will build upon and set higher standards than those in the 2022 California Green Building Standards Code (CalGreen, effective January 1, 2023).[30] Further energy efficiency and sustainability features would include native plants and drip/subsurface irrigation systems, individual metering or sub metering for water use, leak detection systems, and electric vehicle charging capacity. The Project will be required to be all-electric for cooking, heating/cooling, and water heating within both buildings. The only exception is cooking equipment within kitchens that could be located in the 9,462 square feet of commercial (i.e., restaurant) space.[31]

The Project's infill location would promote the concentration of development in an urban location with extensive infrastructure and access to public transit facilities. The Project's proximity to public transportation would reduce vehicle miles traveled for residents, workers, and visitors who want options to driving cars.

28 South Coast Air Quality Management District, CEQA Air Quality Handbook, April 1993, p. 12-3.

29 City of Los Angeles Department of Building and Safety: http://ladbs.org/forms-publications/forms/green-building.

30 California Building Codes: http://www.bsc.ca.gov/Codes.aspx.

31 Los Angeles Ordinance No. 187,714. https://www.ladbs.org/services/green-building-sustainability#all-electric

Analysis of Project Impacts

a. Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. The Project's air quality emissions would not exceed any state or federal standards. Therefore, the Project would not increase the frequency or severity of an existing violation or cause or contribute to new violations for these pollutants. As the Project would not exceed any of the state and federal standards, the Project would also not delay timely attainment of air quality standards or interim emission reductions specified in the AQMP.

With respect to the determination of consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2020-2045 RTP/SCS regarding population, housing, and growth trends. Determining whether or not a project exceeds the assumptions reflected in the AQMP involves the evaluation of three criteria: (1) consistency with applicable population, housing, and employment growth projections; (2) project mitigation measures; and (3) appropriate incorporation of AQMP land use planning strategies. The following discussion provides an analysis with respect to each of these three criteria.

- Is the project consistent with the population, housing, and employment growth projections upon which AQMP forecasted emission levels are based?

A project is consistent with the AQMP, in part, if it is consistent with the population, housing, and employment assumptions that were used in the development of the AQMP. In the case of the 2022 AQMP, two sources of data form the basis for the projections of air pollutant emissions: the City of Los Angeles General Plan and SCAG's RTP. The General Plan serves as a comprehensive, long-term plan for future development of the City.

The 2020-2045 RTP/SCS provides socioeconomic forecast projections of regional population growth. The population, housing, and employment forecasts, which are adopted by SCAG's Regional Council, are based on local plans and policies applicable to the specific area; these are used by SCAG in all phases of implementation and review. The 2020-2045 RTP/SCS accommodates 4,771,300 persons; 1,793,000 households; and 2,135,900 jobs in the City of Los Angeles by 2045.

The Project is projected to add a residential population of approximately 773 people to the Project Site based on the 327 dwelling units proposed.[32] The Project's residential population would represent approximately 0.09 percent of the forecast population growth between 2016 and 2045 in the RTP/SCS.

Development of the Project also would result in approximately 38 employment positions on-site, based on the 9,462 square feet of commercial space proposed.[33] The Project's employment population would represent approximately 0.01 percent of the forecast job growth between 2016 and 2045. Thus, the Project's estimated population and employment impacts would not help produce job growth that exceeds the capacity that is accommodated in the 2022 AQMP. As a result, the Project would be consistent with the projections in the AQMP.

[32] Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; October 2023. Estimates from City of Los Angeles VMT Calculator, version 1.3.

[33] Ibid.

- Does the project implement feasible air quality mitigation measures?

As discussed below under Thresholds (b), (c), and (d), the Project would not result in any significant air quality impacts and therefore would not require mitigation. In addition, the Project would comply with all applicable regulatory standards as required by SCAQMD. Furthermore, with compliance with the regulatory requirements identified above, no significant air quality impacts would occur. As such, the proposed Project meets this AQMP consistency criterion.

- To what extent is project development consistent with the land use policies set forth in the AQMP?

With regard to land use developments such as the Project, the AQMP's air quality policies focus on the reduction of vehicle trips and vehicle miles traveled (VMT). The Project would serve to implement a number of land use policies of the City of Los Angeles, SCAQMD, and SCAG. The Project would be designed and constructed to support and promote environmental sustainability. The Project represents an infill development within an existing urbanized area that would concentrate more housing and population within a high quality transit area (HQTA). "Green" principles are incorporated throughout the Project to comply with the City of Los Angeles Green Building Code and the California Green Building Standards Code (CALGreen) through energy conservation, water conservation, and waste reduction features. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems.

The air quality plan applicable to the Project area is the 2022 AQMP, the current management plan for progression toward compliance with State and federal clean air requirements. The Project would be required to comply with all regulatory measures set forth by the SCAQMD. Implementation of the Project would not interfere with air pollution control measures listed in the 2022 AQMP. In addition, as demonstrated in the following analyses, the Project would not result in significant emissions that would jeopardize regional or localized air quality standards.

The Project Site is classified as "General Commercial" in the General Plan Framework, a classification that when combined with the many zoning classifications on the Project Site conditionally allow multi-family housing and commercial uses such as those proposed by the Project. As such, the RTP/SCS' assumptions about growth in the City accommodate the projected population and jobs on the Project Site. As a result, the Project would be consistent with the growth assumptions in the City's General Plan. Because the AQMP accommodates growth forecasts from local General Plans, the emissions associated with this Project are accounted for and mitigated in the region's air quality attainment plans. The air quality impacts of development on the Project Site are accommodated in the region's emissions inventory for the 2020-2045 RTP/SCS and 2022 AQMP. Therefore, Project impacts with respect to AQMP consistency would be less than significant.

City of Los Angeles Policies

The Project would offer convenient access to public transit and opportunities for walking and biking (including the provision of bicycle parking), thereby facilitating a reduction in VMT. In addition, the Project would be consistent with the existing land use pattern in the vicinity that concentrates urban density along major arterials and near transit options based on the following:

- The Project Site is within a HQTA, which reflects areas with rail transit service or bus service where lines have peak headways of less than 15 minutes.[34]
- The Project Site is located in a Transit Priority Area, which are locations within one-half mile of a major transit stop with bus or rail transit service with frequencies of 15 minutes or less.
- The Project Site's location within an HQTA and TPA is due to the existence of a Major Transit Stop at the intersection of Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street, 2,075 feet southeast of the Site, which is served by Los Angeles County Metropolitan Transportation Authority (Metro) bus lines 4, 55, and 60 and Los Angeles Department of Transportation (LADOT) Lincoln Heights/Chinatown line, and at Edgeware Road and Temple Street, 1,515 feet southwest of the Site, which is served by Metro bus lines 10/48, 92 and LADOT DASH Pico Union line. The lines have under 15-minute headways during peak hours.[35]
- There is substantial public transit service in the area, including:
  - Metro Line 4, which connects Downtown Los Angeles with Santa Monica via east-west arterials like Sunset Boulevard, with a stop in front of the Project Site.
  - Metro Line 10/48 connects Downtown Los Angeles with West Hollywood via Temple Street, with a stop at Edgeware Road, 1,515 feet southwest of the Project Site.
  - Metro Line 55, which connects Downtown Los Angeles with Willowbrook via east-west arterials like Figueroa Street, with a stop at Cesar Chavez Avenue 2,075 feet southeast of the Project Site.
  - Metro Line 60 connects Downtown Los Angeles with the Artesia rail station via east-west arterials like Sunset Boulevard, with a stop at Figueroa Street 2,075 feet southeast of the Project Site.
  - Metro Line 92 connects Downtown Los Angeles with Sylmar via Edgeware Way, with a stop at Bellevue, 1,275 feet southwest of the Project Site.
  - LADOT DASH (Lincoln Heights) shuttle service. The nearest stop is on Edgeware Way, with a stop at Bellevue Avenue, 1,275 feet southwest of the Project Site.
  - LADOT DASH (Pico Union) shuttle service. The nearest stop is on Cesar Chavez Avenue at Figueroa Street, 2,075 feet southeast of the Project Site.
- Metro's Grand Avenue Arts/Bunker Hill rail station is located 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region.
- The project will provide 21 short- and 162 long-term bicycle parking spaces on-site.
- Metro operates a bikeshare station at Sunset Boulevard and Lilac Place, 1,450 feet north of the Project Site, as well as a location on Figueroa Street and Cesar Chavez Avenue, 2,000 feet southeast of the Project Site.

The City's General Plan Air Quality Element identifies 30 policies with specific strategies for advancing the City's clean air goals. As illustrated in Table 4, the Project is consistent with the applicable policies in the Air Quality Element, as the Project would implement sustainability features that would reduce

[34] Southern California Association of Governments Data Portal https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal_active-transportation.pdf?1606001530,

[35] Major Transit Stop is a site containing a rail station or the intersection of two or more bus routes with a service interval of 15 minutes or less during the morning and afternoon peak commute periods. The stations or bus routes may be existing, under construction or included in the most recent Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP).

vehicular trips, reduce VMT, and encourage the use of alternative modes of transportation. Therefore, the Project would result in a less than significant impact related to consistency with the Air Quality Element.

Table 4
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
Policy 1.3.1. Minimize particulate emissions from construction sites.	**Consistent.** The Project would minimize particulate emissions during construction through best practices and/or SCAQMD rules (e.g., Rule 403, Fugitive Dust).
Policy 1.3.2. Minimize particulate emissions from unpaved roads and parking lots associated with vehicular traffic.	**Not Applicable.** The Project would not involve use of unpaved roads or parking lots.
Policy 2.1.1. Utilize compressed work weeks and flextime, telecommuting, carpooling, vanpooling, public transit, and improve walking/bicycling related facilities in order to reduce vehicle trips and/or VMT as an employer and encourage the private sector to do the same to reduce work trips and traffic congestion.	**Consistent.** The proposed development would include retail and restaurant employees that could access transportation options to driving to work. The Project Site is well-served by public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.
Policy 2.1.2. Facilitate and encourage the use of telecommunications (i.e., telecommuting) in both the public and private sectors, in order to reduce work trips.	**Consistent.** Residents could use high-speed telecommunications services as an alternative to driving to work. A June 2020 study by the National Bureau of Economic Research found that 37 percent of jobs can be performed entirely from home (https://www.nber.org/papers/w26948). As such, the Proposed Project could help reduce commuting to work through telecommuting.
Policy 2.2.1. Discourage single-occupant vehicle use through a variety of measures such as market incentive strategies, mode-shift incentives, trip reduction plans and ridesharing subsidies.	**Consistent.** As the Project Site is subject to AB 2097 and therefore not required to provide any minimum amount of vehicular parking, the Project would discourage car ownership and resulting single-occupant vehicle use because of the limited parking (263 spaces) for residents and merchants.
Policy 2.2.2. Encourage multi-occupant vehicle travel and discourage single-occupant vehicle travel by instituting parking management practices.	**Consistent.** As noted above, AB 2097 allows the Project's garage to be limited to parking for 263 vehicles. This would reduce car ownership for residents and resulting single-occupant vehicle trips. The development would provide transit and active transportation options to residents as an option to driving.

Table 4
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
Policy 2.2.3. Minimize the use of single-occupant vehicles associated with special events or in areas and times of high levels of pedestrian activities.	**Not Applicable.** The Project would not include facilities for special events.
Policy 3.2.1. Manage traffic congestion during peak hours.	**Consistent.** The Project is a low traffic generator because of the nature of residential uses, which generate peak hour vehicle trips that are lower than commercial, retail, and restaurant uses. Further, the Project would also minimize traffic congestion based on its location near transit opportunities, which would encourage the use of alternative modes of transportation. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.
Policy 4.1.1. Coordinate with all appropriate regional agencies on the implementation of strategies for the integration of land use, transportation, and air quality policies.	**Consistent.** The Project is being entitled through the City of Los Angeles, which coordinates with SCAG, Metro, and other regional agencies on the coordination of land use, air quality, and transportation policies.
Policy 4.1.2. Ensure that project level review and approval of land use development remains at the local level.	**Consistent.** The Project would be entitled and environmentally cleared at the local level. The Project would not inhibit the implementation of this policy.
Policy 4.2.1. Revise the City's General Plan/Community Plans to achieve a more compact, efficient urban form and to promote more transit-oriented development and mixed-use development.	**Not Applicable.** This policy calls for City updates to its General Plan. The Project would not inhibit the implementation of this policy.
Policy 4.2.2. Improve accessibility for the City's residents to places of employment, shopping centers and other establishments.	**Consistent.** The Project would be infill development that would provide the City's residents with proximate access to jobs and services at this Project Site.
Policy 4.2.3. Ensure that new development is compatible with pedestrians, bicycles, transit, and alternative fuel vehicles.	**Consistent.** The Project would promote public transit, active transportation, and alternative fuel vehicles for residents, workers, and visitors, who can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill

Table 4
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
	rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand. The Project would also include 26 electric vehicle charging stations and 66 more spaces with conduits and supplies for future charging stations.
Policy 4.2.4. Require that air quality impacts be a consideration in the review and approval of all discretionary projects.	**Consistent.** The Project's air quality impacts are analyzed in this document, and as discussed herein, all impacts with respect to air quality would be less than significant.
Policy 4.2.5. Emphasize trip reduction, alternative transit and congestion management measures for discretionary projects.	**Consistent.** The proposed project would support use of alternative transportation modes. The Project Site is well-served by public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Lines 10/48 and 92 on Edgeware Road, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.
Policy 4.3.1. Revise the City's General Plan/Community Plans to ensure that new or relocated sensitive receptors are located to minimize significant health risks posed by air pollution sources.	**Not Applicable.** This policy calls for City updates to its General Plan. The Project would not inhibit the implementation of this policy.
Policy 4.3.2. Revise the City's General Plan/Community Plans to ensure that new or relocated major air pollution sources are located to minimize significant health risks to sensitive receptors.	**Not Applicable.** This policy calls for City updates to its General Plan. The Project would not inhibit the implementation of this policy.
Policy 5.1.1. Make improvements in Harbor and airport operations and facilities in order to reduce air emissions.	**Not Applicable.** This policy calls for cleaner operations of the City's water port and airport facilities. The Project would not inhibit the implementation of this policy.
Policy 5.1.2. Effect a reduction in energy consumption and shift to non-polluting sources of energy in its buildings and operations.	**Not Applicable.** This policy calls for cleaner operations of the City's buildings and operations. The Project would not inhibit the implementation of this policy.

Table 4
Project Consistency with City of Los Angeles General Plan Air Quality Element

Strategy	Project Consistency
Policy 5.1.3. Have the Department of Water and Power make improvements at its in-basin power plants in order to reduce air emissions.	**Not Applicable.** This policy calls for cleaner operations of the City's Water and Power energy plants. The Project would not inhibit the implementation of this policy.
Policy 5.1.4. Reduce energy consumption and associated air emissions by encouraging waste reduction and recycling.	**Consistent.** The Project would be consistent with this policy by complying with Title 24, CALGreen, and other requirements to reduce solid waste and energy consumption. This includes the City's March 2010 ordinance (Council File 09-3029) that requires all mixed construction and demolition waste be taken to City-certified waste processors.
Policy 5.2.1. Reduce emissions from its own vehicles by continuing scheduled maintenance, inspection and vehicle replacement programs; by adhering to the State of California's emissions testing and monitoring programs; by using alternative fuel vehicles wherever feasible, in accordance with regulatory agencies and City Council policies.	**Not Applicable.** This policy calls for the City to gradually reduce the fleet emissions inventory from its vehicles through use of alternative fuels, improved maintenance practices, and related operational improvements. The Project's support of electric vehicles will continue the State's conversion to zero emission fleets that do not required engine inspections
Policy 5.3.1. Support the development and use of equipment powered by electric or low-emitting fuels.	**Consistent.** The Project would be designed to meet the applicable requirements of the States Green Building Standards Code and the City of Los Angeles' Green Building Code, both of which promote a shift from natural gas use toward electrification of buildings. The Project would also include 26 electric vehicle charging stations and 66 more spaces with conduits and supplies for future charging stations.
Policy 6.1.1. Raise awareness through public-information and education programs of the actions that individuals can take to reduce air emissions.	**Not Applicable.** This policy calls for the City to promote clean air awareness through its public awareness programs. The Project would not inhibit the implementation of this policy.
Source: DKA Planning, 2023.	

b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less Than Significant Impact.

Construction

A cumulatively considerable net increase would occur if the project's construction impacts substantially contribute to air quality violations when considering other projects that may undertake construction activities at the same time. Individual projects that generate emissions that do not exceed SCAQMD's significance thresholds would not contribute considerably to any potential cumulative impact. SCAQMD

neither recommends quantified analyses of the emissions generated by a set of cumulative development projects nor provides thresholds of significance to assess the impacts associated with these emissions.[36]

Construction-related emissions were estimated using the SCAQMD's CalEEMod 2022.1.1.17 model and a projected construction schedule of at least 30 months. Table 5 summarizes the estimated construction schedule that was modeled for air quality impacts.

Table 5
Construction Schedule Assumptions

Phase	Duration	Notes
Demolition	Month 1 (one week)	Removal of 6,000 square feet of asphalt/concrete surfaces and 1,344 square feet of billboards hauled 20 miles to landfill in 10-cubic yard capacity trucks.
Site Preparation	Month 1 (two weeks)	Removal of 16,000 square feet of vegetation.
Grading	Months 1-4	Approximately 40,000 cubic yards of soil (including 25 percent swell factor)[37] hauled 20 miles to landfill in 10-cubic yard capacity trucks.
Trenching	Month 5	Trenching for utilities, including gas, water, electricity, and telecommunications.
Building Construction	Months 6-29	Footings and foundation work, framing, welding; installing mechanical, electrical, and plumbing. Floor assembly, cabinetry and carpentry, elevator installations, low voltage systems, trash management.
Architectural Coatings	Months 28-30	Application of interior and exterior coatings and sealants.
Source: Estimates provided by the Applicant, May 2023.		

The Project would be required to comply with the following regulations, as applicable:

- SCAQMD Rule 403, would reduce the amount of particulate matter entrained in ambient air as a result of anthropogenic fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

- SCAQMD Rule 1113, which limits the VOC content of architectural coatings.

[36] South Coast Air Quality Management District, 2003 White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution: "As Lead Agency, the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR…Projects that exceed the project-specific significance threshold are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are not considered to be cumulatively significant.

[37] City of Los Angeles, Environmental Assessment Form

- SCAQMD Rule 402, which states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

- In accordance with Section 2485 in Title 13 of the California Code of Regulations, the idling of all diesel-fueled commercial vehicles (with gross vehicle weight over 10,000 pounds) during construction would be limited to five minutes at any location.

- In accordance with Section 93115 in Title 17 of the California Code of Regulations, operation of any stationary, diesel-fueled, compression-ignition engines would meet specific fuel and fuel additive requirements and emissions standards.

Project Design Feature

The Project would implement the following project design feature to further minimize construction-related emissions:

PDF AIR-1: Construction equipment operating at the Project Site shall be subject to the requirements listed below.

- Prior to the issuance of a grading or building permit for each phase, an inventory of off-road heavy-duty construction equipment for that phase of construction, equal to or greater than 50 horsepower that will be used an aggregate of 40 or more hours, shall be provided to the Department of Building and Safety and the Department of City Planning. The inventory shall include the horsepower rating, engine production year, and certification of the specified Tier standard. A copy of each unit's certified tier specification or model year specification and California Air Resources Board or South Coast Air Quality Management District operating permit (if applicable) shall be available upon request at the time of mobilization of each applicable unit of equipment.

- Off-road diesel-powered equipment within the construction inventory shall meet the Tier 4 final off-road emissions standards within the Los Angeles region. Such equipment shall be outfitted with Best Available Control Technology (BACT) devices including a California Air Resources Board certified Level 3 Diesel Particulate Filter or equivalent.

Regional Emissions

Construction activity creates air quality impacts through the use of heavy-duty construction equipment and through vehicle trips generated by construction workers traveling to and from the Project Site. NO_X emissions would primarily result from the use of construction equipment and truck trips.

Fugitive dust emissions would peak during grading activities, where approximately 40,000 cubic yards of soil (including a 25 percent swell factor as recommended by the City of Los Angeles) would be exported from the Project Site. All construction projects in the Basin must comply with SCAQMD Rule 403 for fugitive dust. Rule 403 control requirements include measures to prevent the generation of visible dust plumes. Measures include, but are not limited to, applying water and/or soil binders to uncovered

areas, reestablishing ground cover as quickly as possible, utilizing a wheel washing system or other control measures to remove bulk material from tires and vehicle undercarriages before vehicles exit the Project Site, and maintaining effective cover over exposed areas. Compliance with Rule 403 would reduce regional $PM_{2.5}$ and PM_{10} emissions associated with construction activities by approximately 61 percent.

During the building finishing phase, the application of architectural coatings (e.g., paints) would release VOCs (regulated by SCAQMD Rule 1113). The assessment of construction air quality impacts considers each of these potential sources. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation and, for dust, the prevailing weather conditions.

As shown in Table 6, construction of the Project would produce VOC, NO_X, CO, SO_X, PM_{10} and $PM_{2.5}$ emissions that do not exceed the SCAQMD's regional thresholds. As a result, construction of the Project would not contribute substantially to an existing violation of air quality standards for regional pollutants (e.g., ozone). This impact is considered less than significant.

Note, however, that the CalEEMod results omit the implementation of project design feature PDF AIR-1, which would further reduce construction-period emissions, for purposes of conservative analysis.

Localized Emissions

In addition to maximum daily regional emissions, maximum localized (on-site) emissions were quantified for each construction activity. The localized construction air quality analysis was conducted using the methodology promulgated by the SCAQMD. Look-up tables provided by the SCAQMD were used to determine localized construction emissions thresholds for the Project.[38] LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard and are based on the most recent background ambient air quality monitoring data (2019-2021) for the Project area.

Table 6
Daily Construction Emissions

Construction Phase Year	Daily Emissions (Pounds Per Day)					
	VOC	**NO_X**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
2024	0.2	2.1	1.9	<0.1	0.7	0.2
2025	5.9	42.5	68.3	0.1	5.8	2.5
2026	5.5	40.9	66.5	0.1	5.6	2.3
2027	38.0	48.8	78.9	0.1	6.5	2.7
Maximum Regional Total	38.0	48.8	78.9	0.1	6.5	2.7
Regional Threshold	75	100	550	150	150	55
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Maximum Localized Total	36.7	45.8	57.6	0.1	1.6	1.5

[38] South Coast Air Quality Management District, LST Methodology Appendix C-Mass Rate LST Look-up Table, revised October 2009.

Table 6
Daily Construction Emissions

Localized Threshold	N/A	108	1,048	N/A	8	5
Exceed Threshold?	**N/A**	**No**	**No**	**N/A**	**No**	**No**

The construction dates are used for the modeling of air quality emissions in the CalEEMod software. If construction activities commence later than what is assumed in the environmental analysis, the actual emissions would be lower than analyzed because of the increasing penetration of newer equipment with lower certified emission levels. Assumes implementation of SCAQMD Rule 403 (Fugitive Dust Emissions), but omits PDF AIR-1 for purposes of conservative analysis.

Source: DKA Planning, 2023 based on CalEEMod 2022.1.1.17 model runs. LST analyses based on two-acre site with 25-meter distances to receptors in Central LA source receptor area. Estimates reflect the peak summer or winter season, whichever is higher. Totals may not add up due to rounding. Modeling sheets included in the Technical Appendix.

Maximum on-site daily construction emissions for NO_X, CO, PM_{10}, and $PM_{2.5}$ were calculated using CalEEMod and compared to the applicable SCAQMD LSTs for the Central Los Angeles SRA based on construction site acreage that is less than or equal to two acres. While the Project Site is 2.459 acres, the use of an SCAQMD threshold for a smaller site ensures a more conservative threshold of significance that is protective of public health. Potential impacts were evaluated at the closest off-site sensitive receptor, which are the residences to the east of the Project Site on Everett Street. The closest receptor distance on the SCAQMD mass rate LST look-up tables is 25 meters.

As shown in Table 6, above**,** the Project would produce emissions that do not exceed the SCAQMD's recommended localized standards of significance for NO_2 and CO during the construction phase. Similarly, construction activities would not produce PM_{10} and $PM_{2.5}$ emissions that exceed localized thresholds recommended by the SCAQMD. These estimates assume the use of Best Available Control Measures (BACMs) that address fugitive dust emissions of PM_{10} and $PM_{2.5}$ through SCAQMD Rule 403. This would include watering portions of the site that are disturbed during grading activities and minimizing tracking of dirt onto local streets. Therefore, construction impacts on localized air quality are considered less than significant.

Operation

Operational emissions of criteria pollutants would come from area, energy, and mobile sources. Area sources include consumer products such as household cleaners, architectural coatings for routine maintenance, and landscaping equipment. Energy sources include electricity and natural gas use for space cooling and heating and water heating.[39] The CalEEMod program generates estimates of emissions from energy use based on the land use type and size. The Project would also produce long-term air quality impacts to the region primarily from motor vehicles that access the Project Site. The Project could add up to 1,850 vehicle trips to the local roadway network on a weekday at the start of operations in 2027 that would generate 11,632 daily vehicle miles traveled (VMT).[40]

[39] When electricity is used in buildings or local developments, electricity generation typically takes place offsite at power plants.

[40] Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; October 2023. Estimates from City of Los Angeles VMT Calculator, version 1.3.

As shown in Table 7, the Project's emissions would not exceed the SCAQMD's regional or localized significance thresholds. Therefore, the operational impacts of the Project on regional and localized air quality are considered less than significant.

Table 7
Daily Operations Emissions

Emissions Source	Daily Emissions (Pounds Per Day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area Sources	9.9	0.2	23.6	<0.1	<0.1	<0.1
Energy Sources	0.1	1.1	0.6	<0.1	0.1	0.1
Mobile Sources	5.7	3.8	43.7	0.1	9.7	2.5
Regional Total	15.7	5.1	67.8	0.1	9.8	2.6
Regional Significance Threshold	55	55	550	150	150	55
Exceed Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Localized Total	9.9	1.3	24.2	<0.1	0.1	0.1
Localized Significance Threshold	N/A	108	1,048	N/A	2	2
Exceed Threshold?	**N/A**	**No**	**No**	**N/A**	**No**	**No**
LST analyses based on two-acre site with 25-meter distances to receptors in Central Los Angeles SRA Source: DKA Planning, 2023 based on CalEEMod 2022.1.1.17 model runs (included in the Technical Appendix). Totals reflect the summer season maximum and may not add up due to rounding.						

c. Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. There are several sensitive receptors within 0.25 miles of the Project Site that could be exposed to air pollution from construction and operation of the Project, including, but are not limited to, the following representative sampling:

- Residences, Everett Street (west side); as close as five feet east of the Project Site.
- Residential structures[41], 1251-1255 Sunset Boulevard, five feet north of the Project Site.
- Residences, Everett Street (east side); 60 feet east of the Project Site.
- Residences, Sunset Boulevard (west side); as close as 100 feet west of the Project Site.
- Residences, 1190 Sunset Boulevard; 110 feet west of the Project Site.
- Residences, 1271 Sunset Boulevard; 200 feet north of the Project Site.
- Everett Park, 250 feet east of the Project Site.
- Preschool, 707 Kensington Road; about 500 feet west of the Project Site.

Construction

Construction of the Project could expose sensitive receptors to substantial pollutant concentrations if maximum daily emissions of regulated pollutants generated by sources located on and/or near the Project Site exceeded the applicable LST values presented in Table 3, or if construction activities generated significant emissions of TACs that could result in carcinogenic risks or non-carcinogenic hazards exceeding

41 Note these structures are abandoned and have been since at least early 2021. However, for conservative analysis, we assume these could be sensitive receptors that could be re-occupied.

the SCAQMD Air Quality Significance Thresholds of 10 excess cancers per million or non-carcinogenic Hazard Index greater than 1.0, respectively. As discussed above, the LST values were derived by the SCAQMD for the criteria pollutants NO_X, CO, PM_{10}, and $PM_{2.5}$ to prevent the occurrence of concentrations exceeding the air quality standards at sensitive receptor locations based on proximity and construction site size.

As shown in Table 6, during construction of the Project, maximum daily localized unmitigated emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ from sources on the Project Site would remain below each of the respective LST values. Unmitigated maximum daily localized emissions would not exceed any of the localized standards for receptors that are within 25 meters of the Project's construction activities. Therefore, based on SCAQMD guidance, localized emissions of criteria pollutants would not have the potential to expose sensitive receptors to substantial concentrations that would present a public health concern.

The primary TAC that would be generated by construction activities is diesel PM, which would be released from the exhaust stacks of construction equipment. The construction emissions modeling conservatively assumed that all equipment present on the Project Site would be operating simultaneously throughout most of the day, while in all likelihood this would rarely be the case. Average daily emissions of diesel PM would be less than one pound per day throughout the course of Project construction. Therefore, the magnitude of daily diesel PM emissions, would not be sufficient to result in substantial pollutant concentrations at off-site locations nearby.

Furthermore, according to SCAQMD methodology, health risks from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of TACs over a 30-year period will contract cancer based on the use of standard risk-assessment methodology. The entire duration of construction activities associated with implementation of the Project is anticipated to be approximately 30 months, and the magnitude of daily diesel PM emissions will vary over this time period. No residual emissions and corresponding individual cancer risk are anticipated after construction. Because there is such a short-term exposure period, construction TAC emissions would result in a less than significant impact. Therefore, construction of the Project would not expose sensitive receptors to substantial diesel PM concentrations, and this impact would be less than significant.

Operation

The Project Site would be developed with multi-family residences and commercial uses (i.e., restaurants), land uses that are not typically associated with TAC emissions. Typical sources of acutely and chronically hazardous TACs include industrial manufacturing processes (e.g., chrome plating, electrical manufacturing, petroleum refinery). The Project would not include these types of potential industrial manufacturing process sources. It is expected that quantities of hazardous TACs generated on-site (e.g., cleaning solvents, paints, landscape pesticides) for the types of proposed land uses would be below thresholds warranting further study under California Accidental Release Program.

When considering potential air quality impacts under CEQA, consideration is given to the location of sensitive receptors within close proximity of land uses that emit TACs. CARB has published and adopted the Air Quality and Land Use Handbook: A Community Health Perspective, which provides recommendations regarding the siting of new sensitive land uses near potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities).[42] The SCAQMD adopted similar recommendations in its Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning.[43] Together, the CARB and SCAQMD guidelines recommend siting distances for both the development of sensitive land uses in proximity to TAC sources and the addition of new TAC sources in proximity to existing sensitive land uses.

The primary sources of potential air toxics associated with Project operations include DPM from delivery trucks (e.g., truck traffic on local streets and idling on adjacent streets) and to a lesser extent, facility operations (e.g., natural gas fired boilers). However, these activities, and the land uses associated with the Project, are not considered land uses that generate substantial TAC emissions. It should be noted that the SCAQMD recommends that health risk assessments (HRAs) be conducted for substantial individual sources of DPM (e.g., truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating transport refrigeration units) and has provided guidance for analyzing mobile source diesel emissions.[44] Based on this guidance, the Project would not include these types of land uses and is not considered to be a substantial source of DPM warranting a refined HRA since daily truck trips to the Project Site would not exceed 100 trucks per day or more than 40 trucks with operating transport refrigeration units. In addition, the CARB-mandated airborne toxic control measures (ATCM) limits diesel-fueled commercial vehicles (delivery trucks) to idle for no more than five minutes at any given time, which would further limit diesel particulate emissions.

As the Project would not contain substantial TAC sources and is consistent with the CARB and SCAQMD guidelines, the Project would not result in the exposure of off-site sensitive receptors to carcinogenic or toxic air contaminants that exceed the maximum incremental cancer risk of 10 in one million or an acute or chronic hazard index of 1.0, and potential TAC impacts would be less than significant.

The Project would generate long-term emissions on-site from area and energy sources that would generate negligible pollutant concentrations of CO, NO_2, $PM_{2.5}$, or PM_{10} at nearby sensitive receptors. While long-term operations of the Project would add traffic to local roads that produces off-site emissions, these would not result in exceedances of CO air quality standards at roadways in the area due to three key factors. First, CO hotspots are extremely rare and only occur in the presence of unusual atmospheric conditions and extremely cold conditions, neither of which applies to this Project area. Second, auto-related emissions of CO continue to decline because of advances in fuel combustion technology in the vehicle fleet. Finally, the Project would not contribute to the levels of congestion that would be needed to produce emissions concentrations needed to trigger a CO hotspot, as it would add 1,850 vehicle trips to the local roadway network on weekdays when the development could be leased

42 California Air Resources Board, Air Quality and Land Use Handbook, a Community Health Perspective, April 2005.

43 South Coast Air Quality Management District, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, May 6, 2005.

44 South Coast Air Quality Management District, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, 2002.

and operational in 2027.[45] The majority of vehicle-related impacts at the Project Site would come from up to 152 and 137 vehicles entering and exiting the development during the peak A.M. and P.M. hours, respectively.[46] This would represent 4.7 and 4.4 percent of the 3,250 and 3,122 vehicles currently using Sunset Boulevard at Beaudry Avenue in the A.M. and P.M. peak hours, respectively.[47] Assuming peak A.M. hour volumes represent ten percent of daily volumes, this intersection would carry 26,400 daily vehicle trips, well below the traffic volumes that would be needed to generate CO exceedances of the ambient air quality standard.[48]

Finally, the Project would not result in any substantial emissions of TACs during the construction or operations phase. During the construction phase, the primary air quality impacts would be associated with the combustion of diesel fuels, which produce exhaust-related particulate matter that is considered a toxic air contaminant by CARB based on chronic exposure to these emissions.[49] However, construction activities would not produce chronic, long-term exposure to diesel particulate matter. During long-term project operations, the Project does not include typical sources of acutely and chronically hazardous TACs such as industrial manufacturing processes and automotive repair facilities. As a result, the Project would not create substantial concentrations of TACs.

In addition, the SCAQMD recommends that health risk assessments be conducted for substantial sources of diesel particulate emissions (e.g., truck stops and warehouse distribution facilities) and has provided guidance for analyzing mobile source diesel emissions.[50] The Project would not generate a substantial number of truck trips. Based on the limited activity of TAC sources, the Project would not warrant the need for a health risk assessment associated with on-site activities. Therefore, the Project's operational impacts on local sensitive receptors would be less than significant.

d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less Than Significant Impact. The Project would not result in activities that create objectionable odors. The Project is a housing development with commercial uses such as restaurants that would not include any activities typically associated with unpleasant odors and local nuisances (e.g., rendering facilities, dry cleaners). SCAQMD regulations that govern nuisances (i.e., Rule 402, Nuisances) would regulate any occasional odors associated with residences and on-site restaurants and other commercial uses. As a result, any odor impacts from the Project would be considered less than significant.

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45 Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; October 2023. Daily trip and VMT estimates from City of Los Angeles VMT Calculator, version 1.3.

46 Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; October 2023.

47 Ibid.

48 South Coast Air Quality Management District; 2003 AQMP. As discussed in the 2003 AQMP, the 1992 CO Plan included a CO hotspot analysis at four intersections in the peak A.M. and P.M. time periods, including Long Beach Boulevard and Imperial Highway (Lynwood), Wilshire Boulevard and Veteran Avenue (Westwood), Sunset Boulevard and Highland Avenue (Hollywood), and La Cienega Boulevard and Century Boulevard (Inglewood). The busiest intersection was Wilshire and Veteran, used by 100,000 vehicles per day. The 2003 AQMP estimated a 4.6 ppm one-hour concentration at this intersection, which meant that an exceedance (20 ppm) would not occur until daily traffic exceeded more than 400,000 vehicles per day.

49 California Office of Environmental Health Hazard Assessment. Health Effects of Diesel Exhaust. www.http://oehha.ca.gov/public_info/facts/dieselfacts.html

50 South Coast Air Quality Management District, Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions, December 2002.

Cumulative Impacts

According to SCAQMD, individual projects that exceed SCAQMD's recommended daily thresholds for project-specific impacts would cause a cumulatively considerable increase in emissions for those pollutants for which the Air Basin is in non-attainment. As discussed above, the Project's construction-related and operational air quality emissions would be less than significant. Therefore, the Project's contribution to cumulative air quality impacts due to air emissions would not be cumulatively considerable and, therefore, would be less than significant.

Similar to the Project, the greatest potential for TAC emissions at each Related Project would generally involve diesel particulate emissions associated with heavy equipment operations during grading and excavation activities. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of TACs over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Construction activities are temporary and short-term events, thus construction activities at each Related Project would not result in a long-term substantial source of TAC emissions. Additionally, SCAQMD's CEQA Air Quality Handbook and SCAQMD's supplemental online guidance/information do not require an HRA for short-term construction emissions. It is, therefore, not required or meaningful to evaluate long-term cancer impacts from construction activities which occur over relatively short durations. As such, given the short-term nature of these activities, cumulative TAC emission impacts during construction would be less than significant.

With respect to TAC emissions, neither the Project nor any of Related Projects (which are largely residential, retail/commercial, and institutional), would represent a substantial source of TAC emissions, which are typically associated with large-scale industrial, manufacturing, and transportation hub facilities. However, the Project and Related Projects would be subject to SCAQMD permitting and best available control technology (BACT) requirements to limit pollutant emissions. The Project and Related Projects would be consistent with the recommended screening level siting distances for TAC sources, as set forth in CARB's Land Use Guidelines, and the Project and Related Projects would not result in a cumulative impact requiring further evaluation. However, the Related Projects could generate minimal TAC emissions related to the use of consumer products and landscape maintenance activities, among other things. Pursuant to AB 1807, which directs CARB to identify substances as TACs and adopt airborne toxic control measures to control such substances, SCAQMD has adopted numerous rules (primarily in Regulation XIV) that specifically address TAC emissions. These SCAQMD rules have resulted in and will continue to result in substantial Basin-wide TAC emissions reductions. As such, cumulative TAC emissions during long-term operations would be less than significant. In addition, as discussed above, the Project would not result in any substantial sources of TACs that have been identified by the CARB's Land Use Guidelines and thus, would not contribute to a cumulative impact.

In conclusion, during construction and operation, the Project's regional, localized, and TAC emissions would not be cumulatively considerable, and cumulative impacts would be less than significant.

TECHNICAL APPENDIX

DouglasKim+Associates,LLC

FUTURE EMISSIONS

Sunset Everett (Future) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sunset Everett (Future)
Construction Start Date	12/24/2024
Operational Year	2027
Lead Agency	City of Los Angeles
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	1185 W Sunset Blvd, Los Angeles, CA 90026, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4029
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.17

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Apartments Mid Rise	327	Dwelling Unit	2.30	311,838	37,095	—	773	—
High Turnover (Sit Down Restaurant)	9.46	1000sqft	0.16	9,462	0.00	—	—	—
Enclosed Parking with Elevator	263	Space	0.00	105,200	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0	48.8	78.9	0.12	1.62	4.91	6.52	1.49	1.17	2.66
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	5.85	42.5	65.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	7.37	29.3	46.1	0.06	1.03	2.94	3.97	0.94	0.70	1.64
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	1.34	5.34	8.42	0.01	0.19	0.54	0.73	0.17	0.13	0.30

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2025	5.86	42.3	68.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
2026	5.46	40.7	66.5	0.09	1.44	4.17	5.61	1.32	1.00	2.31
2027	38.0	48.8	78.9	0.12	1.62	4.91	6.52	1.49	1.17	2.66
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2024	0.20	2.10	1.87	0.01	0.05	0.66	0.71	0.05	0.12	0.17
2025	5.85	42.5	65.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
2026	5.45	40.9	63.9	0.09	1.44	4.17	5.61	1.32	1.00	2.31
2027	5.18	39.3	62.5	0.09	1.26	4.17	5.42	1.16	1.00	2.15
Average Daily	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.03	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
2025	2.85	22.5	32.4	0.05	0.83	2.18	3.01	0.76	0.52	1.28
2026	3.89	29.3	46.1	0.06	1.03	2.94	3.97	0.94	0.70	1.64
2027	7.37	13.4	21.1	0.03	0.44	1.35	1.78	0.40	0.32	0.72
Annual	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2025	0.52	4.10	5.91	0.01	0.15	0.40	0.55	0.14	0.09	0.23
2026	0.71	5.34	8.42	0.01	0.19	0.54	0.73	0.17	0.13	0.30
2027	1.34	2.44	3.84	0.01	0.08	0.25	0.33	0.07	0.06	0.13

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2025	5.86	42.3	68.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
2026	5.46	40.7	66.5	0.09	1.44	4.17	5.61	1.32	1.00	2.31
2027	38.0	48.8	78.9	0.12	1.62	4.91	6.52	1.49	1.17	2.66
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2024	0.20	2.10	1.87	0.01	0.05	0.66	0.71	0.05	0.12	0.17
2025	5.85	42.5	65.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
2026	5.45	40.9	63.9	0.09	1.44	4.17	5.61	1.32	1.00	2.31
2027	5.18	39.3	62.5	0.09	1.26	4.17	5.42	1.16	1.00	2.15
Average Daily	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.03	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
2025	2.85	22.5	32.4	0.05	0.83	2.18	3.01	0.76	0.52	1.28
2026	3.89	29.3	46.1	0.06	1.03	2.94	3.97	0.94	0.70	1.64
2027	7.37	13.4	21.1	0.03	0.44	1.35	1.78	0.40	0.32	0.72
Annual	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2025	0.52	4.10	5.91	0.01	0.15	0.40	0.55	0.14	0.09	0.23
2026	0.71	5.34	8.42	0.01	0.19	0.54	0.73	0.17	0.13	0.30
2027	1.34	2.44	3.84	0.01	0.08	0.25	0.33	0.07	0.06	0.13

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	67.8	—	—	—	—	—	—	—

Mit.	—	—	67.5	—	—	—	—	—	—	—
% Reduced	—	—	1%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	41.3	—	—	—	—	—	—	—
Mit.	—	—	40.9	—	—	—	—	—	—	—
% Reduced	—	—	1%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	54.8	—	—	—	—	—	—	—
Mit.	—	—	54.4	—	—	—	—	—	—	—
% Reduced	—	—	1%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	10.0	—	—	—	—	—	—	—
Mit.	—	—	9.94	—	—	—	—	—	—	—
% Reduced	—	—	1%	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Energy	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—

Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	67.8	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Energy	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	41.3	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	5.35	3.84	38.1	0.09	0.06	8.48	8.54	0.05	2.15	2.21
Area	9.11	0.15	16.1	< 0.005	0.01	—	0.01	0.01	—	0.01
Energy	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	54.8	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40
Area	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Energy	0.01	0.19	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—

Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	10.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Energy	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	67.5	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Energy	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	40.9	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	5.35	3.84	38.1	0.09	0.06	8.48	8.54	0.05	2.15	2.21

Area	9.11	0.15	16.1	< 0.005	0.01	—	0.01	0.01	—	0.01
Energy	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	54.4	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40
Area	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Energy	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Total	NaN	NaN	9.94	NaN	NaN	NaN	NaN	NaN	NaN	NaN

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.16	1.31	1.27	< 0.005	0.05	—	0.05	0.04	—	0.04
Demolition	—	—	—	—	—	0.44	0.44	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.76	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.31	1.27	< 0.005	0.05	—	0.05	0.04	—	0.04
Demolition	—	—	—	—	—	0.44	0.44	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.76	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	10.9	11.0	0.03	0.47	—	0.47	0.43	—	0.43
Dust From Material Movement	—	—	—	—	—	0.62	0.62	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.33	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01

Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.96	2.25	0.03	0.06	1.25	1.31	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	10.9	11.0	0.03	0.47	—	0.47	0.43	—	0.43
Dust From Material Movement	—	—	—	—	—	0.62	0.62	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.33	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.96	2.25	0.03	0.06	1.25	1.31	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	13.1	16.5	0.02	0.60	—	0.60	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	13.1	16.5	0.02	0.60	—	0.60	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.70	3.40	0.01	0.12	—	0.12	0.11	—	0.11
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.49	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.67	2.20	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.89	2.23	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.22	0.46	0.01	0.01	0.25	0.26	0.01	0.07	0.08

Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.22	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	13.1	16.5	0.02	0.60	—	0.60	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	13.1	16.5	0.02	0.60	—	0.60	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.70	3.40	0.01	0.12	—	0.12	0.11	—	0.11
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.49	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.67	2.20	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.89	2.23	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.22	0.46	0.01	0.01	0.25	0.26	0.01	0.07	0.08
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.22	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	39.2	47.6	0.08	1.58	—	1.58	1.45	—	1.45
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	39.2	47.6	0.08	1.58	—	1.58	1.45	—	1.45
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	16.4	19.9	0.03	0.66	—	0.66	0.61	—	0.61
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.99	3.64	0.01	0.12	—	0.12	0.11	—	0.11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.23	19.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.94	0.95	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.36	16.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	2.02	0.96	0.01	0.02	0.46	0.48	0.01	0.13	0.14

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.62	7.36	0.00	0.00	1.54	1.54	0.00	0.36	0.36
Vendor	0.02	0.85	0.40	0.01	0.01	0.19	0.20	0.01	0.05	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.34	0.00	0.00	0.28	0.28	0.00	0.07	0.07
Vendor	< 0.005	0.16	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	39.2	47.6	0.08	1.58	—	1.58	1.45	—	1.45
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	39.2	47.6	0.08	1.58	—	1.58	1.45	—	1.45
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	16.4	19.9	0.03	0.66	—	0.66	0.61	—	0.61
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.35	2.99	3.64	0.01	0.12	—	0.12	0.11	—	0.11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.23	19.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.94	0.95	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.36	16.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	2.02	0.96	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.62	7.36	0.00	0.00	1.54	1.54	0.00	0.36	0.36
Vendor	0.02	0.85	0.40	0.01	0.01	0.19	0.20	0.01	0.05	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.34	0.00	0.00	0.28	0.28	0.00	0.07	0.07
Vendor	< 0.005	0.16	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	4.36	37.7	47.3	0.08	1.42	—	1.42	1.30	—	1.30
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.36	37.7	47.3	0.08	1.42	—	1.42	1.30	—	1.30
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	26.9	33.8	0.05	1.01	—	1.01	0.93	—	0.93
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.92	6.17	0.01	0.18	—	0.18	0.17	—	0.17
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.10	18.3	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.85	0.89	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.23	15.6	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.93	0.92	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.96	11.7	0.00	0.00	2.62	2.62	0.00	0.61	0.61
Vendor	0.04	1.39	0.65	0.01	0.02	0.33	0.34	0.01	0.09	0.10

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.13	0.00	0.00	0.48	0.48	0.00	0.11	0.11
Vendor	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.36	37.7	47.3	0.08	1.42	—	1.42	1.30	—	1.30
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.36	37.7	47.3	0.08	1.42	—	1.42	1.30	—	1.30
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	26.9	33.8	0.05	1.01	—	1.01	0.93	—	0.93
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.92	6.17	0.01	0.18	—	0.18	0.17	—	0.17
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.10	18.3	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.85	0.89	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.23	15.6	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.93	0.92	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.96	11.7	0.00	0.00	2.62	2.62	0.00	0.61	0.61
Vendor	0.04	1.39	0.65	0.01	0.02	0.33	0.34	0.01	0.09	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.13	0.00	0.00	0.48	0.48	0.00	0.11	0.11
Vendor	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.15	36.2	47.2	0.08	1.24	—	1.24	1.14	—	1.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.15	36.2	47.2	0.08	1.24	—	1.24	1.14	—	1.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.22	10.7	13.9	0.02	0.37	—	0.37	0.34	—	0.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.95	2.54	< 0.005	0.07	—	0.07	0.06	—	0.06
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.98	17.0	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.77	0.84	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.22	14.4	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.84	0.86	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.36	4.48	0.00	0.00	1.08	1.08	0.00	0.25	0.25
Vendor	0.01	0.55	0.25	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.82	0.00	0.00	0.20	0.20	0.00	0.05	0.05

Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.15	36.2	47.2	0.08	1.24	—	1.24	1.14	—	1.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.15	36.2	47.2	0.08	1.24	—	1.24	1.14	—	1.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.22	10.7	13.9	0.02	0.37	—	0.37	0.34	—	0.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.95	2.54	< 0.005	0.07	—	0.07	0.06	—	0.06
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.98	17.0	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.77	0.84	0.01	0.01	0.46	0.47	0.01	0.13	0.14

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.22	14.4	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.84	0.86	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.36	4.48	0.00	0.00	1.08	1.08	0.00	0.25	0.25
Vendor	0.01	0.55	0.25	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.82	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.63	10.4	0.03	0.36	—	0.36	0.33	—	0.33
Architectural Coatings	31.4	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	1.72	1.85	0.01	0.06	—	0.06	0.06	—	0.06
Architectural Coatings	5.59	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.31	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	3.41	0.00	0.00	0.74	0.74	0.00	0.17	0.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.63	10.4	0.03	0.36	—	0.36	0.33	—	0.33
Architectural Coatings	31.4	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.72	1.85	0.01	0.06	—	0.06	0.06	—	0.06
Architectural Coatings	5.59	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.31	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	3.41	0.00	0.00	0.74	0.74	0.00	0.17	0.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Trenching (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.44	2.64	< 0.005	0.10	—	0.10	0.09	—	0.09
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Trenching (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.44	2.64	< 0.005	0.10	—	0.10	0.09	—	0.09
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.36	2.88	33.1	0.08	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.29	0.91	10.7	0.03	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.30	3.14	30.9	0.07	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.28	1.00	9.86	0.02	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.77	0.57	5.68	0.01	0.01	1.29	1.30	0.01	0.33	0.34
High Turnover (Sit Down Restaurant)	0.21	0.13	1.27	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.36	2.88	33.1	0.08	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.29	0.91	10.7	0.03	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.30	3.14	30.9	0.07	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.28	1.00	9.86	0.02	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.77	0.57	5.68	0.01	0.01	1.29	1.30	0.01	0.33	0.34

High Turnover (Sit Down Restaurant)	0.21	0.13	1.27	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.82	0.35	0.01	0.07	—	0.07	0.07	—	0.07
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.82	0.35	0.01	0.07	—	0.07	0.07	—	0.07
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.15	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01
High Turnover (Sit Down Restaurant)	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.01	0.19	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.45	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Total	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Total	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	1.25	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.45	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Total	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Total	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	1.25	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	Infinity	—	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	NaN	-Infinity	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—

Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	Infinity	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	—	-Infinity	—	-Infinity	NaN	NaN	NaN	NaN	NaN	NaN
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Subtotal	—	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
—	—	—	—	—	—	—	—	—	—	—
Total	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	Infinity	—	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity

Oklahoma Texas Redbud	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	NaN	-Infinity	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	Infinity	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity

Orange Wattle	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	—	-Infinity	—	-Infinity	NaN	NaN	NaN	NaN	NaN	NaN
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Subtotal	—	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
—	—	—	—	—	—	—	—	—	—	—
Total	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	Infinity	—	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN

Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	NaN	-Infinity	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	Infinity	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity

Catalina Cherry	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	—	-Infinity	—	-Infinity	NaN	NaN	NaN	NaN	NaN	NaN
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Subtotal	—	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
—	—	—	—	—	—	—	—	—	—	—
Total	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	Infinity	—	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	NaN	-Infinity	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—

Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	Infinity	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	—	-Infinity	—	-Infinity	NaN	NaN	NaN	NaN	NaN	NaN
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Subtotal	—	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
—	—	—	—	—	—	—	—	—	—	—

Total	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	Infinity	—	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	NaN	-Infinity	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—

Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	Infinity	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	—	-Infinity	—	-Infinity	NaN	NaN	NaN	NaN	NaN	NaN
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Subtotal	—	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
—	—	—	—	—	—	—	—	—	—	—
Total	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Annual	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	Infinity	—	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity
Orange Wattle	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity

Oklahoma Texas Redbud	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	-Infinity	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	NaN	-Infinity	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
undefined	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	Infinity	—	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity	Infinity

Orange Wattle	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Marina Strawberry Tree	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Oklahoma Texas Redbud	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Australian Willow	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Saratoga Hybrid Laurel	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Catalina Cherry	—	-Infinity	—	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity	-Infinity
Coast Live Oak	—	-Infinity	—	-Infinity	NaN	NaN	NaN	NaN	NaN	NaN
Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Fruitless Olive	—	—	—	—	NaN	NaN	NaN	NaN	NaN	NaN
Subtotal	—	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN
—	—	—	—	—	—	—	—	—	—	—
Total	NaN	NaN	—	NaN	NaN	NaN	NaN	NaN	NaN	NaN

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/24/2024	12/31/2024	5.00	6.00	—
Site Preparation	Site Preparation	1/1/2025	1/15/2025	5.00	11.0	—
Grading	Grading	1/16/2025	4/30/2025	5.00	75.0	—
Building Construction	Building Construction	6/1/2025	5/31/2027	5.00	521	—
Architectural Coating	Architectural Coating	4/1/2027	6/30/2027	5.00	65.0	—
Trenching	Trenching	5/1/2025	5/31/2025	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73

Building Construction	Dumpers/Tenders	Diesel	Average	3.00	8.00	16.0	0.38
Building Construction	Other Construction Equipment	Diesel	Average	5.00	8.00	82.0	0.42
Building Construction	Other General Industrial Equipment	Diesel	Average	6.00	8.00	35.0	0.34
Building Construction	Other Material Handling Equipment	Diesel	Average	3.00	8.00	93.0	0.40
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Architectural Coating	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Architectural Coating	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Architectural Coating	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	14.0	0.30
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50

Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	3.00	8.00	16.0	0.38
Building Construction	Other Construction Equipment	Diesel	Average	5.00	8.00	82.0	0.42
Building Construction	Other General Industrial Equipment	Diesel	Average	6.00	8.00	35.0	0.34
Building Construction	Other Material Handling Equipment	Diesel	Average	3.00	8.00	93.0	0.40
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Architectural Coating	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Architectural Coating	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30

Architectural Coating	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	14.0	0.30
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.33	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	67.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	66.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	284	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	53.7	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	56.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	7.50	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.33	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	67.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2

Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	66.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	284	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	53.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	56.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	7.50	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	631,472	210,491	14,193	4,731	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	200	—
Site Preparation	—	5,936	16.5	0.00	—
Grading	—	40,000	75.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

2027	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,439	1,373	1,373	518,342	10,206	9,742	9,742	3,676,943
High Turnover (Sit Down Restaurant)	416	378	378	148,013	1,458	3,390	3,390	733,761
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,439	1,373	1,373	518,342	10,206	9,742	9,742	3,676,943
High Turnover (Sit Down Restaurant)	416	378	378	148,013	1,458	3,390	3,390	733,761
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	327
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	327
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
631471.95	210,491	14,193	4,731	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,073,702	690	0.0489	0.0069	3,245,592
High Turnover (Sit Down Restaurant)	308,178	690	0.0489	0.0069	896,332
Enclosed Parking with Elevator	388,339	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,075,143	690	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	308,178	690	0.0489	0.0069	896,332
Enclosed Parking with Elevator	388,339	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	12,188,533	635,851
High Turnover (Sit Down Restaurant)	2,872,036	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	12,188,533	635,851
High Turnover (Sit Down Restaurant)	2,872,036	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	193	—
High Turnover (Sit Down Restaurant)	113	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	193	—
High Turnover (Sit Down Restaurant)	113	—

Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Orange Wattle	8.00	17,003	85.0
Marina Strawberry Tree	14.0	27,228	133
Oklahoma Texas Redbud	15.0	21,429	96.0
Australian Willow	14.0	7,085	30.0
Saratoga Hybrid Laurel	15.0	21,252	106
Olive	1.00	5,193	24.0
Fruitless Olive	2.00	—	—
Catalina Cherry	12.0	25,490	127
Coast Live Oak	1.00	21,967	107
Mexican Fan Palsm	-9.00	5,779	22.0

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Orange Wattle	8.00	17,003	85.0
Marina Strawberry Tree	14.0	27,228	133
Oklahoma Texas Redbud	15.0	21,429	96.0
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Saratoga Hybrid Laurel	15.0	21,252	106
Olive	1.00	5,193	24.0
Fruitless Olive	2.00	—	—
Catalina Cherry	12.0	25,490	127
Coast Live Oak	1.00	21,967	107
Mexican Fan Palsm	-9.00	5,779	22.0

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.58	annual days of extreme heat
Extreme Precipitation	6.70	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A

Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	57.0
AQ-PM	90.4
AQ-DPM	90.9
Drinking Water	92.5
Lead Risk Housing	83.5
Pesticides	0.00
Toxic Releases	76.8
Traffic	92.2
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	59.6
Haz Waste Facilities/Generators	54.6

Impaired Water Bodies	66.7
Solid Waste	24.8
Sensitive Population	—
Asthma	63.7
Cardio-vascular	60.6
Low Birth Weights	43.1
Socioeconomic Factor Indicators	—
Education	66.1
Housing	65.2
Linguistic	75.2
Poverty	33.5
Unemployment	60.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	38.44475812
Employed	72.42397023
Median HI	50.67368151
Education	—
Bachelor's or higher	67.68895162
High school enrollment	100
Preschool enrollment	74.72090337
Transportation	—
Auto Access	22.93083537
Active commuting	86.88566662

Social	—
2-parent households	32.15706403
Voting	56.82022328
Neighborhood	—
Alcohol availability	9.624021558
Park access	81.35506224
Retail density	29.39817785
Supermarket access	73.02707558
Tree canopy	89.50340049
Housing	—
Homeownership	15.33427435
Housing habitability	17.64403952
Low-inc homeowner severe housing cost burden	6.557166688
Low-inc renter severe housing cost burden	42.98729629
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	21.67329655
Arthritis	86.1
Asthma ER Admissions	40.8
High Blood Pressure	84.3
Cancer (excluding skin)	71.8
Asthma	65.7
Coronary Heart Disease	74.7
Chronic Obstructive Pulmonary Disease	71.2
Diagnosed Diabetes	57.0
Life Expectancy at Birth	64.6
Cognitively Disabled	56.3

Physically Disabled	77.4
Heart Attack ER Admissions	57.0
Mental Health Not Good	48.5
Chronic Kidney Disease	73.0
Obesity	54.6
Pedestrian Injuries	59.1
Physical Health Not Good	50.9
Stroke	75.8
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	47.6
No Leisure Time for Physical Activity	54.1
Climate Change Exposures	—
Wildfire Risk	53.8
SLR Inundation Area	0.0
Children	83.0
Elderly	57.3
English Speaking	18.0
Foreign-born	82.0
Outdoor Workers	80.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.0
Traffic Density	58.5
Traffic Access	87.4
Other Indices	—
Hardship	46.5
Other Decision Support	—

2016 Voting	38.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Project plans. Population derived from Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; July 2023. Estimates from City of Los Angeles VMT Calculator, version 1.3.
Construction: Construction Phases	Developer information
Construction: Off-Road Equipment	Developer information
Construction: Trips and VMT	Assumes 10 CY haul truck capacity
Operations: Hearths	Project plans

Operations: Vehicle Data	—

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CONSTRUCTION BUILDING DEBRIS

Materials	Total SF	Height	Cubic Yards	Pounds per Cub	Tons	Truck Capacity (CY)	Truck Trips	Source
Construction and Debris	0	0	-	484	-	10	-	Florida Department of Environmental Protection A Fact Sheet for C&D Debris Facility Operators
General Building		12	-	1,000	-	10	-	*Federal Emergency Management Agency, Debris Estimating Field Guide (FEMA 329), September 2010. General Building Formula*
Single Family Residence	-	12	-	1,000	-	10	-	Federal Emergency Management Agency. Debris Estimating Field Guide (FEMA 329), September 2010. Single Family Residence Formula, assumes 1 story, Medium vegetative cover multiplier (1.3)
Multi-Family Residence		12	-	1,000	-	10	-	
Mobile Home				1,000	-	10	-	
Mixed Debris	1,344	10	498	480	119	10	100	Florida Department of Environmental Protection A Fact Sheet for C&D Debris Facility Operators
Vegetative Debris (Hardwoods)			-	500	-	10	-	
Vegetative Debris (Softwoods)	16,028	10	5,936	333	989	10	1,187	
Asphalt or concrete (Constructior	6,000	0.5	111	2,400	133	10	22	
TOTAL			6,545		1,242		1,309	

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MATES V TOXIC EMISSIONS OVERVIEW

About Air Toxics Cancer Risk

Information about community profile statistics
Information about emission sources
Download PDF

Residential Air Toxics Cancer Risk at MATES Monitoring Sites

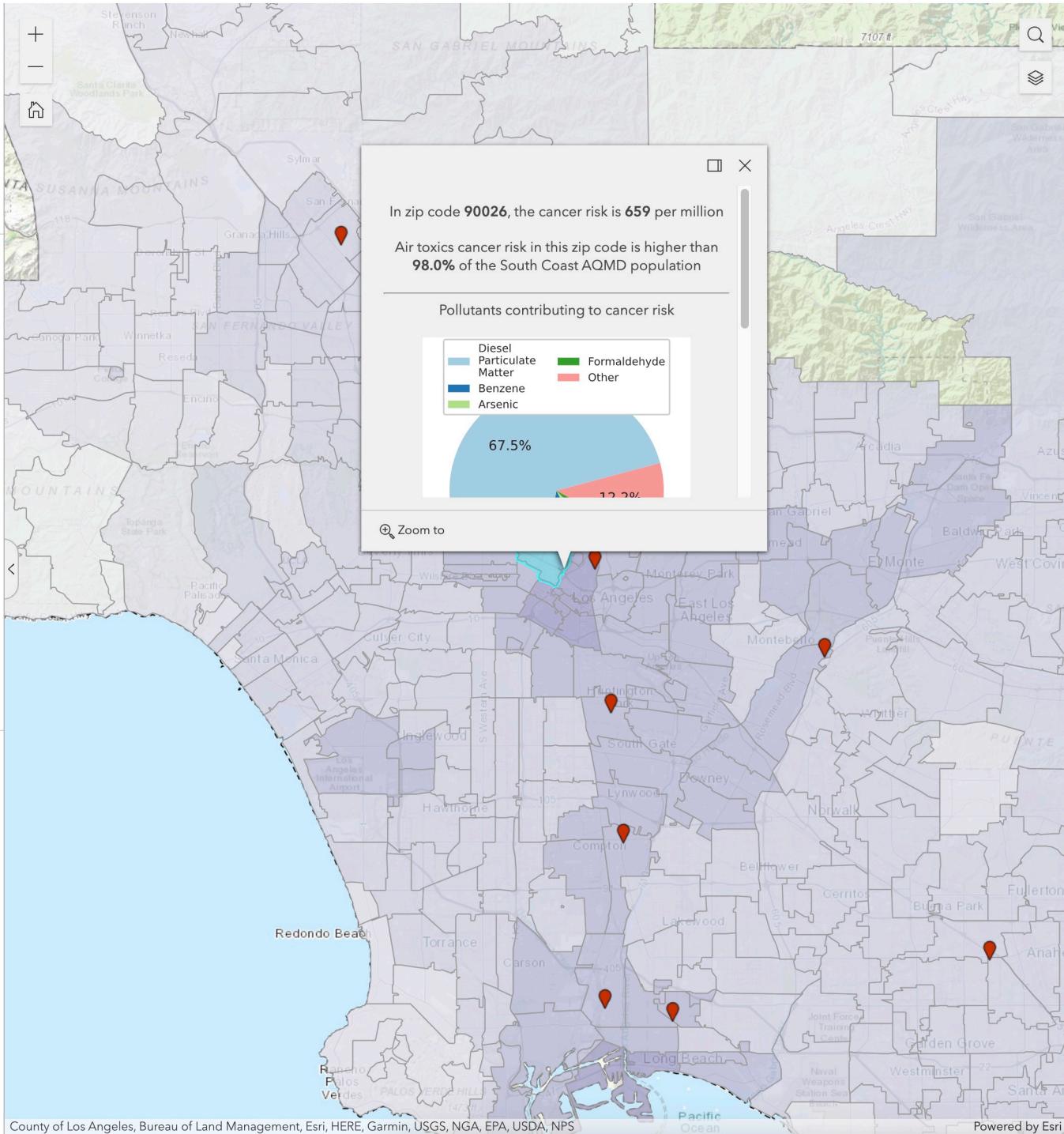
Residential Air Toxics Cancer Risk Calculated from Model Data

Cancer Risk [per million]

- 1601 - 4800
- 1451 - 1600
- 1301 - 1450
- 1151 - 1300
- 1001 - 1150
- 851 - 1000
- 701 - 850
- 551 - 700
- 401 - 550
- 251 - 400
- 101 - 250
- 0 - 100

South Coast AQMD Boundary

The air toxics cancer risk data presented in the MATES Data Visualization is calculated using a population-weighted average.



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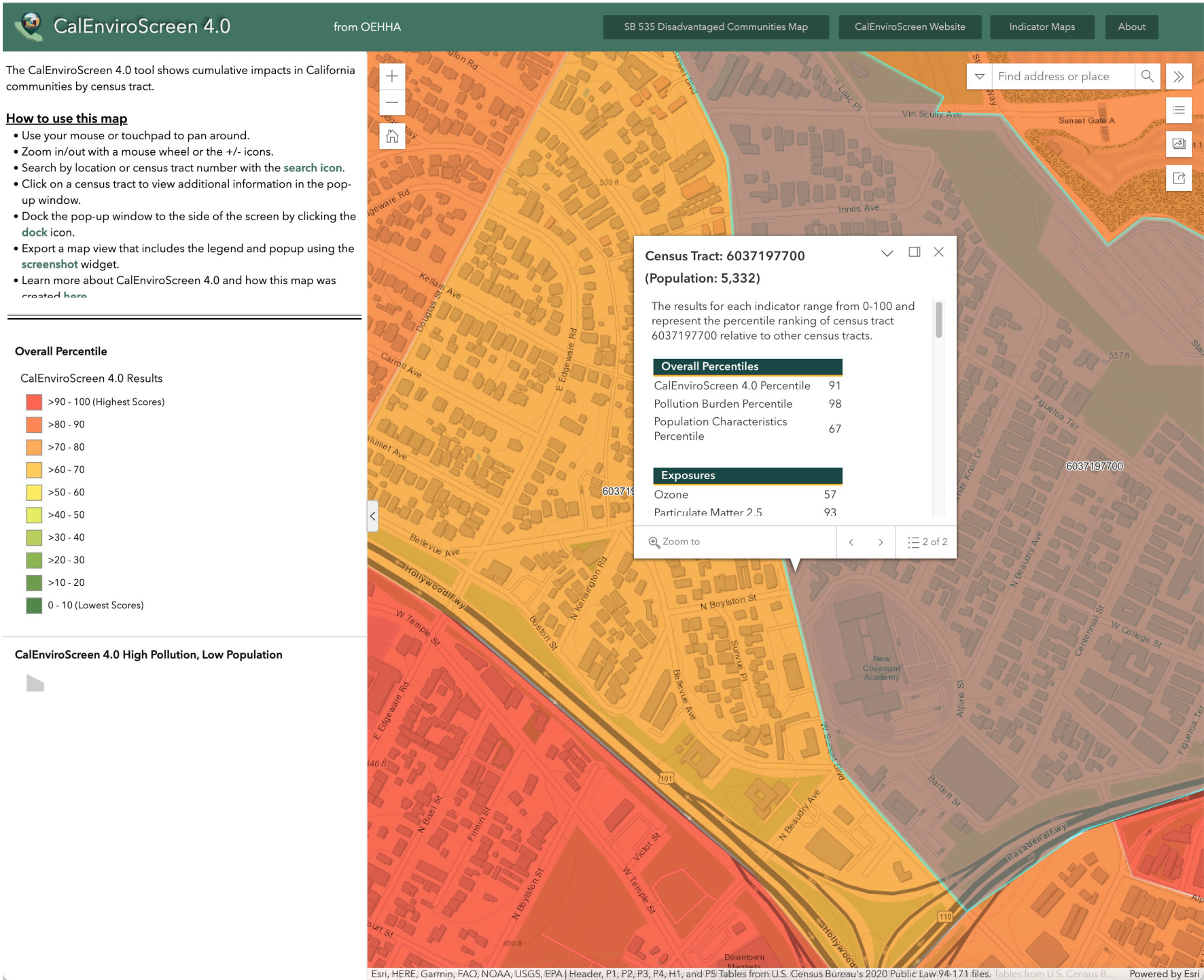
CALENVIROSCREEN 4.0 OUTPUT


CalEnviroScreen 4.0
from OEHHA
SB 535 Disadvantaged Communities Map
CalEnviroScreen Website
Indicator Maps
About
The CalEnviroScreen 4.0 tool shows cumulative impacts in California communities by census tract.
How to use this map
• Use your mouse or touchpad to pan around.
• Zoom in/out with a mouse wheel or the +/- icons.
• Search by location or census tract number with the search icon.
• Click on a census tract to view additional information in the pop-up window.
• Dock the pop-up window to the side of the screen by clicking the dock icon.
• Export a map view that includes the legend and popup using the screenshot widget.
• Learn more about CalEnviroScreen 4.0 and how this map was created here
Overall Percentile
CalEnviroScreen 4.0 Results
>90 - 100 (Highest Scores)
>80 - 90
>70 - 80
>60 - 70
>50 - 60
>40 - 50
>30 - 40
>20 - 30
>10 - 20
0 - 10 (Lowest Scores)
CalEnviroScreen 4.0 High Pollution, Low Population
Find address or place
Census Tract: 6037197700
(Population: 5,332)
The results for each indicator range from 0-100 and represent the percentile ranking of census tract 6037197700 relative to other census tracts.
Overall Percentiles
CalEnviroScreen 4.0 Percentile 91
Pollution Burden Percentile 98
Population Characteristics Percentile 67
Exposures
Ozone 57
Particulate Matter 2.5 93
Zoom to
2 of 2
6037197700
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | Header, P1, P2, P3, P4, H1, and P5 Tables from U.S. Census Bureau's 2020 Public Law 94-171 files. Tables from U.S. Census B...
Powered by Esri

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CUMULATIVE PROJECTS

Table 2: Related Projects

ID	PROJECT TITLE	PROJECT ADDRESS	LAND USE	SIZE	Trip Generation Estimates [a]					
					AM PEAK HOUR			PM PEAK HOUR		
					In	Out	Total	In	Out	Total
1	Firmin Court Residential	418 N Firmin St	Apartments	64 du	6	9	15	6	4	10
2	Barlow Skilled Nursing Facility	2000 N Stadium Way	Medical	80.545 ksf	19	7	26	11	22	33
3	Evertt St (2016) Project	1013 N Everett St	Apartments	49 du	5	20	25	19	10	29
4	Apartments	1246 W Court St	Apartments	54 du	6	22	28	21	12	33
5	Kaiser LA Specialty Medical Center	765 W College St	Medical	100 ksf	178	48	226	78	198	276
			Mental Health Facility	62 beds						
6	1274 Sunset Hotel	1274 Sunset Blvd	Hotel	8 rooms	2	2	4	3	2	5
			Restaurant	1.47 ksf	11	9	20	12	12	24
7	1275 Sunset Residential	1275 Sunset Blvd	Apartments	77 du	7	20	27	18	12	30
8	1111 Sunset Mixed Use	1111 Sunset Blvd	Mixed Use	N/A [b]	241	290	531	386	282	668

du = dwelling units
ksf = one thousand square feet
[a] Based on information provided by LADOT on February 3, 2023 and *ITE Trip Generation Manual, 11th ed* , 2021
[b] Trip generation estimates for 1111 Sunset Mixed Use drawn from the project's Draft EIR.

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Protected Tree Report

Project Address:

1185 Sunset Blvd.
Los Angeles, CA 90026

Prepared For:

Jeff Farrington
Aragon Properties Corp.
1750 Glendale Blvd., Unit 102
Los Angeles, CA 90026
(818) 726-4818

Prepared By:

Ted Lubeshkoff
Registered Consulting Arborist

August 31, 2023

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Summary

Aragon Properties plans to develop a vacant lot at 1185 Sunset Boulevard in Los Angeles by constructing two seven-story, 327-unit mixed-use commercial and residential buildings, which will include 41 very-low-income residential units and 9,462 square feet of commercial space. The project is seeking an entitlement request as part of the City of Los Angeles Planning Department's **Density Bonus**[1] incentive program for a Floor Area Ratio increase and a building height increase. There are seven street trees on the project site which are protected by Los Angeles Municipal Code **Chapter VI, Article 2, Section 62.161**. The City of Los Angeles Preservation of Protected Trees Ordinance 186,873 requires a Protected Tree Report be submitted outlining how the **Protected Trees** will be protected during the development project. No protected street trees will be removed for this project.

JTL Consultants conducted an inspection of the project site on August 16, 2023 and inventoried seven Mexican fan palms (*Washingtonia robusta*) on Sunset Boulevard. There are no Protected Tree and Shrub species, listed in the Preservation of Protected Trees Ordinance 186,873, on the project site.

The seven Mexican fan palms will be protected during the development project by installing tree protection fencing around the trees. The project arborist will be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures.

Introduction

Background

Aragon proposes to build two seven-story, mixed-use commercial and residential buildings on a vacant lot at 1185 Sunset Boulevard Los Angeles, CA 90026. The buildings will have 327 residential units, 41 of which will be used for very low-income households. There will be approximately 9,462 square feet of ground-floor commercial space. The lot is 107,170 square feet and the proposed buildings will have a total floor area of 321,300 square feet. The City of Los Angeles Planning Department's Density Bonus is a local incentive program designed to encourage the production of on-site affordable housing. Density Bonus Project Entitlement Requests include an On-Menu Incentive for the increase in the floor area ratio and an Off-Menu Incentive for an increase in the maximum building height. There are seven Mexican fan palm street trees on the property that are protected by Los Angeles Municipal Code, Section 62.162. Los Angeles Ordinance 186,873 requires a Protected Tree Report be submitted describing how the seven street trees will be protected during construction. Jeff Farrington from Aragon Properties requested JTL Consultants write a Protected Tree Report for this project and JTL Consultants inventoried the trees on August 16, 2023.

[1] Terms appearing in boldface type are defined in the Glossary

Assignment

JTL Consultants' assignment was to identify all Protected Trees on the project site and write a Protected Tree Report outlining how the Protected Trees will be protected during construction. This report will comply with the City of Los Angeles Protected Tree Ordinance 186,873.

Limits of Assignment

This report is based solely on a visual inspection of the site and trees on August 16, 2023 and a review of the project plans provided by Aragon Properties. The tree inspections were limited to ground level visual observations. Root crown inspections, aerial inspections, Tree Risk Assessments, and Tree Appraisals were not included in this assignment.

Purpose and Use of the Report

The purpose of this report is to identify the Protected Trees on the project site and outline how the trees will be protected during the construction project. This report is intended to be used by Aragon Properties to implement the recommendations outlined in it. Upon submission, this report will become the property of Aragon Properties and its use will be at their discretion.

Observations

Site Description

The project site is located at 7979 Sunset Boulevard on the corner of Everett Street, in the Silver Lake-Echo Park-Elysian Valley Community Plan area of the City of Los Angeles, in the County of Los Angeles. The site is southwest of Dodger Stadium, northwest of the 110 Freeway, northeast of the 101 Freeway, and southeast of Echo Park. Griffith Park, the Griffith Observatory, the Greek Theatre, and the Hollywood Bowl are northwest of the project site. There are mixed commercial and retail businesses along Sunset Boulevard. The surrounding neighborhoods are comprised of single-family residences and apartment buildings. The project site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds. There are seven Mexican fan palm street trees in sidewalk openings on Sunset Boulevard. There are no Protected Tree and Shrub species listed in the Preservation of Protected Trees Ordinance 186,873 on the project site. (Appendix A – Tree Location Map, Appendix B – Photos, and Attachment – Site Plan)

Tree Descriptions

In the following table, the tree numbers correspond to an aluminum number tag attached to the trunk of each tree and referenced on the Tree Location Map, Photos, and Site Plan. The photo letters correspond to those shown in Photos. The trees are street trees, non-native, and intentional ornamental plants. All trees will be preserved.

	Tree #	Scientific Name Common Name	Photo	Size	Cond.	Comments
1	721	*Washingtonia robusta* Mexican fan palm	A	**DBH**: 20” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Mechanical damage. Graffiti on trunk.
2	722	*Washingtonia robusta* Mexican fan palm	A	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Graffiti on trunk. **Adventitious** roots.
3	723	*Washingtonia robusta* Mexican fan palm	B	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Mechanical damage. Graffiti on trunk.
4	724	*Washingtonia robusta* Mexican fan palm	B	DBH: 18” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Graffiti on trunk. Adventitious roots.
5	725	*Washingtonia robusta* Mexican fan palm	B	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Graffiti on trunk. Cavity in lower trunk.
6	726	*Washingtonia robusta* Mexican fan palm	C	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Graffiti on trunk. Small palm growing at base of tree.
7	727	*Washingtonia robusta* Mexican fan palm	C	DBH: 20” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Mechanical damage. Hourglass trunk width.

Discussion

Mechanical Damage

Additional mechanical damage to the Mexican fan palm street trees could occur during the construction.

Wounds to tree branches and trunks caused by mechanical damage may reduce tree stability by decreasing the wood strength, the internal movement of water and nutrients, and the ability to defend against decay. Protecting the trees with fencing will help prevent damage from construction. (Matheny, et al, 1998 and Fite, Kelby, and Smiley, 2008)

Change in Grade

The grade will not be lowered or raised within the **dripline** of the Mexican fan palm street trees during construction.

The lowering or raising of the grade within the dripline can damage or kill a tree. The normal exchange of moisture and gases within the dripline is disrupted with the change in grade. The original grade should be maintained as far out from the trunk as possible. The change in grade can have immediate or long-term adverse effects on the tree. (Matheny and Clark, 1998)

Trenching

Trenching within the dripline of the Mexican fan palm street trees will not occur during construction.

Trenching within the dripline can damage the root system of a tree and lead to tree decline or death. Ninety percent of the fine roots that absorb water and minerals are found in the upper few inches of soil. Roots require space, air, and water, and grow best where these requirements are met, which is usually at or near the soil surface. When roots are cut due to trenching, the cut should be clean, leaving no torn edges. Tunneling and bridging should be used to preserve roots wherever possible, underground lines should occupy common trenches. (Matheny, et al, 1998)

Soil Compaction

Soil compaction could occur within the dripline of the two Mexican fan palm street trees during construction.

Soil compaction occurs when the pore space between soil particles is greatly reduced. This causes the reduction of oxygen available to the roots and can lead to decline in trees. Use of equipment, grading, digging, and heavily used walking paths can cause soil compaction in a construction area. Use of protective fencing, mulching within the protective fencing, and limiting the amount of access routes will minimize soil compaction. (Fite, et al, 2008)

Conclusion

Aragon Properties plans to build two seven-story, 327-unit mixed-use commercial and residential buildings on a vacant lot at 1185 Sunset Boulevard which will include 41 very-low-income residential units and 9,462 square feet of commercial space. Jeff Farrington from Aragon Properties contacted JTL Consultants to write a Protected Tree Report for this project. JTL Consultants inventoried seven street trees at the project site on August 16, 2023. The street trees are protected by the Los Angeles Municipal Code, Section 62.162. No trees are proposed to be removed. There are no Protected Tree and Shrub species listed in the Preservation of Protected Trees Ordinance 186,873 on the project site. The recommendations will be followed to minimize the impacts of the construction activities on the street trees.

Recommendations

1. Install tree protection fencing around the street trees at locations shown on the Site Plan.
    a. Chain-link fencing will be at least five-feet tall. This fencing will remain in place through the duration of the construction. Orange flexible fencing will not be used.
    b. The fencing will not be moved at any time for construction work unless the work is supervised by the project arborist.
    c. Within the fenced enclosures, no digging, trenching, soil compaction, or other soil disturbance will be allowed, and the fenced enclosures will be kept clear of building materials, waste, and excess soil.
2. Remove small palm from the base of Tree 726.
3. For aesthetics, the developer may want to consider removing graffiti from palm trunks.
4. The project arborist will be on-site when the tree protection fencing is installed and if any excavation, drilling, demolition, or backfilling takes place within the fenced enclosures of the three street trees. The project arborist will also make periodic site visits to ensure the tree protection fencing is in place and to monitor the condition of the trees.

Glossary

Adventitious Roots: fibrous primary roots that grow independently and periodically from the tree roots.

Condition: one of four possible ratings:
Good - no apparent **defects** or structural problems
Fair - minor defects or structural problems
Poor - major defects or structural problems
Dead - extreme defects or structural problems

DBH: diameter of a tree trunk measured at 4 ½ feet above ground.

Defect: an internal or external point of weakness which can reduce the stability of the tree and include cracks, splits, cankers, galls, girdling, codominant limbs, and wounds.

Density Bonus: a Los Angeles City Planning local incentive program designed to encourage the production of on-site affordable housing in neighborhoods where multi-family zoning is allowed. Along with the City's Transit Oriented Communities Incentive Program, the Density Bonus Program is Los Angeles's biggest driver in producing mixed-income and 100% affordable housing.

Qualifying Density Bonus projects can select from a number of pre-vetted "on-menu" incentives or request the approval of "off-menu" waivers of development standards, in addition to a density increase of up to 35% and a reduction in parking requirements. These incentives apply to projects that seek a limited increase in allowed height, floor area, and lot coverage, along with reductions to yard/setback, open space, and lot width requirements. Developers can request off-menu incentives and waivers of development standards beyond the incentives of State Density Bonus Law.

Dripline: imaginary line defined by the branch spread of a single plant or group of plants, projected onto the ground. Roots are usually found within the dripline but can extend beyond the edge of the dripline.

Los Angeles Municipal Code Chapter VI, Article 2, Section 62.161

Chapter VI, Public Safety and Protection
Article 2, Streets and Sidewalks
Section 62.161, Planting, Maintenance, and Care of Plants in City Streets -Jurisdiction of the Board

The Board of Public Works, through its authorized officers and employees, shall exercise jurisdiction and control over the planting, maintenance and care of trees, plants, and shrubs in all streets of the City.

Protected Tree

The City of Los Angeles Preservation of Protected Trees, Ordinance 186,873, Section 46.01 defines a Protected Tree or Shrub as any tree or shrub within the City of Los Angeles that one of the following southern California native species, which measure four inches or more in cumulative diameter, four and one-half feet above ground:

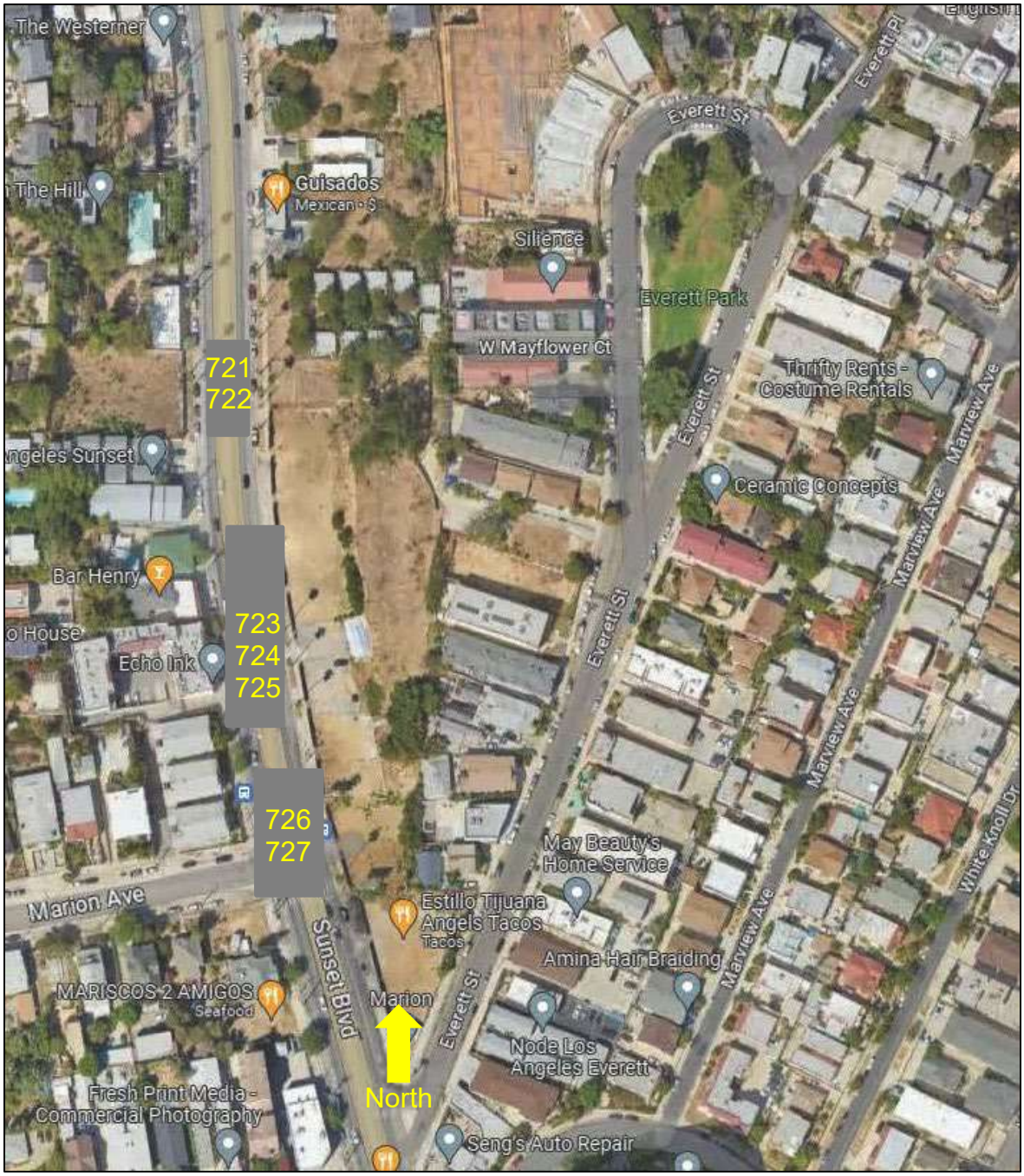
- Any Oak tree including Valley Oak (*Quercus lobata*) and California Live Oak (*Quercus agrifolia*), or any other tree of the oak genus indigenous to California but excluding the Scrub Oak (*Quercus berberidifolia*)
- Southern California Black Walnut (*Juglans californica var. californica*)
- Western Sycamore (*Platanus racemosa*)
- California Bay (*Umbellularia californica*)
- Mexican Elderberry (*Sambucus mexicana*)
- Toyon (*Heteromeles arbutifolia*)

Bibliography

Fite, Kelby, and Smiley, Thomas E., Best Management Practices, *Managing Trees During Construction*, International Society of Arboriculture, Champaign, IL 2008.

Matheny, Nelda and Clark, James R., *Trees and Development: A Technical Guide to Preservation of Trees during Land Development*, International Society of Arboriculture, Champaign, IL 1998.

Appendix A – Tree Location Map



Appendix B – Photos

All trees are Mexican fan palms (*Washingtonia robusta*) and are protected street trees.

Photo A, facing southeast, showing Trees 721 and 722 at the northern end of the property.

Photo B, facing southeast, showing Trees 723, 724, and 725 in the middle of the property.

Photo C, facing southeast showing Tree 726 on the northeast corner of Sunset Boulevard and Marion Avenue, and Tree 727 on the southeast corner of Sunset Boulevard and Marion Avenue.

Appendix C - Assumptions and Limiting Conditions

1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable.

2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible for the accuracy of information provided by others.

3. The consultant/appraiser shall not be required to give testimony or attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.

4. Loss or alteration of any part of this report invalidates the entire report.

5. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written consent of the consultant/appraiser.

6. This report and values expressed herein represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.

7. Sketches, diagrams, graphs, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys.

8. The tree locations in this report are not represented to be of survey quality but are sufficient to allow locating the tree in the field.

9. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the trees or property in question may not arise in the future.

10. Unless specifically stated, Tree Risk Assessments were not conducted on the trees described in this report and JTL Consultants is not responsible for the consequences of any risk associated with the trees, either inferred or implied.

Appendix D - Certificate of Performance

I, Ted Lubeshkoff, certify:

- ✓ That I have personally inspected the tree(s) referred to in the report and have stated my findings accurately. The extent of the evaluation is stated in the attached report;
- ✓ That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved;
- ✓ That the analysis, opinions and conclusions stated herein are my own and are based on current scientific procedures and facts;
- ✓ That my analysis, opinions and conclusions were developed, and this report has been prepared according to commonly accepted arboriculture practices;
- ✓ That no one provided significant professional assistance to me, except as indicated within the report;
- ✓ That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results if the assignment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I, Ted Lubeshkoff, am Registered Consulting Arborist #513 with the American Society of Consulting Arborists, and Certified Arborist WE-8446A with the International Society of Arboriculture. I have been involved in the practice of arboriculture and the care and study of trees for over 25 years.

Signed Date: 8/31/2023

Appendix E - Qualifications

TED LUBESHKOFF

Registered Consulting Arborist and Principal
JTL Consultants
(626) 358-5690 | Ted@JTLconsultants.com |JTLconsultants.com

Ted Lubeshkoff is a Registered Consulting Arborist, a Certified Arborist, Tree Risk Assessment Qualified. He has worked on public utility projects with various companies including Southern California Edison, Pacific Gas and Electric, Southern California Gas Company, California American Water, and Los Angeles Metropolitan Transit Authority.

EDUCATION

Utah State University – Logan, UT College of Natural Resources, 1981-1985
University of La Verne – La Verne, CA – Bachelor of Arts Natural History, 1988

CERTIFICATIONS

- Registered Consulting Arborist #513, American Society of Consulting Arborists
- Certified Arborist WE-8446A, International Society of Arboriculture
- Qualified Tree Risk Assessor, International Society of Arboriculture

PROFESSIONAL SERVICE

- American Society of Consulting Arborists – American Forests “Ask an Arborist”
- International Society of Arboriculture – Proctor for Certified Arborist Exam
- Western Chapter of ISA – Co-chair Consulting Arborist Committee
- Street Tree Seminars – Executive Board Director

PROFESSIONAL OUTREACH

City of Duarte Arbor Day Tree Planting, October 12, 2019
Instructed and oversaw the planting of trees in Royal Oaks Park by volunteers.

PRESENTATIONS AND PUBLICATIONS

Facilitated Roundtable Discussion on *The Business Side of Consulting* , February 23, 2023.

Article: *Codes of Ethics and Standards of Professional Practice*. Western Arborist. Fall 2021.

City of Duarte Tree Care Workshop, September 7, 2019
Discussed soil information, photosynthesis, tree species identification and diversity, proper tree planting, irrigation techniques, proper tree placement, tree diseases.

Western Tree Failure Database Conference, March 28, 2019
Discussed the failure of an Italian Stone Pine (*Pinus pinea*) at the Kidspace Museum in Pasadena, California on July 28, 2015

Example Reports for Consulting Arborists, 3rd Edition, American Society of Consulting Arborists, 2013, 9707 Key West Avenue, Suite 100, Rockville, MD 20850

NOTABLE PROJECTS

LA Metro G-Line Bike Path Tree Damage Assessments June 2023

Assessed 90 trees causing damage to the bike path, mapped the trees using ArcGIS software, and wrote a Tree Assessment Report making recommendations to repair the asphalt damage, while preserving the majority of the trees.

Annual Inspection of a Historic Valley Oak, City of Westlake Village, April 2023

Inspected the Aspenview Court valley oak to determine if there were dead branches in the canopy and decay in the root crown and to make pruning recommendations.

LA Metro G-Line Busway Rapid Transit Improvements Project, March 2023

Assessed 13 trees within the busway that could be impacted by 42 utility potholing locations, mapped the trees and boring locations using ArcGIS software, and wrote a Tree Assessment Report making recommendations to protect the trees during the potholing.

LA Metro G-Line Busway Rapid Transit Improvements Project, January 2023

Evaluated 38 trees within the busway that could be impacted by 88 geotechnical boring locations, mapped the trees and boring locations using ArcGIS software, and wrote a Tree Assessment Report making recommendations to protect the trees during the boring.

Stephen Wise Temple School, Los Angeles, July 2022

Wrote a Protected Tree Report for the City of Los Angeles Urban Forestry Division outlining tree protection measures for Protected Trees during the construction of a new Early Childhood Center and a fire access road.

CA American Water, Las Lomas Booster Pump Station, Duarte, September 2022

Wrote a Tree Protection Report for the City of Duarte outlining how Protected mature eucalyptus trees will be preserved during booster pump station improvements.

Southern California Gas Company Pipeline Replacement, La Canada, May 2022

Wrote a Tree Protection Report for the City of La Canada Flintridge outlining tree protection measures for Protected Trees on private property during a gas pipeline replacement project. Monitored tree protection measures during construction.

UCLA Campus-Wide Tree Risk Assessments, September 2021 to April 2022

Conducted International Society of Arboriculture Tree Risk Assessments of over 1,000 trees throughout the campus as part of the development of a Master Landscape Plan and wrote a Tree Risk Assessment Report. Tree Location and Risk Information was collected using a GIS-based database software.

California High-Speed Rail Construction Project, April 2022

Wrote a Tree Evaluation Report outlining the impacts a 1,620-foot underground utility trenching could have on a privately-owned almond orchard.

Southern California Gas Company Valve Automation, Granada Hills, February 2022

Wrote a Protected Tree Report for the City of Los Angeles Urban Forestry Division to show how a Protected Tree on private property will be protected during an underground gas pipeline valve automation project.

LA Metro Westside Purple Line Extension Project, December 2021

Evaluated 19 trees that could be impacted by utility confirmatory potholing excavations on the West Los Angeles Veterans Affairs Medical Center property and wrote a Tree Assessment Report outlining recommendations to protect the trees during potholing.

LA Metro and LA County Beaches and Harbors, Bus Turnaround August 2021

Wrote a Tree Assessment Report detailing impacts that could occur to trees and shrubs through the modification of a public parking lot to accommodate a bus turnaround loop, evaluating trees that might be disturbed during the project, and recommending mitigation measures for any risks identified.

LA Metro Westside Purple Line Extension Project, November 2020 to Present

Provide arborist support services including third-party report reviews of construction contractor-prepared documents and conduct tree inventories and nesting bird surveys. Write Tree Inventory and Nesting Bird Reports.

Tree Risk Assessment of a Historic Valley Oak, City of Agoura Hills, August 2020

Conducted a Tree Risk Assessment on a valley oak near the corner of Kanan Road and Agoura Road that had a major limb loss and made recommendations to mitigate the loss.

Los Angeles Regional Interoperability Communications System Land Mobile Radio System, Topanga Peak, Santa Monica Mountains Los Angeles County, August 2020

Wrote an Oak Tree Report to apply for a Coastal Development Oak Tree Report from the Los Angeles County Department of Regional Planning to show how 12 coast live oaks (*Quercus agrifolia*) within a 100-foot buffer around the project site will be protected during replacement of existing equipment and installation of new communications equipment.

Southern California Gas Company Pipeline Repair Project, Sepulveda Community Gardens, Encino, June 2020 to August 2020

Wrote Protected Tree Reports for the City of Los Angeles Recreation and Parks Department and the City of Los Angeles Urban Forestry Division to show how Protected Trees will be protected during underground gas pipeline repairs. Monitored during construction to ensure tree protection measures were adhered to.

Decay Testing and Tree Risk Assessment of a Historic Valley Oak, City of Westlake Village, November 2019

Conducted resistance drilling testing using a Resistograph® tool to measure the relative density of wood in the trunk of a valley oak and conducted a Tree Risk Assessment identifying, analyzing, and evaluating the risk of the tree.

Tree Risk Assessments, City of El Monte Public Works, El Monte, August 2019

Conducted Tree Risk Assessments on 29 mature lemon-scented eucalyptus trees in the center median planters of Garvey Avenue.

Protected Tree Report, Las Virgenes Municipal Water District, Chatsworth, July 2019

Wrote a Protected Tree Report showing how 56 trees that have Protected status will be protected during the Twin Lakes Pump Station Pipeline Installation Project.

The American Society of Consulting Arborists

in recognition of fulfillment of the requirements for

Registered Consulting Arborist® status

confers upon

Ted Lubeshkoff, RCA #513

Registered Membership

12/19/2011

Dr. James R. Clark, RCA #357
President

Both W. Palys, FASAE,CAE
Executive Director

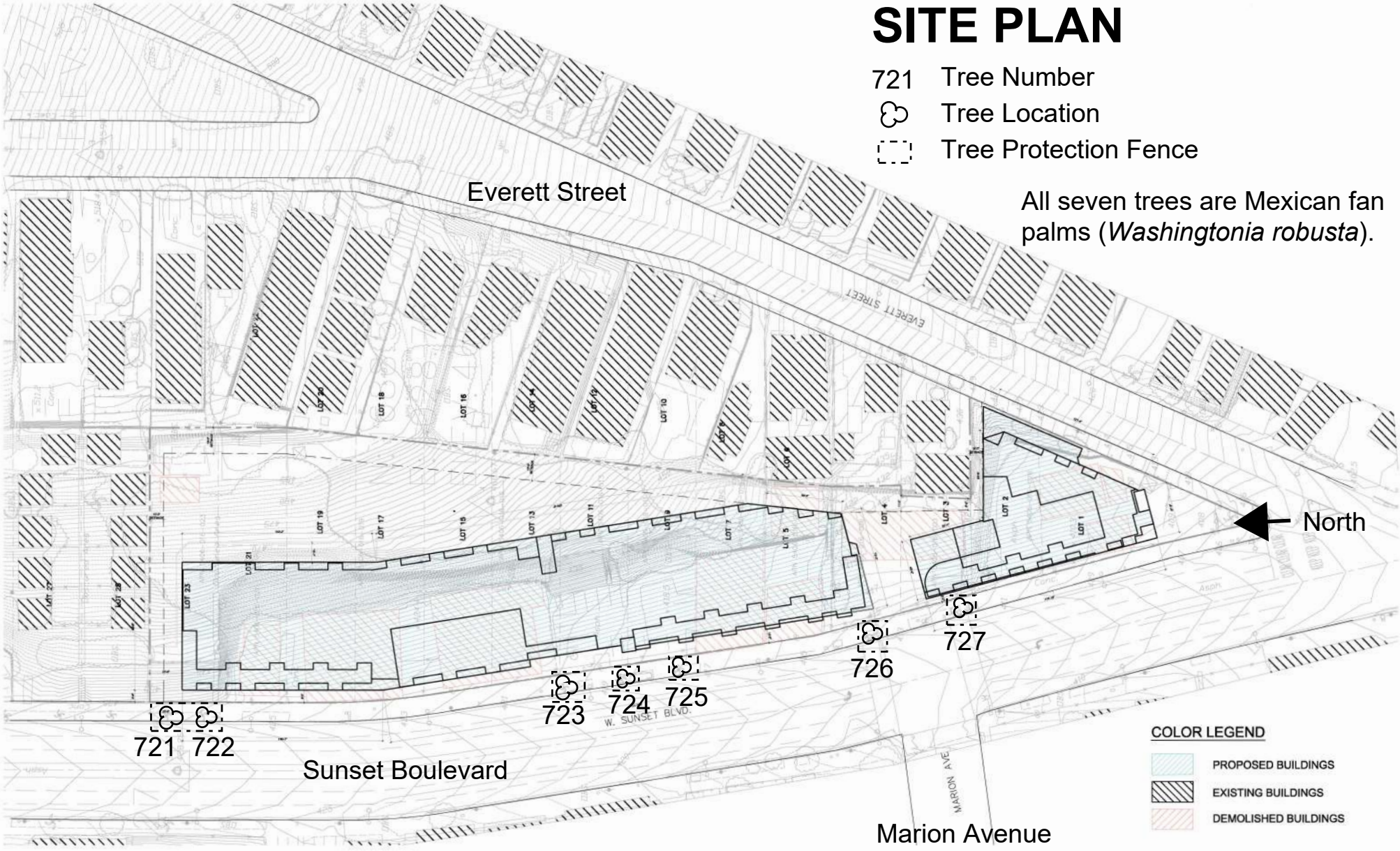
SITE PLAN

721 Tree Number

Tree Location

Tree Protection Fence

All seven trees are Mexican fan palms (*Washingtonia robusta*).



ktgy Architecture + Planning 888.456.5849 ktgy.com

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
JULY 5, 2023

0 15 30 60

This Site Plan is an attachment to a Protected Tree Report, dated August 31, 2023, prepared by JTL Consultants, Consulting Arborists, Duarte, CA (626) 358-5690 JTLconsultants.com

Sunset and Everett
Los Angeles, California

KTGY Architecture + Planning. May 2023.

Historical Resources Technical Report

Prepared by:

CONSULTING

GPA

June 2023

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Appendix A – Résumés

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EXECUTIVE SUMMARY

The purpose of this report is to analyze whether or not a proposed project (Project) would impact historical resources as defined by the California Environmental Quality Act (CEQA). The Project site is located on the east side of W. Sunset Boulevard at the intersection with N. Everett Street in the Echo Park Area of the City of Los Angeles (address range 1185 – 1247 W. Sunset Boulevard). The Project site is composed of 11 vacant parcels with the following Assessor's Parcel Numbers (APNs): 5406-016-003; 5406-016-006; 5406-016-007; 5406-016-010; 5406-016-011; 5406-016-013; 5406-016-016; 5406-016-019; 5406-016-021; 5406-016-023; and 5406-016-028.

The Project site was previously evaluated in a Historical Resources Evaluation Report (HRER) prepared by GPA Consulting (GPA) which determined that none of the then-extant buildings on the Project site were historical resources (see **Appendix B**). Subsequent to the preparation of the 2014 HRER, the buildings on the Project site were demolished and the Project site is now vacant.

The proposed Project would replace a 107,100 square-foot vacant site with two, seven-story mixed-use buildings for residential and commercial use. The buildings would provide a total of 327 dwelling units, 9,462 square feet of commercial space along the ground floor, and 263 on-site, covered parking spaces.

GPA was retained to identify historical resources in the vicinity of the Project site, to assess any potential impacts the Project may have on identified historical resources, and to recommend mitigation measures as appropriate. There are five previously identified historical resources in the vicinity of the Project site: Angelino Heights Historic Preservation Overlay Zone (HPOZ), Historic-Cultural Monument #1110 (Restovich House, 1001 N. Everett Street), the Metropolitan Water District Complex (1111 W. Sunset Boulevard), the Sunset Streetcar Mixed-Use Historic District (1282-1298 W Sunset Boulevard), and the Sunset-East Kensington Public Stairways.

The threshold for determining significant impacts on historical resources in the State CEQA Guidelines is whether the proposed project would cause a substantial adverse change, which is defined as demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resources is materially impaired. Since there are no existing buildings on the Project site, the Project would have no direct impacts on historical resources.

The indirect impacts from the Project were also analyzed. It was concluded that the Project would have no impact on the identified historical resources in the vicinity. The proposed new buildings would introduce a new visual element to the broader context of the identified historical resources; however, the Project would not alter any of the physical characteristics that convey their significance and justify their eligibility as historical resources defined by CEQA. The historical resources would not be materially impaired by the Project. As there would be no significant impact, no mitigation is required or recommended.

1. INTRODUCTION

1.1 Purpose

The purpose of this report is to analyze whether or not a proposed project (Project) would impact historical resources as defined by the California Environmental Quality Act (CEQA). The Project site includes 11 vacant parcels along the east side of West Sunset Boulevard where it intersects with Everett Street in the Echo Park area of the City of Los Angeles (see **Figure 1**).

Figure 1: Project site on W. Sunset Boulevard at N. Everett Street highlighted in yellow.

The Project site was previously studied in a Historical Resources Evaluation Report (HRER) prepared by GPA Consulting (GPA) in 2014 (see **Attachment B**). The 2014 HRER evaluated all then-extant buildings on the Project site and determined that they were not historical resources as defined by the California Environmental Quality Act (CEQA). All buildings were subsequently demolished, and the site is now vacant. The Project site has also been reduced from 12 parcels to 11 parcels with the removal of APN 5406-016-018 (959 N. Everett Street) from the Project. Also, the preliminary design for the Project has been updated (see **Attachment C**).

GPA was retained to prepare this Historical Resources Technical Report (HRTR) to identify historical resources in the vicinity of the Project site, to assess any potential impacts the Project may have on the identified historical resources, and to recommend mitigation measures, as warranted, for compliance with CEQA.

1.3 Methodology

In preparing this report, GPA performed the following tasks:

1. Determined that there are no extant buildings on the Project site; therefore, analysis of potential impacts was limited to designated or previously identified historical resources in the vicinity.

2. Consulted the records search previously obtained from the South Central Coastal Information Center (SCCIC) as part of the 2014 HRER (see **Attachment B**) to determine whether or not the Project vicinity contains any properties that are currently listed under national, state, or local landmark or historic district programs or were previously identified or evaluated as a potential historical resource. This involved a review of the California Historic Resources Inventory System (CHRIS), which includes data on properties listed and determined eligible for listing in the National Register of Historic Places, listed and determined eligible for listing in the California Register of Historical Resources, California Registered Historical Landmarks, Points of Historical Interest, as well as properties that have been evaluated in historic resources surveys and other planning activities. Per the records search results prepared by SCCIC on January 23, 2014, there was one previously recorded property in the vicinity of the Project site included in CHRIS: the Holy Hill Community Church (former Metropolitan Water District [MWD] Headquarters). This resource is further described in Section 3.3 of this report.

3. Consulted the Built Environment Resources Directory (BERD) to determine whether or not properties in the vicinity of the Project site are currently listed as a landmark or part of a historic district under national or state programs and whether or not the property has been previously identified or evaluated as a historical resource. The BERD, maintained by the State Office of Historic Preservation, includes information on cultural and historical resources reviewed for eligibility to the National Register of Historic Places and the California Historical Landmarks programs through federal and state environmental compliance laws, and resources nominated under federal and state registration programs. While the BERD may not include all mapped data on historical or cultural resources filed with the SCCIC, it includes information on previously evaluated properties. The review of the BERD revealed that the building at 1115 W. Sunset Boulevard, within the Holy Hill Community Church campus (former MWD Headquarters), was individually determined eligible for the National Register of Historic Places in 2021 as part of a federal undertaking.

4. Consulted the Los Angeles Historic Resources Inventory website, HistoricPlacesLA.org, to determine if any properties in the Project vicinity are designated Los Angeles Historic-Cultural Monuments (HCM) or within a designated Historic Preservation Overlay Zone (HPOZ). This research revealed that there is one HCM (HCM #1110, Restovich House, 1001 N. Everett Street) and one HPOZ (Angelino Heights HPOZ) in the vicinity if the Project site. These resources are further described in Section 3.3. of this report.

5. Consulted the findings of SurveyLA, the citywide historic resources survey of Los Angeles, to determine if any properties in the vicinity of the Project site were identified as potential historical resources. Four resources were identified by SurveyLA in the vicinity of the Project site: the Sunset Streetcar Mixed-Use Historic District (1282-1298 W Sunset Blvd), the Sunset-

East Kensington Public Stairways, the Metropolitan Water District Complex (also known as Holy Hill Community Church), and 1001 N. Everett (which was later designated as HCM #1110, Restovich House, in 2016). These resources are further described in Section 3.3 of this report.

6. Reviewed and analyzed the conceptual plans and related documents to determine if the Project would have an impact on the identified historical resources as defined by CEQA (see **Appendix C** for Concept Design Plans prepared by KTGY Architecture + Planning, May 2023).

1.3 Qualifications of Preparers

Emma Haggerty, Associate Architectural Historian, and Jenna Kachour, Senior Associate Architectural Historian, were responsible for the preparation of this report. They fulfill the qualifications for a historic preservation professional outlined in Title 36 of the Code of Federal Regulations, Part 61. Their résumés are included in **Appendix A**.

2. REGULATORY FRAMEWORK

Generally, a lead agency must consider a property a historical resource under CEQA if it is eligible for listing in the California Register of Historical Resources (California Register). The California Register is modeled after the National Register of Historic Places (National Register). Furthermore, a property is presumed to be historically significant if it is listed in a local register of historical resources or has been identified as historically significant in a historic resources survey (provided certain statutory criteria and requirements are satisfied) unless a preponderance of evidence demonstrates that the property is not historically or culturally significant.[1] A lead agency may also treat a resource as historic if it meets statutory requirements and substantial evidence supports the conclusion. The National Register, California Register, and City of Los Angeles local designation programs are discussed below.

2.1 National Register of Historic Places

The National Register is "an authoritative guide to be used by federal, state, and local governments, private groups, and citizens to identify the nation's cultural resources and to indicate what properties should be considered for protection from destruction or impairment."[2]

Criteria

To be eligible for listing in the National Register, a property must be at least 50 years of age (unless the property is of "exceptional importance") and possess significance in American history and culture, architecture, or archaeology. A property of potential significance must meet one or more of the following four established criteria:[3]

A. Associated with events that have made a significant contribution to the broad patterns of our history; or

B. Associated with the lives of persons significant in our past; or

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Yield, or may be likely to yield, information important in prehistory or history.

Context

To be eligible for listing in the National Register, a property must be significant within a historic context. "National Register Bulletin 15" states that the significance of a historic property can be judged only when it is evaluated within its historic context. Historic contexts are "those patterns, themes, or trends in history by which a specific...property or site is understood and its meaning...is

[1] Public Resources Code §5024.1 and 14 California Code of Regulations §4850 & §15064.5(a)(2).
[2] Title 36 Code of Federal Regulations Part 60.2.
[3] Title 36 Code of Federal Regulations Part 60.4.

made clear."[4] A property must represent an important aspect of the area's history or prehistory and possess the requisite integrity to qualify for the National Register.

Integrity

In addition to possessing significance within a historic context, to be eligible for listing in the National Register a property must have integrity. Integrity is defined in "National Register Bulletin 15" as "the ability of a property to convey its significance."[5] Within the concept of integrity, the National Register recognizes the following seven aspects or qualities that in various combinations define integrity: feeling, association, workmanship, location, design, setting, and materials. Integrity is based on significance: why, where, and when a property is important. Thus, the significance of the property must be fully established before the integrity is analyzed.

Historic Districts

The National Register includes significant properties, which are classified as buildings, sites, districts, structures, or objects. A historic district "derives its importance from being a unified entity, even though it is often composed of a variety of resources. The identity of a district results from the interrelationship of its resources, which can be an arrangement of historically or functionally related properties."[6]

A district is defined as a geographically definable area of land containing a significant concentration of buildings, sites, structures, or objects united by past events or aesthetically by plan or physical development.[7]

A district's significance and historic integrity should help determine the boundaries. Other factors include:

- Visual barriers that mark a change in the historic character of the area or that break the continuity of the district, such as new construction, highways, or development of a different character;
- Visual changes in the character of the area due to different architectural styles, types, or periods, or to a decline in the concentration of contributing resources;
- Boundaries at a specific time in history, such as the original city limits or the legally recorded boundaries of a housing subdivision, estate, or ranch; and
- Clearly differentiated patterns of historical development, such as commercial versus residential or industrial.[8]

[4] "National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation," U.S. Department of the Interior, National Park Service, Cultural Resources, eds. Patrick Andrus and Rebecca Shrimpton, accessed May 23, 2023, https://www.nps.gov/subjects/nationalregister/upload/NRB-15_web508.pdf, 7-8.
[5] "National Register Bulletin 15," 44-45.
[6] Ibid, 5.
[7] Title 36 Code of Federal Regulations Part 60.3(d).
[8] "National Register Bulletin 21: Defining Boundaries for National Register Properties Form," Donna J. Seifert, U.S Department of the Interior, National Park Services, Cultural Resources, 1997, accessed May 23, 2023, https://www.nps.gov/subjects/nationalregister/upload/Boundaries-Completed.pdf, 12.

Within historic districts, properties are identified as contributing and noncontributing. A contributing building, site, structure, or object adds to the historic associations, historic architectural qualities, or archeological values for which a district is significant because:

- It was present during the period of significance, relates to the significance of the district, and retains its physical integrity; or
- It independently meets the criterion for listing in the National Register.[9]

2.2 California Register of Historical Resources

In 1992, Governor Wilson signed Assembly Bill 2881 into law establishing the California Register. The California Register is an authoritative guide used by state and local agencies, private groups, and citizens to identify historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse impacts.[10]

The California Register consists of properties that are listed automatically as well as those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed in the National Register and those formally Determined Eligible for the National Register;
- State Historical Landmarks from No. 0770 onward; and
- Those California Points of Historical Interest that have been evaluated by the State Office of Historic Preservation (SOHP) and have been recommended to the State Historical Resources Commission for inclusion on the California Register.[11]

Criteria and Integrity

For those properties not automatically listed, the criteria for eligibility of listing in the California Register are based upon National Register criteria, but are identified as 1-4 instead of A-D. To be eligible for listing in the California Register, a property generally must be at least 50 years of age and must possess significance at the local, state, or national level, under one or more of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California, or national history; or
3. It embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values; or

[9] "National Register Bulletin 16A: How to Complete the National Register Registration Form," U.S. Department of the Interior, National Park Service, Cultural Resources, 1997, accessed May 23, 2020, https://www.nps.gov/subjects/nationalregister/upload/NRB16A-Complete.pdf, 16.
[10] Public Resources Code §5024.1 (a).
[11] Public Resources Code §5024.1 (d).

4. It has yielded, or has the potential to yield, information important in the prehistory or history of the local area, California, or the nation.

Properties eligible for listing in the California Register may include buildings, sites, structures, objects, and historic districts. It is possible that properties may not retain sufficient integrity to meet the criteria for listing in the National Register, but they may still be eligible for listing in the California Register. An altered property may still have sufficient integrity for the California Register if it maintains the potential to yield significant scientific or historical information or specific data. [12]

A property less than 50 years of age may be eligible if it can be demonstrated that sufficient time has passed to understand its historical importance.[13]

The California Register may also include properties identified during historic resource surveys. However, the survey must meet all of the following criteria:[14]

1. The survey has been or will be included in the State Historic Resources Inventory;
2. The survey and the survey documentation were prepared in accordance with office [SOHP] procedures and requirements;
3. The resource is evaluated and determined by the office [SOHP] to have a significance rating of Category 1 to 5 on a DPR Form 523; and
4. If the survey is five or more years old at the time of its nomination for inclusion in the California Register, the survey is updated to identify historical resources that have become eligible or ineligible due to changed circumstances or further documentation and those that have been demolished or altered in a manner that substantially diminishes the significance of the resource.

SOHP Survey Methodology

The evaluation instructions and classification system prescribed by the SOHP in its *Instructions for Recording Historical Resources* provide a Status Code for use in classifying potential historical resources. In 2003, the Status Codes were revised to address the California Register. These Status Codes are used statewide in the preparation of historical resource surveys and evaluation reports. The first code is a number that indicates the general category of evaluation. The second code is a letter that indicates whether the property is separately eligible (S), eligible as part of a district (D), or both (B). There is sometimes a third code that describes some of the circumstances or conditions of the evaluation. The general evaluation categories are as follows:

1. Listed in the National Register or the California Register.
2. Determined eligible for listing in the National Register or the California Register.
3. Appears eligible for listing in the National Register or the California Register through survey evaluation.

[12] Title 14 California Code of Regulations §4852 (c).
[13] Title 14 California Code of Regulations §4852 (d) (2).
[14] Public Resources Code §5024.1.

4. Appears eligible for listing in the National Register or the California Register through other evaluation.
5. Recognized as historically significant by local government.
6. Not eligible for listing or designation as specified.
7. Not evaluated or needs re-evaluation.

The specific Status Codes referred to in this report are as follows:

2S2 Individually determined eligible for NR [National Register] by consensus through Section 106 [of the National Historic Preservation Act of 1966] process. Listed in the CR [California Register].

3CS Appears eligible for CR individually through survey evaluation.

5D1 Contributor to a multi-component resource that is listed or designated locally.

5S1 Individually listed or designated locally.

5S3 Appears to be individually eligible for local listing or designation through survey evaluation.

QQQ[15] May be eligible; additional research needed.

2.3 Los Angeles Cultural Heritage Ordinance

The Los Angeles City Council adopted the Cultural Heritage Ordinance in 1962 and amended it in 2018 (Ordinance No. 185472). The Ordinance created a Cultural Heritage Commission and criteria for designating Historic-Cultural Monuments (HCM). The Commission comprises five citizens, appointed by the Mayor, who have exhibited knowledge of Los Angeles history, culture, and architecture. The three criteria for HCM designation are stated below:

1. The proposed HCM is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic, or social history of the nation, state or community; or
2. The proposed HCM is associated with the lives of historic personages important to national, state or local history; or
3. The proposed HCM embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.

Unlike the National and California Registers, the Ordinance makes no mention of concepts such as physical integrity or period of significance. Moreover, properties do not have to reach a minimum age requirement, such as 50 years, to be designated as HCMs.

[15] For the purposes of SurveyLA, this additional status code was developed in collaboration with the SOHP.

3. ENVIRONMENTAL SETTING

3.1 Brief History of the Area

The project site is located in the Echo Park area of the City of Los Angeles. As described in the 2014 HRER prepared by GPA:

> Echo Park was initially developed by real estate developer Thomas Kelley and other investors. They purchased 70 acres of land, including what is now Echo Park Lake, and named it the Montana Tract. The first lots were put up for sale in 1887. The availability of public transportation made the area easily accessible from downtown Los Angeles and encouraged residential development. In 1886, the Ostrich Farm Railway (later to become Sunset Boulevard) was laid out. It ran through the middle of what became the Washington Heights Tract, created the next year in 1887. Two other tracts making up what is now Echo Park are the Echo Park Tract, subdivided in 1903, and the Lake Side Tract, also subdivided in 1903.
>
> The community of Echo Park thrived due to the oil industry in the late 19th century. In 1892, a major oil field was discovered south of what is now Temple Street. Ties to the early film industry also encouraged development. The Edendale area of Echo Park became home to a number of early film studios, which were established along Glendale Boulevard in the 1910s. Early studios included Disney (HCM #163), Talmadge (later ABC), and Mack Sennett's Keystone Studios (HCM #256), which produced the comedy "Keystone Cops." The area was also utilized frequently for filming on location; for example, the Laurel and Hardy film "The Music Box" was filmed on a public stairway in the area.
>
> Development continued in the first decade of the 20th century with the subdivision of tracts such as Sunset Boulevard Heights, northeast of what is now Sunset Boulevard and Echo Park Avenue. The area began to develop in earnest in the 1920s, a period when the city at large experienced a development boom. Due to the hillside terrain of its neighborhoods, the area is home to numerous public stairways, which were first constructed of wood in the 1890s and later replaced with concrete stairs. The presence of the Pacific Electric Red Car line along Sunset Boulevard encouraged commercial development along the street in the 1910s and 1920s. One example of a commercial resource from this period is Jensen's Recreation Center (HCM #652). The rooftop sign depicts a man bowling a strike, a reminder of the bowling alley that once operated in the basement.
>
> The irregular topography generally made the area unsuitable for large-scale institutional development. The two notable exceptions to this rule are the Angelus Temple and Queen of Angels Hospital. The Angelus Temple is located north of Echo Park and is the home of the International Church of the Foursquare Gospel. The church was founded by evangelist Aimee Semple McPherson and opened in 1923. It had a capacity of 5,300. McPherson was a renowned evangelist and was famous for her theatrical sermons; the Church of the Foursquare Gospel was incredibly popular and remains in existence to this day. The Queen of Angels Hospital is located north of the present-day Hollywood Freeway and was founded by the Franciscan Sisters of the Sacred Heart in 1925. The sisters raised the money to build

the hospital and it quickly grew to be one of the largest hospitals in the region. The building was completed in 1927 and expanded in 1933 and 1937. It is now the home of a Christian ministry called The Dream Center.

Echo Park Lake began as a reservoir that captured run-off water from the Los Angeles River. It was known as Reservoir #4 and was created in 1870 as part of the original water system for Los Angeles. Thomas Kelley and other investors purchased the reservoir and surrounding land, but after years of legal battles to claim water rights to the reservoir, they eventually donated the land around the reservoir to the city for use as a park. One of the city's earliest municipal parks, Echo Park's first phase of development occurred between 1892 and 1895 (Echo Park is HCM #836). It was later expanded south to Temple Street with open space, and tennis and croquet courts. The Echo Park Recreation Center (now the Bellevue Recreation Center) was constructed in 1925 and designed by Allied Architects; a library was built three years later (demolished in 1974). A new boathouse was constructed in 1932 to replace an earlier one. Much of the southern portion of the park was affected when the Hollywood Freeway was constructed through the area in the latter half of the 1940s; the freeway eliminated many of the amenities that once existed there, including a fountain, sports field, and walking paths.

The Echo Park neighborhood became a haven for intellectuals and radicals beginning in the late 1920s. Numerous politicians and journalists, both mainstream and radical, lived in Echo Park because of its proximity to downtown Los Angeles. Prominent individuals who resided in the area included the author, editor, and lawyer Carey McWilliams and newspaper columnist and Los Angeles City Council member Estelle Lawton Lindsey. Phillip Dike and Paul Landacre were two of many artists who lived in Echo Park. Dike was a distinguished water colorist as well as an artist at Walt Disney Studios. Landacre was one of the most important printmakers of the modern era. His fascination with printmaking developed in the late 1920s when he met the bookshop and gallery owner Jake Zeitlin, who also lived in the neighborhood. Landacre's house was designated HCM #839 in 2006.

With the majority of the neighborhood developed during the first half of the 20th century, the post-World War II development was limited to infill construction. During this period, however, the neighborhood became increasingly diverse culturally and ethnically. The neighborhood is now predominately Latino but also includes a prominent Asian population. [16]

3.2 History and Description of the Project Site

The Project site is comprised of 11 vacant parcels fronting on the east side of West Sunset Boulevard, north of the intersection with Everett Street (see **Figure 2**). The Project site was previously developed with a mix of residential and commercial buildings which are no longer extant (see **Attachment B**).

[16] GPA Consulting, *Historical Resource Evaluation Report: Sunset and Everett, Los Angeles,* California (Los Angeles: January 2014), p. 9-10.

3.3 Previously Identified Historical Resources in the Vicinity

A total of five previously identified historical resources were located within the vicinity of the Project site (see **Figure 2**). One resource, Angelino Heights (labelled as "1" in Figure 2 below), is a designated HPOZ and one property, Restovich House ("2" in Figure 2), is a designated HCM. The remaining three resources were previously identified as potential historical resources by SurveyLA, including the Metropolitan Water District Complex ("3" in Figure 2), the Sunset Streetcar Mixed-Use Historic District ("4" in Figure 2), and Sunset-East Kensington Public Stairways ("5" in Figure 2).

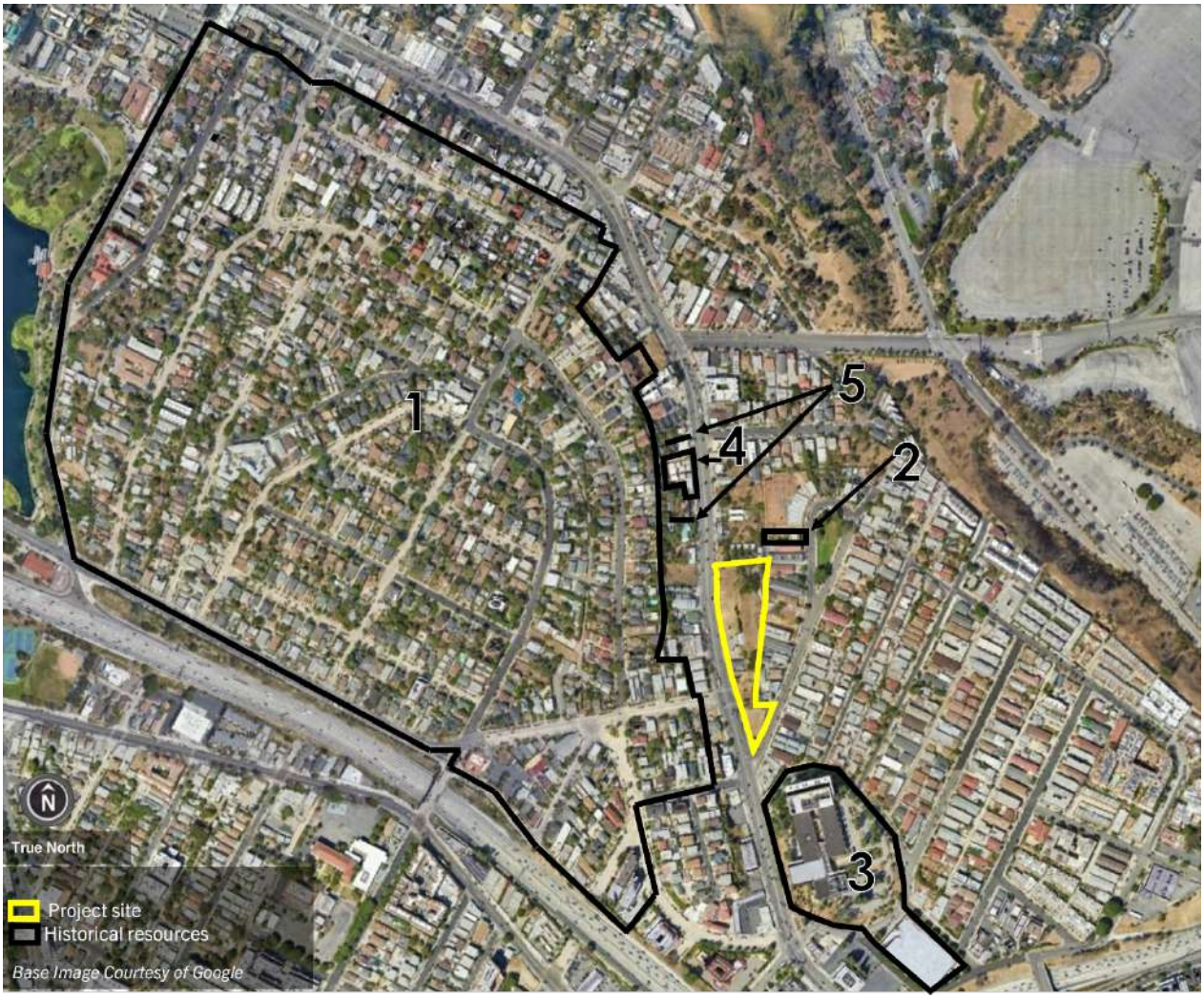

Figure 2: Historical resources in the vicinity of the Project site. Numbers correspond to the descriptions below. Base image courtesy of Google Maps.

A brief description of the historical resources in the vicinity of the Project site follows:

1. Angelino Heights HPOZ

The Angelino Heights neighborhood is one of the oldest suburbs within the City of Los Angeles and retains a concentration of Victorian, Craftsman, and Mission-revival style residential architecture. The district was designated in 1983 as the City's first HPOZ and its boundaries include: Echo Park

Avenue to the east, Allison Avenue to north, East Kensington Road to the west, and Bellevue Avenue and Boston Street to the south. Of the 732 properties within the district, 587 were identified as contributing resources.[17] The Status Code associated with the HPOZ is 5S1, individually listed or designated locally, and the Status Code associated with each of its contributing features is 5D1, contributor to a multi-component resource that is listed or designated locally. There are a number of properties within the HPOZ that have additional designations; for example, the 1300 Block of Carrol Avenue, which has the highest concentration of high-stye Victorian-era residential properties in Los Angeles and is listed in the National Register. The Angelino Heights HPOZ is located west of the Project site, behind properties fronting on the west side of West Sunset Boulevard (see "1" in Figure 2).

2. HCM #1110, Restovich House, 1001 N. Everett Street

In 2014, SurveyLA identified 1001 N. Everett Street as a unique example of a Neoclassical-style residential building. SurveyLA also identified the1905 building as a rare, intact example of early 1900s residential development in the Echo Park neighborhood.[18] The property was designated as HCM #1110 in 2016 and named the Restovich House at the time of designation. [19] The Status Code associated with the property is 5S1, individually listed or designated locally. The Restovich House is located northeast of and uphill from the Project site, separated by two multi-family residential buildings that front on N. Everett Street (see "2" in Figure 2).

3. Metropolitan Water District Complex

The Metropolitan Water District (MWD) Complex is associated with the primary address of 1111 W. Sunset Boulevard and includes a large, oval-shaped parcel and neighboring parcel to the southeast, across N. Beaudry Avenue. The main parcel contains a low-rise building (1962) and office tower (1972) originally designed by William Pereira for the MWD, and a church building (1998) which is a later addition. The additional parcel contains an associated parking structure (1961). The original 1960s-70s buildings were identified by SurveyLA in 2016 as potentially significant for their association with the longtime headquarters of the MWD and as an important example of the work of master architect William Pereira.[20] SurveyLA noted that due to alterations, more research was needed to determine if the property retains sufficient integrity to convey its significance. The Status Code assigned by SurveyLA in 2016 was QQQ, may be eligible; additional research needed. Subsequently, as part of a federal undertaking in 2021, the 1972 office tower building (1015 W. Sunset Boulevard) was assigned Status Code 2S2, individually determined eligible for National Register through Section 106 process; listed in the California Register.[21] The MWD

[17] "Angelino Heights Historic Preservation Overlay Zone," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/preservation-design/overlays/angelino-heights.

[18] "Silver Lake – Echo Park – Elysian Valley Report - Individual Resources – 05/13/14," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/odocument/a080fbe5-33f7-4135-bade-1e38fe55dc78/Silver_Lake_-_Echo_Park_-_Elysian_Valley_Individual_Resources_needs_spacing.pdf, p. 15-16.

[19] "Historic-Cultural Monument (HCM) List," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/odocument/24f6fce7-f73d-4bca-87bc-c77ed3fc5d4f/Historical_Cultural_Monuments_List.pdf, p. 77.

[20] "Central City North – Historic Districts, Planning Districts, and Multi-Property Resources - 09/04/16," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/odocument/6668f9e5-2274-4e17-8d5a-6a84c0774759/CentralCityNorth_HistoricDistricts.pdf, p. 76-79.

[21] "Built Environment Resources Directory, Los Angeles County," California Office of Historic Preservation, accessed May 23, 2023, https://ohp.parks.ca.gov/pages/1068/files/Los%20Angeles.csv.

Complex is located south of the Project site, behind properties fronting on the west side of N. Everett Street (see "3" in Figure 2).

4. Sunset Streetcar Mixed-Use Historic District

The Sunset Streetcar Mixed-Use Historic District was identified by SurveyLA in 2014 and consists of four contributing properties addressed as 1282-1298 W. Sunset Boulevard. The potential district includes commercial and residential buildings from the 1920s, reflecting a vernacular style with brick cladding, flat roofs, and constructed to the property lines.[22] The Status Codes associated with the potential district are 3CS, appears eligible for California Register individually through survey evaluation, and 5S3, appears to be individually eligible for local listing or designation through survey evaluation. One property within the potential district, the Lento Brick Court (1288 W. Sunset Boulevard) is individually designated as HCM #986.[23] The district is located northwest of the Project site, on the west side of W. Sunset Boulevard (see "4" in Figure 2).

5. Sunset-East Kensington Public Stairways

The Sunset-East Kensington Public Stairways are two staircases located in Angelino Heights neighborhood and were constructed in 1910. The stairs were identified by SurveyLA in 2014 as a unique feature to hillside residential development of the Echo Park area. One set of stairs is located between 1302 Sunset Boulevard and 804 Kensington Street and the other site is located between 1270 Sunset Boulevard and East Kensington Street.[24] The Status Code associated with the resources is 5S3, appears to be individually eligible for local listing or designation through survey evaluation. The staircases are located northwest of the Project site, on the west side of W. Sunset Boulevard (see "5" in Figure 2).

[22] "Silver Lake – Echo Park – Elysian Valley Report – Historic Districts, Planning Districts and Multi-Property Resources – 05/09/14," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/odocument/45b96942-47c4-4349-84db-3c313a25e8f9/Silver%20Lake%20-%20Echo%20Park%20-%20Elysian%20Valley%20Districts.pdf, p. 86-88.

[23] "Historic-Cultural Monument (HCM) List," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/odocument/24f6fce7-f73d-4bca-87bc-c77ed3fc5d4f/Historical_Cultural_Monuments_List.pdf, p. 70.

[24] "Silver Lake – Echo Park – Elysian Valley Report - Non-Parcel Resources – 05/13/14," City of Los Angeles, accessed May 23, 2023, https://planning.lacity.org/odocument/0970c260-af33-4e8d-a87e-1546074b07d8/Silver_Lake_-_Echo_Park_-_Elysian_Valley_Non-Parcel_Resources.pdf, p. 34-35.

4. PROJECT IMPACTS

4.1 Thresholds for Impacts on Historical Resources

The State CEQA Guidelines set the standard for determining the significance of impacts to historical resources in Title 14 California Code of Regulations Section 15064.5(b), which states:

> A project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.

Title 14 California Code of Regulations Section 15064.5(b)(1) further clarifies "substantial adverse change" as follows:

> Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.

Title 14 California Code of Regulations Section 15064.5(b)(2) in turn explains that a historical resource is "materially impaired" when a project:

(A) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or

(B) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

(C) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA.

As such, the test for determining whether or not a proposed project will have a significant impact on an identified historical resource is whether or not the project will alter in an adverse manner the physical characteristics of the historical resource that justify its inclusion in a historic resource register or survey, such that it would no longer be eligible for listing.

4.2 Project Description

The proposed Project would replace a 107,100 square-foot vacant site with two, seven-story mixed-use buildings for residential and commercial use. The buildings would provide a total of 327 dwelling units, 9,462 square feet of commercial space along the ground floor, and 263 on-site, covered parking spaces (see **Attachment C** for Concept Design Plans). The primary exterior finish material proposed for the buildings is smooth stucco in a light, soft color, with fiber cement panels in a light color proposed for the ground level units and upper level amenity spaces (see **Figure 3**). Additional accent materials proposed for the exterior include fiber cement panels in a light color with integrated LED linear lighting at stairs and elevators, and solid and perforated metal panels in a light color at exterior stairwells. Light color powder coated metal is proposed for balconies and opaque finish glass is proposed for balcony privacy screens. A light color concrete finish is proposed for stoops and planters at the ground level.

Figure 3: Rendering of proposed project, view facing northeast from the corner of W. Sunset Boulevard and N. Everett Street. Source: KTGY Architecture + Planning. May 2023.

4.3 Analysis of Project Impacts

Under CEQA, a Project may cause a substantial adverse change in the significance of a historical resource through the physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings, such that the significance of the resource is materially impaired. The proposed Project includes the construction of two mixed-use, residential and commercial buildings across 11 vacant parcels. The proposed Project would not physically impact any of the historical resources identified in the vicinity of the Project site, because construction of the

proposed new buildings would not result in the demolition, destruction, relocation, or alteration of any of the resources' respective physical features.

The Project site is not immediately adjacent to any of the historical resources in the vicinity (i.e., the resources are not located on abutting parcels or directly across a street or alley), so the proposed new buildings would not represent an alteration to the "immediate surroundings" of the resources. The proposed new construction would introduce a new visual feature in the broader setting of the identified historical resources. Due to the physical and visual separation between the Project site and the historical resources in the vicinity, the setting of these resources would not be altered to the point that they would no longer be eligible for listing in the National, California, or local registers, as applicable. The five previously identified historical resources in the vicinity are separated from the Project site as follows:

1. **Angelino Heights HPOZ**
   The Angelino Heights HPOZ does not front W. Sunset Boulevard. It is physically separated from the Project site by the multi-lane thoroughfare and a row of buildings fronting on the west side of the street.

2. **HCM #1110, Restovich House, 1001 N. Everett Street**
   The Restovich House at 1001 N. Everett Street is located uphill from and northeast of the Project site. The primary elevation of this resource faces away from the Project site to the east, and there are two adjacent parcels with existing buildings that create further visual separation.

3. **Metropolitan Water District Complex**
   The Metropolitan Water District Complex is located south of the Project site, separated by two streets, Everett Street and White Knoll Drive, and existing buildings.

4. **Sunset Streetcar Mixed-Use Historic District**
   The Sunset Streetcar Mixed-Use Historic District is located northwest of the Project site where the W. Sunset Boulevard alignment begins to bend westward. This bend in W. Sunset Boulevard, as well as the distance between the district and the Project site, diminishes the view corridor to the proposed new buildings.

5. **Sunset-East Kensington Stairways**
   The Sunset-East Kensington Stairways are located northwest of the Project site where the W. Sunset Boulevard alignment begins to bend westward. This bend in W. Sunset Boulevard, as well as the distance between these resources and the Project site, diminishes the view corridor to the proposed new buildings.

Overall, the proposed new construction would not diminish the integrity of setting of the identified historic resources in the vicinity of the Project site due to the physical and visual separation of the Project site from the identified resources. Furthermore, the urban context in a densely developed area such as Echo Park is expected to change and indeed has changed over time since the respective periods of significance associated with each of the resources. Therefore, the proposed construction on the Project site would not materially impair the physical characteristics of the identified historic resources and not result in a substantial adverse change in their significance. The proposed Project would not result in a significant impact to historical resources.

4.4 Mitigation Measures

As the proposed Project would not result in a significant impact to historical resources, no mitigation or avoidance measures are required or recommended.

5. CONCLUSIONS

The proposed new construction of two mixed-use buildings on the Project site would have no direct impact on historical resources as the Project site is currently vacant. Additionally, the proposed new construction on the Project site would also have no indirect impact on the previously identified historical resources in the vicinity of the Project site. Although a new visual element would be introduced within their broader setting, it would not result in a substantial adverse change in their significance due to physical and visual separation of the Project site from the historical resources.

Therefore, the proposed Project would not cause a significant impact on any identified historical resources in a manner that would materially impair the characteristics that qualify them as a historical resource. As there would be no significant impacts, no mitigation or avoidance measures are required or recommended.

6. REFERENCES

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Appendix A – Résumés

JENNA KACHOUR

Jenna Kachour is a Senior Associate Architectural Historian/ Preservation Planner at GPA. She has 15 years of diversified planning experience in the private, public, and non-profit sectors. She has been dedicated to the field of historic preservation since 2010. Trained as a planner, Ms. Kachour's work at GPA is informed by her understanding of preservation's role within the larger context of land use and decision making. Since joining GPA in 2013, she has skillfully supervised the preparation of environmental compliance documents in accordance with the California Environmental Quality Act, National Environmental Policy Act, and Section 106 of the National Historic Preservation Act for projects throughout California. Her involvement in several large-scale transportation corridor projects has entailed the management of historical resource surveys through multiple cities in Los Angeles County. Jenna is also experienced in preparing applications for Mills Act Historic Property Contracts as well as inspecting properties with existing contracts.

Educational Background:

- Master of Planning, University of Southern California, 2007
- Graduate Certificate, Historic Preservation, University of Southern California, 2007
- B.S., Public Policy, Management and Planning, University of Southern California, 2007

Professional Experience:

- GPA Consulting, Senior Associate Architectural Historian/ Preservation Planner, 2013-Present
- Pasadena Heritage, Preservation Director, 2010-2013
- Deborah Murphy Urban Design + Planning, Planner, 2009-2010
- Brown/Meshul, Inc. Land Use Consultants, Assistant Project Manager, 2006-2009

Qualifications:

- Meets the Secretary of the Interior's Professional Qualifications Standards for history and architectural history pursuant to the Code of Federal Regulations, 36 CFR Part 61, Appendix A.

Selected Projects:

- 1336-1400 Gordon Street, Los Angeles, CEQA Historical Resource Evaluation Report, 2016
- 1442-52 Tamarind Avenue, Los Angeles, CEQA Historical Resource Evaluation Report, 2016
- 1500 W. Adams Boulevard, Los Angeles, CEQA Historical Resource Technical Report, 2022-2023
- 250 E. Union Street, Pasadena, CEQA Historical Resource Technical Report, 2018
- 3008 Wilshire Boulevard, Los Angeles, CEQA Historical Resource Evaluation Report, 2022-2023
- 325 S. Boyle Avenue, Los Angeles, CEQA Historical Resource Technical Report, 2022-2023
- 949 S. Hope Street, Los Angeles, CEQA Historical Resource Technical Report, 2017
- Figueroa & Flower, Los Angeles, CEQA Historical Resource Technical Report, 2018
- High Speed Rail, Burbank to Los Angeles Project Section, CEQA/NEPA Historical Resource Technical Report, 2016-2018
- Los Angeles Union Station Five New Capital Projects, Secretary of the Interior's Standards Compliance Memo, 2020-2021
- Mariposa Condominiums, El Segundo, CEQA Historical Resource Evaluation Report, 2021
- North Hollywood Southern Pacific Railroad Depot, Secretary of the Interior's Standards Compliance Memo, 2021
- North Hollywood to Pasadena Bus Rapid Transit Corridor Project, CEQA Historical Resource Technical Report, 2019-2021
- Olympic & Figueroa, Los Angeles, CEQA Historical Resource Technical Report, 2017
- Union Street Cycle Track, Pasadena, CEQA/NEPA Historical Resource Technical Report, 2019-2020

EMMA HAGGERTY

Emma Haggerty is an Associate Architectural Historian at GPA and has been involved in the field of historic preservation since 2016. Emma graduated from the University of Vermont with a Master of Science in Historic Preservation. She has since worked in the public sector in both New Jersey and California on a variety of projects. Emma joined GPA in 2021 and her experience has included review of environmental compliance documents in accordance with the California Environmental Quality Act (CEQA) and Section 106 of the National Historic Preservation Act (NHPA); design review for consistency with the Secretary of the Interior's Standards (SOIS); and municipal code compliance. Additionally, Emma has experience reviewing Mills Act Applications, preparing Mills Act Contracts, and performing site inspections for properties under and interested in the Mills Act.

Educational Background:

- Master of Science, University of Vermont, 2018
- B.A., Planning and Public Policy, Rutgers University, 2016

Professional Experience:

- GPA Consulting, Associate Architectural Historian, 2021-Present
- City of San Diego, Historical Resources Senior Planner & Mills Act Coordinator, 2018-2021
- New Jersey Historic Preservation Office, Program Associate, 2018
- National Trust for Historic Preservation – Lyndhurst Mansion, Historic Preservation Intern, 2017

Qualifications:

- Meets the Secretary of the Interior's Professional Qualifications Standards for history and architectural history pursuant to the Code of Federal Regulations, 36 CFR Part 61, Appendix A.
- National Preservation Institute, Section 106: An Introduction

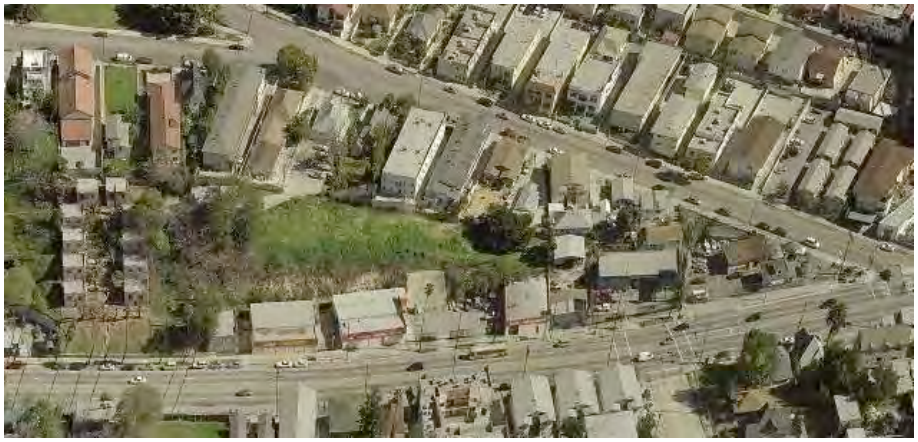
Selected Projects:

- 1102 Pacific Coast Highway, City of Huntington Beach, CEQA Historical Resource Technical Report, 2021
- 2501 Curtis Avenue, Redondo Beach, CEQA Historical Resource Evaluation Report, 2021 –2022
- 3014 4th Street, City of Santa Monica, Local Landmark Assessment, 2022
- 325 Georgina Avenue, City of Santa Monica, Local Landmark Assessment, 2022
- 400-432 S. San Vicente Boulevard, City of Los Angeles, CEQA Historical Resource Evaluation Report, 2022
- 631 Colorado Avenue, City of Santa Monica, Local Landmark Assessment, 2021 –2021.
- 660-664 W. Wilson Avenue, City of Glendale, CEQA Historical Resource Evaluation Report, 2022
- Carnegie Library, City of Yreka, Historic Structures Report and Section 106 Finding of No Adverse Effect Report, 2022
- CEQA Significance Report Evaluations, Planner, City of San Diego, 2018- 2021
- Chula Vista Center, City of Chula Vista, CEQA Historical Resource Evaluation Report, 2021 –2022
- Ole Hanson Beach Club, City of San Clemente, Secretary of Interior's Standards Compliance, 2022
- Sewage Pumping Plant #669, Port of Los Angeles, Historical Resources Technical Memorandum, 2022
- Telfair Multi-Modal Bridge, City of Los Angeles, USACE Cultural Resources Assessment Report, 2022
- Whittier Citrus Association Packing House, Historic Preservation Treatment Plan, 2022

Appendix B – 2014 Historical Resources Evaluation Report

Sunset and Everett
Los Angeles, California

Historic Resource Report



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EXECUTIVE SUMMARY

The purpose of this report was to determine if a project in the Echo Park area of the City of Los Angeles will directly or indirectly impact any historic resources subject to the California Environmental Quality Act (CEQA). The project site is located on the east side of West Sunset Boulevard near the intersection of Everett Street. GPA Consulting (GPA) was retained to identify historic resources on and in the vicinity of the project site. The addresses and assessor's parcel numbers of the project site are:

- 959 Everett Street (APN 5406-016-018)
- 1185 West Sunset Boulevard (APN 5406-016-028)
- 1197 West Sunset Boulevard (APNs 5406-016-003 and 5406-016-006)
- 1205-1207 West Sunset Boulevard (APN 5406-016-007)
- 1211-1215 West Sunset Boulevard (APNs 5406-016-010 and 5406-016-011)
- 1221 West Sunset Boulevard (APN 5406-016-013)
- 1229 West Sunset Boulevard (APN 5406-016-016)
- 1239 Sunset Boulevard (APN 5406-016-019)
- 1243 West Sunset Boulevard (APN 5406-016-021)
- 1245-1247 West Sunset Boulevard (APN 5406-016-023)

The addresses referenced above occupy twelve parcels in the Silver Lake-Echo Park-Elysian Valley Community Plan Area of Los Angeles. There are eleven buildings on the site, none of which are currently designated landmarks at the national, state, or local levels, nor have they been previously identified as historically significant in any historic resources surveys of the area.

Constructed between 1905 and 1975, the subject buildings were evaluated in this report using the National Register of Historic Places (National Register) and California Register of Historical Resources (California Register) criteria, as well as the Los Angeles Historic-Cultural Monument criteria. The primary contexts used to evaluate the buildings were the commercial and residential development of Echo Park.

After careful research and evaluation, this Historic Resource Report concludes that the buildings are not individually eligible for listing in the National or California Registers or as Los Angeles Historic-Cultural Monuments. It also concludes that the buildings are not contributing to a potential historic district at the national, state, or local levels. Therefore 1185-1247 West Sunset Boulevard and 959 Everett Street are not historic resources subject to CEQA. While the project site is near the Angelino Heights Historic Preservation Overlay Zone (HPOZ), the Project has no potential to indirectly impact it, because the project site and HPOZ are visually disconnected. The boundary of the HPOZ does not extend to Sunset Boulevard, so there are no contributing buildings across the street. As the Project will have no direct or indirect impacts on historic resources, no further study is recommended or required.

1. INTRODUCTION

1.1 Purpose and Qualifications

The purpose of this report is to determine and set forth whether or not a development project (sometimes referred to as the "Project") would impact historic resources. The project site is located in the Echo Park area of the City of Los Angeles and includes the following addresses and Assessor Parcel Numbers:

- 959 Everett Street (APN 5406-016-018)
- 1185 West Sunset Boulevard (APN 5406-016-028)
- 1197 West Sunset Boulevard (APNs 5406-016-003 and 5406-016-006)
- 1205-1207 West Sunset Boulevard (APN 5406-016-007)
- 1211-1215 West Sunset Boulevard (APNs 5406-016-010 and 5406-016-011)
- 1221 West Sunset Boulevard (APN 5406-016-013)
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- 1239 Sunset Boulevard (APN 5406-016-019)
- 1243 West Sunset Boulevard (APN 5406-016-021)
- 1245-1247 West Sunset Boulevard (APN 5406-016-023)

Figure 1: Map of the Project Site. Source: GPA, Base Map Courtesy of Bing Maps.

These properties are situated on the east side of West Sunset Boulevard beginning at Everett Street and extending north. Eleven buildings and one parking lot occupy the project site. As several of the buildings on the project site are over 45 years age, they require evaluation as potential historic resources subject to the California Environmental Quality Act. The proposed mixed-use Project involves the removal of all of the buildings on the project site and the construction of apartment units, commercial retail spaces, and subterranean parking.

Teresa Grimes and Jenna Kachour of GPA Consulting were responsible for the preparation of this report. They both fulfill the qualifications for historic preservation professionals outlined in Title 36 of the Code of Federal Regulations, Part 61. Resumes are available upon request.

1.2 Methodology

In preparing this report, the following tasks were performed:

1. Conducted a field inspection of the project site and surrounding area to determine the study area and to identify potential historic resources. The study area was identified as the project site itself.

2. A records search was conducted by the South Central Coastal Information Center at California State University, Fullerton to determine whether or not any of the buildings on or in the vicinity of the project site are currently listed as landmarks at the national, state, or local levels and whether or not they had been previously evaluated as historic resources. This involved reviewing the California Historical Resources Inventory System (CHRIS), which includes properties listed and determined eligible for listing in the National Register of Historic Places, listed and determined eligible for listing in the California Register of Historical Resources, California Registered Historical Landmarks, Points of Historical Interest, as well as properties that have been evaluated in historic resource surveys and other planning activities. The records search concluded the following:

    A. The project site is located east of the Angelino Heights Historic Preservation Overlay Zone (HPOZ). Often referred to as LA's first suburb, this residential neighborhood possesses a significant concentration of late 19th and early 20th century architecture. (Please refer to Figure 2.)

    B. The project site is located north of the Holy Hill Community Church, which was part of a cultural resources study completed in 2009. (Please refer to Figure 2.) Please note that this property was the headquarters of the Metropolitan Water District from 1961 to 1995. The 2009 study concluded that the property is ineligible for listing in the National Register of Historic Places, but did not evaluate its eligibility for listing in the California Register of Historical Resources.

    C. None of the buildings on the project site are currently listed as historic resources at the national, state, or local levels. Furthermore, they have not been identified as historically significant in any historic resources surveys of the area.

3. Ten buildings on the project site were identified as potential historic resources because they are over 45 years of age. They were photographed during the field

inspection to identify their character-defining features and to evaluate their physical integrity.

4. A Phase I Environmental Site Assessment prepared by AEI Consultants on February 26, 2013 was provided to GPA. It included information from building permits, city directories, and Sanborn maps as well as other sources. GPA conducted additional research at the City of Los Angeles Building and Safety Department. Dates of original construction and subsequent alterations were determined primarily by the building permit records. When building permits were unavailable, other sources such as the Los Angeles County Office of the Assessor records and Sanborn maps were used.

5. Researched the history of the buildings on the project site using the Los Angeles Public Library and on-line resources to determine if they have significance within a historic context. This included a review of historic maps of the area, city directories, historic photographs, books, and articles.

6. Reviewed and analyzed ordinances, statutes, regulations, bulletins, and technical materials relating to federal, state, and local historic preservation designations, and assessment processes and programs.

Figure 2: Historic Resources in the Vicinity of the Project Site. Source: GPA, Base Map Courtesy of Bing Maps.

2. REGULATORY ENVIRONMENT

Generally, a lead agency must consider a property a historic resource under the California Environmental Quality Act (CEQA) if it is eligible for listing in the California Register. The California Register is modeled after the National Register. Furthermore, a property is presumed to be historically significant if it is listed in a local register of historic resources or has been identified as historically significant in a historic resources survey (provided certain criteria and requirements are satisfied) unless a preponderance of evidence demonstrates that the property is not historically or culturally significant.[1] The National and California Register designation programs, as well as the City of Los Angeles Cultural Heritage Ordinance and Historic Preservation Overlay Zone Ordinance, are discussed below.

2.1 National Register of Historic Places

The National Register is "an authoritative guide to be used by federal, state, and local governments, private groups and citizens to identify the nation's cultural resources and to indicate what properties should be considered for protection from destruction or impairment."[2]

Criteria

To be eligible for listing in the National Register, a property must be at least 50 years of age (unless the property is of "exceptional importance") and possess significance in American history and culture, architecture, or archaeology. A property of potential significance must meet one or more of the following four established criteria: [3]

A. Associated with events that have made a significant contribution to the broad patterns of our history; or

B. Associated with the lives of persons significant in our past; or

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Yield, or may be likely to yield, information important in prehistory or history.

Physical Integrity

According to *National Register Bulletin #15*, "to be eligible for listing in the National Register, a property must not only be shown to be significant under National Register criteria, but it also must have integrity." Integrity is defined in *National Register Bulletin #15* as "the ability of a property to convey its significance."[4] Within the concept of integrity, the National Register recognizes the following seven aspects or qualities that in various combinations define integrity: feeling, association, workmanship, location, design, setting, and materials.

[1] Public Resources Code Section 5024.1 and 14 CCR Section 4850.
[2] Title 36 Code of Federal Regulations Part 60.2.
[3] Title 36 Code of Federal Regulations Part 60.4.
[4] *National Register Bulletin #15*, pp. 44-45.

Context

To be eligible for listing in the National Register, a property must also be significant within a historic context. *National Register Bulletin #15* states that the significance of a historic property can be judged only when it is evaluated within its historic context. Historic contexts are "those patterns, themes, or trends in history by which a specific...property or site is understood and its meaning...is made clear."[5] A property must represent an important aspect of the area's history or prehistory and possess the requisite integrity to qualify for the National Register.

2.2 California Register of Historical Resources

In 1992, Governor Wilson signed Assembly Bill 2881 into law establishing the California Register. The California Register is an authoritative guide used by state and local agencies, private groups, and citizens to identify historic resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse impacts.[6]

The California Register consists of properties that are listed automatically as well as those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed in the National Register and those formally Determined Eligible for the National Register;
- State Historical Landmarks from No. 0770 onward; and
- Those California Points of Historical Interest that have been evaluated by the State Office of Historic Preservation (SOHP) and have been recommended to the State Historical Resources Commission for inclusion on the California Register.[7]

The criteria for eligibility of listing in the California Register are based upon National Register criteria, but are identified as 1-4 instead of A-D. To be eligible for listing in the California Register, a property generally must be at least 50 years of age and must possess significance at the local, state, or national level, under one or more of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California, or national history; or
3. It embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important in the prehistory or history of the local area, California, or the nation.

[5] Ibid., p. 7.
[6] Public Resources Code Section 5024.1 (a).
[7] Public Resources Code Section 5024.1 (d).

Historic resources eligible for listing in the California Register may include buildings, sites, structures, objects, and historic districts. Resources less than 50 years of age may be eligible if it can be demonstrated that sufficient time has passed to understand its historical importance. While the enabling legislation for the California Register is less rigorous with regard to the issue of integrity, there is the expectation that properties reflect their appearance during their period of significance.[8]

The California Register may also include properties identified during historic resource surveys. However, the survey must meet all of the following criteria:[9]

1. The survey has been or will be included in the State Historic Resources Inventory;

2. The survey and the survey documentation were prepared in accordance with office [SOHP] procedures and requirements;

3. The resource is evaluated and determined by the office [SOHP] to have a significance rating of Category 1 to 5 on a DPR Form 523; and

4. If the survey is five or more years old at the time of its nomination for inclusion in the California Register, the survey is updated to identify historical resources which have become eligible or ineligible due to changed circumstances or further documentation and those which have been demolished or altered in a manner that substantially diminishes the significance of the resource.

OHP Survey Methodology

The evaluation instructions and classification system proscribed by the SOHP in its *Instructions for Recording Historical Resources* provide a three-digit evaluation code for use in classifying potential historic resources. In 2003, the codes were revised to address the California Register. The first digit indicates the general category of evaluation. The second digit is a letter code to indicate whether the resource is separately eligible (S), eligible as part of a district (D), or both (B). The third digit is a number, which is coded to describe some of the circumstances or conditions of the evaluation. The general evaluation categories are as follows:

1. Listed in the National Register or the California Register.

2. Determined eligible for listing in the National Register or the California Register.

3. Appears eligible for listing in the National Register or the California Register through survey evaluation.

4. Appears eligible for listing in the National Register or the California Register through other evaluation.

5. Recognized as historically significant by local government.

6. Not eligible for listing or designation as specified.

7. Not evaluated or needs re-evaluation.

[8] Public Resources Code Section 4852.
[9] Public Resources Code Section 5024.1.

2.3 City of Los Angeles Cultural Heritage Ordinance

The Los Angeles City Council adopted the Cultural Heritage Ordinance in 1962 and amended it in 2007 (Sections 22.171 et. seq. of the Administrative Code). The Ordinance created a Cultural Heritage Commission and criteria for designating Historic-Cultural Monuments. The Commission is comprised of five citizens, appointed by the Mayor, who have exhibited knowledge of Los Angeles history, culture and architecture. Administrative Code Section 22.171.7 states that:

> For purposes of this article, a Historic-Cultural Monument is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, State or community is reflected or exemplified; or which is identified with historic personages or with important events in the main currents of national, State or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.

Unlike the National and California Registers, the Ordinance makes no mention of concepts such as physical integrity or period of significance. Moreover, properties do not have to reach a minimum age requirement, such as 50 years, to be designated as Historic-Cultural Monuments.

2.4 City of Los Angeles Historic Preservation Overlay Zones

Recognizing the need to identify and protect neighborhoods with distinct architectural and cultural resources, the City has developed an expansive program of Historic Preservation Overlay Zones (HPOZs). HPOZs, commonly known as historic districts, provide for review of proposed exterior alterations and additions to historic properties within designated districts.

The City Council adopted the ordinance enabling the creation of HPOZs in 1979; Angelino Heights became Los Angeles' first HPOZ in 1983. The Ordinance was updated in 2004.[10] Today, the City of Los Angeles has 22 designated HPOZs, with many more under consideration. HPOZ areas range in size from neighborhoods of approximately 50 parcels to more than 3,000 properties. While most districts are primarily residential, many have a mix of single-family and multi-family housing, and some include commercial and industrial properties. HPOZs are established and administered by the Los Angeles City Planning Department (in concert with the City Council). Individual buildings in an HPOZ need not be of landmark quality on their own: it is the collection of a cohesive, unique, and intact collection of historical resources that qualifies a neighborhood for HPOZ status.

[10] Los Angeles Municipal Code Section 12,20.3.

3. ENVIRONMENTAL SETTING

3.1 History and Description of the Project Site

The project site is located in the Echo Park area of the City of Los Angeles. It is situated between West Sunset Boulevard and Everett Street on the west and east sides, respectively. The site includes twelve assessor's parcels in total, with eleven fronting on Sunset Boulevard and one fronting on Everett Street. Sunset Boulevard is a wide commercial thoroughfare planted with Washingtonia robusta palms. The boulevard is lined with primarily one and two-story commercial and multi-family residential properties, including apartments and bungalow courts. Everett Street is a wide residential street sporadically planted with various species of trees. The street is lined with one- to two-story single-family, duplex, and bungalow court residences and two-story apartment buildings.

Echo Park was initially developed by real estate developer Thomas Kelley and other investors. They purchased 70 acres of land, including what is now Echo Park Lake, and named it the Montana Tract.[11] The first lots were put up for sale in 1887. The availability of public transportation made the area easily accessible from downtown Los Angeles and encouraged residential development. In 1886, the Ostrich Farm Railway (later to become Sunset Boulevard) was laid out. It ran through the middle of what became the Washington Heights Tract, created the next year in 1887. Two other tracts making up what is now Echo Park are the Echo Park Tract, subdivided in 1903, and the Lake Side Tract, also subdivided in 1903.[12]

The community of Echo Park thrived due to the oil industry in the late 19th century. In 1892, a major oil field was discovered south of what is now Temple Street in the southernmost portion of the CPA.[13] Ties to the early film industry also encouraged development. The Edendale area of Echo Park became home to a number of early film studios, which were established along Glendale Boulevard in the 1910s. Early studios included Disney (HCM #163), Talmadge (later ABC), and Mack Sennett's Keystone Studios (HCM #256), which produced the comedy "Keystone Cops." The area was also utilized frequently for filming on location; for example, the Laurel and Hardy film "The Music Box" was filmed on a public stairway in the area.[14]

Development continued in the first decade of the 20th century with the subdivision of tracts such as Sunset Boulevard Heights, northeast of what is now Sunset Boulevard and Echo Park Avenue. The area began to develop in earnest in the 1920s, a period when the city at large experienced a development boom. Due to the hillside terrain of its neighborhoods, the area is home to numerous public stairways, which were first constructed of wood in the 1890s and later replaced with concrete stairs.[15] The presence of the Pacific Electric Red Car line along Sunset Boulevard encouraged commercial development along the street in the 1910s and 1920s. One example of a commercial resource from this period is Jensen's Recreation Center (HCM #652). The rooftop sign depicts a man bowling a strike, a reminder of the bowling alley that once operated in the basement.

[11] Echo Park Historical Society, "The Presence of the Past," Historic Echo Park – Historic Overview, http://historicechopark.org/id37.html (accessed December 3, 2013).
[12] Jones and Stokes, "Echo Park Historic Preservation Overlay Zone Historic Resources Survey," December 2007, 19.
[13] Echo Park Historical Society, "The Presence of the Past," http://historicechopark.org/id37.html (accessed December 3, 2013).
[14] "About the Silver Lake Community, Los Angeles, California," Welcome to Silver Lake, http://www.silverlake.org/about_silverlake/aboutSL_frmset.htm (accessed December 3, 2013); Echo Park Historical Society, "Edendale: Where 'Hollywood' Began," http://historicechopark.org/id9.html (accessed December 3, 2013).
[15] Jones and Stokes, 28.

The irregular topography generally made the area unsuitable for large-scale institutional development. The two notable exceptions to this rule are the Angelus Temple and Queen of Angels Hospital. The Angelus Temple is located north of Echo Park and is the home of the International Church of the Foursquare Gospel. The church was founded by evangelist Aimee Semple McPherson and opened in 1923. It had a capacity of 5,300.[16] McPherson was a renowned evangelist and was famous for her theatrical sermons; the Church of the Foursquare Gospel was incredibly popular and remains in existence to this day. The Queen of Angels Hospital is located north of the present-day Hollywood Freeway was founded by the Franciscan Sisters of the Sacred Heart in 1925. The sisters raised the money to build the hospital and it quickly grew to be one of the largest hospitals in the region. The building was completed in 1927 and expanded in 1933 and 1937. It is now the home of a Christian ministry called The Dream Center.

Echo Park Lake began as a reservoir that captured run-off water from the Los Angeles River. It was known as Reservoir #4 and was created in 1870 as part of the original water system for Los Angeles. Thomas Kelley and other investors purchased the reservoir and surrounding land, but after years of legal battles to claim water rights to the reservoir, they eventually donated the land around the reservoir to the city for use as a park.[17] One of the city's earliest municipal parks, Echo Park's first phase of development occurred between 1892 and 1895 (Echo Park is HCM #836). It was later expanded south to Temple Street with open space, and tennis and croquet courts. The Echo Park Recreation Center (now the Bellevue Recreation Center) was constructed in 1925 and designed by Allied Architects; a library was built three years later (demolished in 1974). A new boathouse was constructed in 1932 to replace an earlier one. Much of the southern portion of the park was affected when the Hollywood Freeway was constructed through the area in the latter half of the 1940s; the freeway eliminated many of the amenities that once existed there, including a fountain, sports field, and walking paths.[18]

The Echo Park neighborhood became a haven for intellectuals and radicals beginning in the late 1920s. Numerous politicians and journalists, both mainstream and radical, lived in Echo Park because of its proximity to downtown Los Angeles. Prominent individuals who resided in the area included the author, editor, and lawyer Carey McWilliams and newspaper columnist and Los Angeles City Council member Estelle Lawton Lindsey. Phillip Dike and Paul Landacre were two of many artists who lived in Echo Park. Dike was a distinguished water colorist as well as an artist at Walt Disney Studios. Landacre was one of the most important printmakers of the modern era. His fascination with printmaking developed in the late 1920s when he met the bookshop and gallery owner Jake Zeitlin, who also lived in the neighborhood. Landacre's house was designated HCM #839 in 2006.

With the majority of the neighborhood developed during the first half of the 20th century, the post-World War II development was limited to infill construction. During this period, however, the neighborhood became increasing diverse culturally and ethnically. The neighborhood is now predominately Latino but also includes a prominent Asian population.

The history and description of the buildings on the project site follows:

[16] "Foursquare History," Angelus Temple, http://www.angelustemple.org/new-here/history/ (accessed December 8, 2013); Amy Dawes, *Sunset Boulevard: Cruising the Heart of Los Angeles* (Los Angeles, CA: Los Angeles Times Books, 2002), 38.
[17] City of Los Angeles Planning Department, "Echo Park Community Design Overlay District: A Part of the General Plan, City of Los Angeles," 2009, 23.
[18] Echo Park Historical Society, "The Historic Heart of Echo Park," Echo Park Lake, http://historicechopark.org/id99.html (accessed December 3, 2013).

959 Everett Street (APN 5406-016-018)

Figure 3: East façade of 959 Everett Street. Source: GPA.

Built in 1906 by John P. Ensch, 959 Everett Street is a one-story single-family residence in the vernacular hipped cottage style. Mr. Ensch, a baker, owned the property from at least 1909 to 1928, after which his widow, Mary Ensch, owned the property until 1942. The residence faces east on to Everett Street and is raised several feet from street level on a stuccoed cripple wall. It is also set back moderately from the street. The residence has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. It is clad with wood clapboard siding. The moderately pitched hipped roof is clad in rolled asphalt and has moderately overhanging boxed eaves. A wood staircase leads to the main entrance on the primary (east) façade. The off-centered projecting front porch is partial-width and is sheltered by a front-gabled roof. The porch has been enclosed with a low wall, screened window openings, and a metal-famed screen door. The main entry door is obscured from view by the porch enclosure. Windows consist of double-hung metal sash with simple wood surrounds. The raised front yard was once supported by a retaining wall that is now deteriorated, and includes a curved concrete driveway and small planted area along the street frontage with concrete steps leading from the sidewalk. Alterations include the replacement of the original wood windows with metal sash and the enclosure of the front porch.

1185 West Sunset Boulevard (APN 5406-016-028)

Built in 1960 by the Richfield Oil Company as a service station, 1185 West Sunset Boulevard is currently used as an automobile repair shop and car wash. The property is triangular in shape and is bounded by Sunset Boulevard on the west and Everett Street on the east. The one-story building has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. It is clad with stucco and stone veneer. The flat roof is covered in corrugated metal and has moderately overhanging eaves. The entrance to the auto shop office is located towards the south end of the west-facing façade and consists of a fully glazed wood frame door. The office portion of the building also has large metal sash storefront windows covered with metal security screens on the west and south facades. An entrance to the auto repair area is located towards the center of the west façade and consists of a partially glazed wood frame door with a metal security screen. The repair area also has window openings covered with metal

security screens on the west façade and two vehicular entries with roll-down doors on the north façade. Windows on the rear (east) façade consist of jalousie ribbon windows. A chain-link fence surrounds the property. Alterations include the addition of metal security screens.

Figure 4: South and west façades of 1185 West Sunset Boulevard. Source: GPA.

Additional structures on the property include a canopy comprised of a flat metal roof supported by metal pylons located along the Sunset Boulevard frontage, a metal-framed tent used as a customer waiting area south of the auto repair building, and a pylon sign located at the southernmost corner of the property. It is likely that gasoline pumps were originally located between the central pylons.

The property was operated by Richfield Oil until approximately 1970, after which it was operated by Arco, and then by a series of auto repair, car wash, and used car sales businesses.

1197 West Sunset Boulevard (APNs 5406-016-003 and 5406-016-006)

Figure 5: West façade of 1197 West Sunset Boulevard. Source: GPA.

Built in 1975 by the current owner, Steve Wintner, 1197 West Sunset Boulevard is a one-story warehouse building spanning two parcels (APNs 5406-016-003 and 5406-016-006). The building faces west on to Sunset Boulevard and is set back towards the rear of the property. The

warehouse has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. The exterior is clad with stucco and is covered by a flat roof covered with rolled asphalt. The main entrance consists of a wood slab door roughly centered on the primary (west) façade and a vehicular entry with a sliding door. Additional fenestration consists of two identical window openings at the north and south ends of the west façade, with the northerly opening boarded up and a metal sash fixed window in the southerly opening. A billboard sign supported by two metal pylons is located at the southwest corner of the property. An asphalt paved parking area is located in front of the building and a wrought iron fence surrounds the property. Alterations appear to be limited to the boarded window opening.

1205-1207 West Sunset Boulevard (APN 5406-016-007)

Figure 6: West and south façades of 1205-1207 West Sunset Boulevard. Source: GPA.

Built in 1922 by C. D. Barnett, 1205-1207 West Sunset Boulevard includes a commercial building with a residential duplex behind. The commercial building faces west on to Sunset Boulevard and is set at the front property line. It has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. The exterior is clad with stucco with stone veneer at the base of the primary (west) façade. The low-pitched front-gabled roof is clad in rolled asphalt and has a flat parapet on the west façade. The main entrances to the building's two commercial units are centered on the west façade and consist of two wood slab doors with metal security screens. There are two identical windows at the north and south ends of the west façade which are covered by metal security screens. A billboard sign supported by two metal pylons is located flush against the west end of the south façade. Alterations include changes to the parapet form, replaced windows and doors, the application of stone veneer, and the installation of metal security screens.

A concrete walkway runs along the east end of the commercial building and leads to the residential duplex at the rear of the parcel. The two-story duplex faces west towards the rear façade of the commercial building. It has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. The exterior is clad in stucco. The moderately pitched front-gabled roof is clad in rolled asphalt and has moderately overhanging eaves. A wood staircase leads to two balconies on the second story. The balconies are supported by wood posts and are enclosed by low walls. The entrance to the southerly unit is accessed from the balcony and consists of a glazed wood door with divided lights. The northerly balcony has been enclosed with stucco walls, therefore the the entry door type could not be determined from the

public right-of-way. A secondary entrance is located on the ground level of the south façade and consists of a glazed wood door with divided lights. Windows consist of a combination of wood sash double-hung and fixed windows and metal sash sliding and fixed windows. Ground floor windows on the south façade are covered with metal security screens. Alterations include the application of stucco over the original exterior material, the enclosure of the second story balcony, the replacement of some windows, the installation of contemporary exterior light fixtures, and the addition of metal security screens to some windows.

Businesses previously operated in the commercial building include a series of grocerers from at least 1923 to 1942, followed by Calae Co. custom engraving (at least 1956), Time-O-Matic Inc. sign company (at least 1961-1969), and a sewing contractor (at least 1987). Long-time residents of the duplex include Ulysses S. and Lottie M. Grant (at least 1936-1960) and James H. Clisby (at least 1962-1967).

1211 West Sunset Boulevard (APN 5406-016-010)

Figure 7: West and north façades of 1211 West Sunset Boulevard. Source: GPA.

Constructed in 1926 by C. D. Barnett as a public garage and later converted into a store by the American Linen Exchange Co. in 1934, 1211 West Sunset Boulevard was most recently used as part of the Reliable Do-It Center hardware store complex. The one-story commercial building faces west towards Sunset Boulevard and is set at the front property line. It is constructed of brick, has a rectangular-shaped plan, and a concrete foundation. The exterior is clad in textured stucco. The barrel-shaped roof is covered in rolled asphalt and has a flat parapet constructed of sheet metal. The main entrance is located at the south end of the primary (west) façade and consists of a single door with a metal security screen. It is set within a former storefront opening which has been enclosed. A vehicular entry door is located at the north end of the west façade, with an identical door at the center of the north façade. Alterations include the enclosed storefront, the additions of the sheet metal parapet, the application of textured stucco, and addition of the metal security screen.

Prior uses of the building include auto repair (at least 1929-1932), Fruit Product Ltd. (1938), and Rollaway Screen Co. (1942). Bodoni Limited Printing operated in the building from at least 1956 to 1969. In 1956, the Mutilatini Foundation was also indicated at this address.

1215-1221 West Sunset Boulevard (APNs 5406-016-011 and 5406-016-013)

1215-1221 West Sunset Boulevard consists of an asphalt paved parking area spanning two parcels (APNs 5406-016-011and 5406-016-013). The parking area was most recently used as part of the Reliable Do-It Center hardware store complex. The parking area is secured by a wrought iron fence along the street frontage, and provides access to the former hardware store buildings located on the adjacent parcels to the north and south. There are no building permit (1905 to present), Sanborn map (1906-1970), or city directory records (1909 -1987) indicating that there has ever been a structure on this property.

1229 West Sunset Boulevard (APN 5406-016-016)

Figure 8: West and south façades of 1229 West Sunset Boulevard. Source: GPA.

Constructed in 1944 as a gas station and later converted into a store in 1946, 1229 West Sunset Boulevard is now a one-story commercial building. The building was enlarged three times between 1950 and 1970. The building was most recently used as part of the Reliable Do-It Center hardware store complex. It faces south towards a parking area on the adjacent parcels and is set at the front property line along Sunset Boulevard. It has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. It is clad with textured stucco. The flat roof is covered with rolled asphalt and has a flat parapet constructed of sheet metal. The main entrance is roughly centered on the primary (south) façade and consists of fully glazed metal double doors surrounded by fixed metal sash storefront windows. A secondary entrance is located towards the south end of the west façade and consists of a wood slab door. The west façade also includes three former storefront openings which have been enclosed. A vehicular entry with roll-up door is located on the north façade. Alterations include the 1950 and 1970 additions, the addition of the main entry door and storefront windows on the south façade, the enclosure of the storefronts on the west façade, the addition of the sheet metal parapet, and the application of textured stucco.

Prior uses of the building include Mueller Brothers Neon Co. from at least 1956 to 1960 and Reliable Sash and Door Co. from at least 1961 to 1987.

1239 West Sunset Boulevard (APN 5406-016-019)

Figure 9: West and south façades of 1239 West Sunset Boulevard. Source: GPA.

Constructed in 1922 by Daniel C. Messinger for Agnes Kane, 1239 West Sunset Boulevard is a one-story commercial building. It was altered at least eight times between 1930 and 1967. It was most recently used as part of the Reliable Do-It Center hardware store complex. The building faces west towards Sunset Boulevard and is set at the front property line. It has a wood frame structural system, a rectangular-shaped plan, and a concrete foundation. It is clad with textured stucco. The flat roof is covered with rolled asphalt and has a flat parapet constructed of sheet metal. The main entrance is located towards the north end of the primary (west) façade and consists of a wood slab door with transom window. The west façade also includes six former storefront openings which have been enclosed. A vehicular entry with roll-up door is located on the north and south façades. Alterations include the enclosure of the storefronts, the addition of the sheet metal parapet, and the application of textured stucco.

Prior uses of the building include a variety of furniture, cabinetry, and grocery related businesses from at least 1923 to 1942, and Merit Signs Inc. from at least 1963 to 1969.

1243 West Sunset Boulevard (APN 5406-016-021)

Constructed in 1932, 1243 West Sunset Boulevard is a one-story commercial building. The building faces west toward Sunset Boulevard and is set at the front property line. It has a wood frame structural system, a rectangular-shaped in plan, and a concrete foundation. It is clad with textured stucco. The flat roof is covered with rolled asphalt and has a flat parapet. Two concrete steps lead from the sidewalk to the main entrance, which is located toward the north end of the primary (west) façade and consists of paneled wood double doors. The west façade also includes two former storefront window openings which have been enclosed. The main entrance, former storefront windows, and front building corners are divided by engaged pilasters. There is a secondary entry on the south façade which consists of a roll-up metal door. Windows on the side and rear facades are wood sash double hung, some with metal security screens. Alterations include the enclosure of the storefront windows, the addition of the metal roll-up door, and the application of textured stucco.

Figure 10: West and south façades of 1243 West Sunset Boulevard. Source: GPA.

Sanborn maps indicate the building was used as a religious building by the Latter Rain Church, and then as a Jewish Temple, from at least 1950 to 1970.

1245-1247 West Sunset Boulevard (APN 5406-016-023)

This steeply sloped, L-shaped parcel contains two single-family dwellings set high above street level towards the rear property line. The southerly dwelling was built sometime before 1907, when owner Valdimir Onz, a tailor who resided at this address until at least 1929, added two rooms to the structure. The northerly dwelling was built in 1922, also by Mr. Onz. The property is terraced back from Sunset Boulevard with retaining walls and has a concrete stairway, consisting of three flights of steps with metal pipe railing, which leads from the sidewalk to the dwellings. Due to the poor condition of the stairway, the residences are currently accessed via a driveway from 959 Everett Street.

The circa 1907 one-story residence at the south end of the parcel (1245 West Sunset Boulevard) faces west towards Sunset Boulevard. It has a wood frame structural system, an irregular-shaped plan, and a concrete foundation. The exterior is clad with stucco. The combination side-gabled, shed, and flat roof is covered with rolled asphalt and has a flat parapet. The primary (west) façade has an off-centered, partial-width projecting porch sheltered by a flat roof supported by wood posts and a low wall. The main entry door, accesed from the porch, is obscured from view by a metal security screen, as is a secondary entry at the south end of the front facade. Windows consist of double-hung wood sash and jalousie. Alterations include the side additions, flat parapet, jalousie windows, and metal security screens.

Figure 11: West façade of 1245 West Sunset Boulevard. Source: GPA.

Figure 12: South façade of 1247 West Sunset Boulevard. Source: GPA.

The 1922 residence at the north end of the parcel (1247 West Sunset Boulevard) is primarily one-story in height with a small two-story rear addition. The building faces south towards the residence at the south end of the parcel. It has a wood frame structural system, an irregular-shaped plan, and a concrete foundation. The exterior is clad with stucco. The flat roof is covered with rolled asphalt and has a scalloped, Mission Revival style parapet on the one-story portion of the building. The primary (south) façade has an off-centered, partial-width projecting porch sheltered by a shed roof supported by wood posts. The main entry door, accessed from the porch, is a simple wood paneled door with a metal security screen. Windows consist of wood casements and metal sash sliders, some with metal security screens. Alterations include a rear addition, metal sash windows, and metal security screens.

4. EVALUATIONS OF ELIGIBILITY

4.1 National Register of Historic Places

959 Everett Street (APN 5406-016-018)

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the residential development of Echo Park. The residence was constructed in 1905 on Everett Street. At this time, the neighborhood was transitioning from undeveloped land to suburben residential development. This change began in the late 1880s and by 1905, there were several single-family residences on the block. As such, the property is not directly associated with the shift in development patterns at the time; it was merely a by-product of the already established transition. 959 Everett Street is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. The only persons closely associated with the property are the original owners, John P. and Mary Ensch. City directories indciate Mr. Ensch's occupation as baker. Their names do not appear in the *California Index* at the Los Angeles Public Library. Mr. and Mrs. Ensch appear in the *Los Angeles Times* with a brief obituary in 1928 and 1942, respectively. Neither article provided the details of their lives. As there is no information suggesting that Mr. and Mrs. Ensch were significant in our past, the property is ineligible for listing in the National Register under Criterion B.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. The building is a typical example of a vernacular hipped cottage, one of the most common house types constructed in Los Angeles at the turn of the 20th century. They were usually constructed by the original owner, based upon traditional notions of convenience and utility. Relatively simple structures, they were built without any conscious attempt to mimic current fashion. Such house types have been considered eligible under Criterion C, but only when they feature special architectural details and when they are unaltered. Such is not the case with the subject residence that possesses only the basic characteristics of the type. Furthermore, the residence has sustained some alterations to the porch and windows that have diminished its architectural significance. Such house types are often situated beside each other or in neighborhoods with examples of other late Victorian era architecture. The surrounding properties on Everett Street, although once populated with several simple, one-story dwellings, has since transitioned to include numerous two-story apartment buildings constructed since the 1960s. As a result, the surrounding area does not retain sufficient integrity to be eligible as a historic district.

An original building permit was not available for this property, therefore the original architect or builder is unknown. However, as mentioned above, it was common for vernacular cottages to have been constructed by their original owners. No information could be found on the original owner, John P. Ensch, that indicated he was a master architect or builder, nor does the residence possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - The area along Everett Street north of Sunset Boulevard has been developed with two-story apartments since the 1960s. Only a small percentage of homes constructed prior to 1905 are extant. Therefore, the overall integrity of setting has been lost. Despite some common alterations for this property type, including replaced windows and the enclosed front porch, the residence retains the majority of its character-defining features. Therefore, the integrity of design, materials, workmanship, feeling, and association are intact. The residence has not been moved, so the integrity of location also remains intact.

Conclusion – The property at 959 Everett Street is ineligible for listing in the National Register for lack of significance.

1185 West Sunset Boulevard (APN 5406-016-028)

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the commercial development of Echo Park. The automobile service station was constructed in 1960 by the Richfield Oil Company, replacing a previous service station that was constructed by Shell Company of California in 1925 and expanded in 1938. By 1960, Sunset Boulevard was well established as a commercial corridor. This commerical development began in the 1910s and 1920s, as a direct result of the Pacific Electric Red Car line along Sunset Boulevard, and continued in the 1930s through 1950s as part of the Route 66 alignment. As such, the property is not directly associated with the commerical development of Echo Park; it was merely a continuation of the already established land use pattern. Moreover, while the original service station on this site may have been associated with the early commercial development on Sunset Boulevard oriented toward the automobile, it was demolished and replaced by the current building in 1960. 1185 Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. Following its construction in 1960, the service station was owned and operated by several different automobile-related businesses and does not have a strong association with any one particular person. A search of the *Los Angeles Times* on-line archive did not yield the names of any individuals associated with these busniesses. As such, the property is ineligible for listing in the National Register under Criterion B because there is no evidence that it is associated with individuals signficant in our past.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. The building is a typical example of a 1960s-era service station. Service stations from this era are common, and this particular example does not display the characteristics of an architectural style. The original building permit for the service station indicates the engineer as H. M. Hansen and the contractor as Nigg Engineering. No information could be found on either entity that indicated they were a master architect or builder, nor does the service station possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - The area along Sunset Boulevard near Everett Street has been developed with just a few new buildings since the construction of the service station in 1960. Therefore, the overall setting of the area has changed very little. As it is still apparent that this property was originally constructed as a service station in the 1960s, it retains its the integrity of association and feeling. Despite some minor alterations, including metal security screens, the service station retains the majority of its character-defining features. Therefore, the integrity of design, materials and workmanship remain intact. The service station has not been moved, so its location also remains intact.

Conclusion – The property at 1185 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance.

1197 West Sunset Boulevard (APNs 5406-016-003 and 5406-016-006)

Constructed in 1975, this warehouse building is less than 45 years of age and therefore was not evaluated.

1205-1207 West Sunset Boulevard (APN 5406-016-007)

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The contexts considered were the commercial and residential development of Echo Park. The commercial building and duplex residence were constructed in 1922 by C. D. Barnett. At this time, Sunset Boulevard was becoming a prominent commercial corridor. This commerical development began in the 1910s and 1920s, as a direct result of the Pacific Electric Red Car line along Sunset Boulevard, and continued in the 1930s through 1950s as part of the Route 66 alignment. The residential development of Echo Park began relatively early in the city's history and is also linked to the history of the streetcar system, which made the area accessible to downtown Los Angeles. Single- and multi-family residential development in the area continued during the 1920s, but was mostly infill construction. As such, the property did not play an important role in the early commerical or residential development of Echo Park. They are some of the many commercial and residential buildings constructed in the area during the 1920s. Furthermore, both buildings have been significantly altered since their construction, and would therefore not be able to convey their significance, if any, from the period of development. 1185 Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. The only person closely associated with the property is the original owner, C. D. Barnett. Mr. Barnett appears in the *Los Angeles Times* on-line archives, with a few mentions on the society pages and brief references to some real estate-related transactions, including land purchased and building permits and liquor licensed issued. None of these articles suggest he had a significant influence on the history of Los Angeles. As there is no information suggesting that Mr. Barnett was significant in our past, the buildings are ineligible for listing in the National Register under Criterion B.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. The commercial building and residential duplex are ordinary examples of their respective types and methods of construction. They do not embody the distinctive characteristics of the period because they have been substantially altered. The original permits for these buildings indicate the owner, C. D. Barnett, as the applicant and does not indicate an architect or builder. No information could be found on C. D. Barnett that indicated he was a master architect or builder, nor does the commercial building or residential duplex possess high artistic values. Therefore, the buildings are ineligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - These buildings no longer retain their integrity due to the substantial alterations. The property retains its integrity of location, but the other aspects of integrity have been lost. The area along Sunset Boulevard near Everett Street has been developed with several buildings since the construction of the commercial building and residential duplex in 1922. Therefore, the overall setting of the area has changed. The buildings have not been moved, so their location remains intact. Alterations, including changes to the parapet form, replaced windows and doors, the application of stone veneer, and the installation of metal security screens on the commercial buildilng; and the enclosed second story balcony, replacement of windows, and the addition of metal security screens and contemporary exterior light fixtures on the residential duplex, have resulted in the loss of majority of the character defining features on these buildings. Therefore, the integrity of design, materials, workmanship, feeling, and association are all compromised.

Conclusion – The property at 1205-1207 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance and integrity.

1211 West Sunset Boulevard (APN 5406-016-010)

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the commercial development of Echo Park. The building was originally constructed in 1926 as a public garage. It was converted into a store in 1934, and into a warehouse in 1990. At the time of the building's original construction, Sunset Boulevard was becoming a prominent commercial corridor. This commerical development began in the 1910s and 1920s, as a direct result of the Pacific Electric Red Car line along Sunset Boulevard, and continued in the 1930s through 1950s as part of the Route 66 alignment. While the building reflects the early commerical development of Sunset Boulevard, it does not appear to represent a substantial contribution to the development of the community. Furthermore, the building has been significantly altered since its construction, and therefore would not be able to convey its significance, if any, from the period of development. 1211 Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. The only person closely associated with the property is the original owner, C. D. Barnett. Mr. Barnett appears in the *Los Angeles Times* on-line archives, with a few mentions on the society

pages and brief references to some real estate-related transactions, including land purchased and building permits and liquor licensed issued. None of these articles suggest he had a significant person in the history of Los Angeles. As there is no information suggesting that Mr. Barnett was significant in our past, the property is ineligible for listing in the National Register under Criterion B.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. The building is not a good example of a type or period, because it no longer reflects its original use as a public garage from the 1920s or its subsequent use as commercial building from the 1930s due to the substantial alterations. It is a common example of a method of construction, a wood frame structure. The original building permit for the property indicates the owner, C. D. Barnett, hired contractor John F. Kuhns to construct the building. Although the *Los Angeles Times* on-line archives indicate Kuhns was the contractor for at least two other projects in Los Angeles, including the Coliseum Hotel on South Figueroa Street and a seven-room duplex on South Stearns Drive, no information could be found that indicated he was a master architect or builder. In addition, the building does not possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - The building no longer retains its integrity due to the substantial alterations. It is no longer apparent that it was originally constructed as a public garage. The property retains its integrity of location, but the other aspects of integrity have been lost. The area along Sunset Boulevard near Everett Street has been developed with several buildings since the construction of the subject building in 1926. Therefore, the overall setting of the area has changed. The building has not been moved, so the integrity of location remains intact. Alterations, including an enclosed storefront, sheet metal parapet, textured stucco, roll-up doors, and metal security screens, have resulted in the loss of majority of the character defining features of the building. Therefore, the design, materials and workmanship are compromised. Therefore, the integrity of design, materials, workmanship, feeling, and association are all compromised.

Conclusion – The property at 1211 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance and integrity.

<u>1215-1221 West Sunset Boulevard (APNs 5406-016-011 and 5406-016-013)</u>

This property is a parking lot with no structures and therefore was not evaluated.

<u>1229 West Sunset Boulevard (APN 5406-016-016)</u>

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the commercial development of Echo Park. The building was originally constructed as a gas station in 1944. It was converted into a store in 1946, and enlarged three times between 1950 and 1970. At the time of the building's original construction, Sunset Boulevard was well established as a commercial corridor. This commerical development began in the 1910s and 1920s, as a direct result of the Pacific Electric Red Car line along Sunset

Boulevard, and continued in the 1930s through 1950s as part of the Route 66 alignment. As such, the property is not directly associated with the commerical development patterns of Echo Park; it was merely a continuation of an already established trend. 1229 Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. Following its construction in 1944, the building was owned and operated by several different light industrial businesses, including Mueller Brothers Neon Company and Reliable Sash and Door Company, and does not have a strong association with any one particular person. A search of the *Los Angeles Times* on-line archives did not yield the names of any individuals associated with these businesses. As such, the property is ineligible for listing in the National Register under Criterion B because there is no evidence that it is associated with individuals signficant in our past.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. 1229 West Sunset Boulevard was originally constructed as a gas station, but is now a commercial building that has suffered a series of alterations. Therefore it does not embody the distinctive characteristics of a type, period, or method of construction. The building's original permit was not found, so it was not possible to determine if it was the work of a master architect or builder. As it appears to have been a common example of a gas station from the 1940s, it is unlikely that it was the work of a master, though it is not possible to determine this for certain. In addition, the building does not possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement – The building no longer retains its integrity due to the substantial alterations. It is no longer apparent that it was originally constructed as a gas station. The property retains its integrity of setting and location, but the other aspects of integrity have been lost. The area along Sunset Boulevard near Everett Street has been developed with several buildings since the construction of the subject building in 1944. However, the overall setting of the property remains relatively unchanged. The building has not been moved, so the integrity of location remains intact. Alterations, including the additions in 1950 and 1970, main entry door and storefront windows added to the south façade, enclosed original storefronts on the west façade, sheet metal parapet, and textured stucco, have resulted in the loss of a majority of the character-defining features of the building. Therefore, the integrity of design, materials, workmanship, feeling, and association are all compromised.

Conclusion – The property at 1229 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance and integrity.

<u>1239 West Sunset Boulevard (APN 5406-016-019)</u>

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the commercial development of Echo Park. The building was originally constructed as a store in 1922. It was later altered at least eight times between 1930 and 1967. At the time of the building's original construction in 1922, Sunset Boulevard was becoming a prominent commercial corridor. This commerical development began in the 1910s and 1920s, as a direct result of the Pacific Electric Red Car line along Sunset Boulevard, and continued in the 1930s through 1950s as part of the Route 66 alignment. While the building reflects the early commerical development of Sunset Boulevard, it does not appear to represent a substantial contribution to the development of the community. Furthermore, the building has been significantly altered since its construction, and therefore would not be able to convey its significance, if any, from the period of development. 1239 Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. Following its construction in 1922, the building was owned and operated by a variety of furniture, cabinetry, and grocery related businesses from at least 1923 to 1942, and Merit Signs Inc. from at least 1963 to 1969, and does not have a strong association with any one particular person. A search of the *Los Angeles Times* on-line archives did not indicate that any of the individuals associated with these businesses were significant in our past. Therefore, the property is ineligible for listing in the National Register under Criterion B.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. The building is not a good example of a type or period because it no longer appears to be a commercial building from the 1920s due to the substantial alterations. It is a common example of a method of construction, a wood frame structure. The original building permit for the property indicates the owner, Agnes Kane, hired architect D. C. Messinger to design the building. Although the *Los Angeles Times* on-line archives indicate Messinger was the architect for at least two other projects in Los Angeles, including a two-story dwelling on Fairfield Avenue and a six-unit apartment at the southeast corner of Hollywood Boulevard and Stanley Avenue, no information could be found that indicated he was a master architect or builder. In addition, the commercial building does not possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - The building no longer retains its integrity due to the substantial alterations. The property retains its integrity of location, but the other aspects of integrity have been lost. The area along Sunset Boulevard near Everett Street has been developed with several buildings since the construction of the subject building in 1922. Therefore, the overall setting of the area has changed. The building has not been moved, so its location remains intact. Alterations, including enclosed storefronts, sheet metal parapet, and textured stucco, have resulted in the loss of a majority of the character-defining features of the building. Therefore, the integrity of design, materials, workmanship, feeling, and association are all compromised.

Conclusion – The property at 1239 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance and integrity.

1243 West Sunset Boulevard (APN 5406-016-021)

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the commercial development of Echo Park. The building was originally constructed in 1932. The original building use is unknown, but Certificates of Occupancy from 1947 and 1948 indicate commercial building and offices, respectively. Then, from at least 1950 to 1970, it was used for religious purposes. At the time of the building's original construction in 1932, Sunset Boulevard was a growing commercial corridor. This commerical development began in the 1910s and 1920s, as a direct result of the Pacific Electric Red Car line along Sunset Boulevard, and continued in the 1930s through 1950s as part of the Route 66 alignment. While the building reflects the early commerical development of Sunset Boulevard, it does not appear to represent a substantial contribution to the development of the community. 1243 Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. Following its construction in 1932, the building was used for commercial and office (at least 1947-1948) purposes before housing a Latter Rain Church (at least 1950) and then a Jewish temple (at least 1953 -1970). A search of the *Los Angeles Times* on-line archives and Los Angeles City and Street Address Directories did not yield any additional information about the former businesses and congregations at this address or a strong association with any one particular person. As there is no information suggesting that individuals involved in these businesses or congregations were significant in our past, the property is ineligible for listing in the National Register under Criterion B.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. While the building is relatively intact, it does not display the distinctive characteristics of a type or period. It is a common example of a method of construction, a wood frame structure. The building's original permit was not found, so it was not possible to determine if it was the work of a master architect or builder. As it appears to have been a common example of a commercial building from the 1930s, it is unlikely that it was the work of a master, though it is not possible to determine this for certain. In addition, the building does not possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - The area along Sunset Boulevard near Everett Street has been developed with several buildings since the construction of the commercial building in 1932. However, the overall setting of the property remains relatively unchanged. Despite some alterations, including enclosed storefront windows, a new metal roll-up door, and textured stucco, the commercial building retains of a majority of its character defining features. Therefore, the integrity design, materials, workmanship, feeling, and association are intact. The building has not been moved, so the integrity of location also remains intact.

Conclusion – The property at 1243 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance.

1245-1247 West Sunset Boulevard (APN 5406-016-023)

Criterion A - The subject property was evaluated for its potential significance as part of a historic trend that made a significant contribution to the broad patterns of our history. The context considered was the residential development of Echo Park. The two residences on this property were constructed in circa 1907 (1245 West Sunset Boulevard) and 1922 (1247 West Sunset Boulevard). At the time 1245 Sunset was constructed, the neighborhood was transitioning from undeveloped land to suburban residential development. This change began in the late 1880s and by 1907, there were several single-family residences in the area. This was all the more so true when 1247 Sunset was constructed in 1922. As such, the property is not directly associated with the shift in development patterns at the time; it was merely a by-product of the already established transition. 1245-1247 West Sunset Boulevard is not associated with any additional contexts relevant for evaluation under this criterion. Therefore, the property does not appear to be eligible for listing in the National Register under Criterion A.

Criterion B - The subject property was evaluated for its potential association with significant persons. Following the construction of the buildings in circa 1907 and 1922, the residences housed a number of tenants who often stayed for just a few years. The persons most closely associated with the property include Vladimir and Alice Onz, earliest known owners of the property, and Reverend Alta McNeil, who resided at the property from at least 1956-1973. City directories indicate Mr. Onz's occupation as tailor. Neither Mr. and Mrs. Onz nor Rev. McNeil appear in the *California Index* at the Los Angeles Public Library. Mr. and Mrs. Onz appear in the *Los Angeles Times* with brief obituaries in 1934 and 1932, respectively. Rev. McNeil is mentioned only in a 1949 obituary for a family member. Neither article provided the details of these individuals' lives. As there is no information suggesting that they were significant in our past, the property is ineligible for listing in the National Register under Criterion B.

Criterion C - The subject property was evaluated for its potential to embody distinctive characteristics of a type, period, or method of construction, or representing the work of a master, and possessing high artistic values. 1245 West Sunset Boulevard is a highly altered example of an early 20th century vernacular cottage. It is not a good example of a type or period because it no long appears to be a residence from the 1900s due to the substantial alterations. It is a common example of a method of construction, a wood frame structure. 1247 West Sunset Boulevard is a simple 1920s-era bungalow designed in no particular style. The bungalow was the most common house type in Los Angeles during the 1910s and 1920s. It is not a good example of the type or period because it does not possess any distinctive features. It is a common example of a method of construction, a wood frame structure. The original permit was not found for 1245 Sunset, so it was not possible to determine if it was the work of a master architect or builder. As it appears to have been a common example of a vernacular cottage from the 1900s, it is unlikely that it was the work of a master, though it is not possible to determine this for certain. The original building permit for 1247 Sunset indicates the owner, Vladimir Onz, as the applicant and does not indicate an architect or builder. No information could be found on Vladimir Onz that indicated he was a master architect or builder, nor do the buildings possess high artistic values. Therefore, this property is not eligible for listing in the National Register under Criterion C.

Criterion D – Crtierion D was not considered in this report, as it generally applies to archeological resources. There is no reason to believe that the building had yielded, or will yield information important to the prehistory or history or the local area, California, or nation.

Integrity Statement - The area along Sunset Boulevard near Everett Street has been developed with several buildings since the construction of these residentces in circa 1907 and 1922. However, the overall setting of the property remains relatively unchanged. Major alterations to 1245 Sunset, including side additions, a flat parapet, jalousie windows, and metal security screens, have compromised the design, materials, workmanship, feeling, and association of this residence. Despite some minor alterations to 1247 Sunset, including a rear addition, metal sash windows, and metal security screens, this residence retains of a majority of its character defining features. Therefore, the design, materials, workmanship, feeling, and association of this residence are intact. Neither buildings have been moved, so the integrity of location also remains intact.

Conclusion – The property at 1245-1247 West Sunset Boulevard is ineligible for listing in the National Register for lack of significance and integrity.

4.2 California Register of Historical Resources

The California Register was modeled on the National Register. The criteria for eligibility of listing in the California Register are virtually the same as the National Register. Therefore, the properties evaluated above are ineligible for listing in the California Register for the same reasons noted above.

4.3 Los Angles Historic-Cultural Monuments

The criteria for eligibility for designated as a Los Angeles Historic-Cultural Monument are similar to the National and California Registers. Therefore, the properties evaluated above are ineligible for designation as Monuments for the same reasons noted above.

5. CONCLUSIONS

The properties located within the project site were evaluated as potential historic resources. Based upon the research and field inspection conducted for this report, GPA concluded that the properties are ineligible for listing at the national, state, or local levels because they are lacking in historical significance, architectural distinction, and/or physical integrity. Additionally, the area on the east side of Sunset Boulevard, north of Everett Street developed over several decades. The properties are not historically or functionally related. For this reason, the area does not constitute a potential historic district, and the subject properties were not evaluated as potential district contributors. The recommended evaluation code is 6Z, ineligible for designation at the national, state, or local levels through survey evaluation. As the properties are not historic resources subject to CEQA, the Project will have no impact on historic resources. No further study is required.

6. SOURCES

AEI Consultants. Phase I Environmental Site Assessment: AEI Project No. 316456. February 26, 2013.

California Code of Regulations, California Office of Administrative Law, State of California Government.

Code of Federal Regulations, Title 36: Parks, Forests, and Public Property. Office of the Federal Register, National Archives and Records Administration, United States Government.

GPA Consulting, Inc., "SurveyLA Historic Resources Survey Report: Silver Lake-Echo Park-Elysian Valley Community Plan Area," March 2014.

Grimes, Teresa. "SurveyLA Historic Context: Late 19th and Early 20th Century Theme." 2010.

Los Angeles Department of Building and Safety: Building permit records (various dates).

Los Angeles Public Library: California Index database; digitized City Street and Address Directories, ProQuest *Los Angeles Times* Historical Archives database.

National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation. National Park Service, Department of the Interior, United States Government, 2002.

National Register Bulletin #16: How to Complete the National Register Registration Form. National Park Service, Department of the Interior, United States Government, 1997.

Sanborn Map Company: 1906-1970.

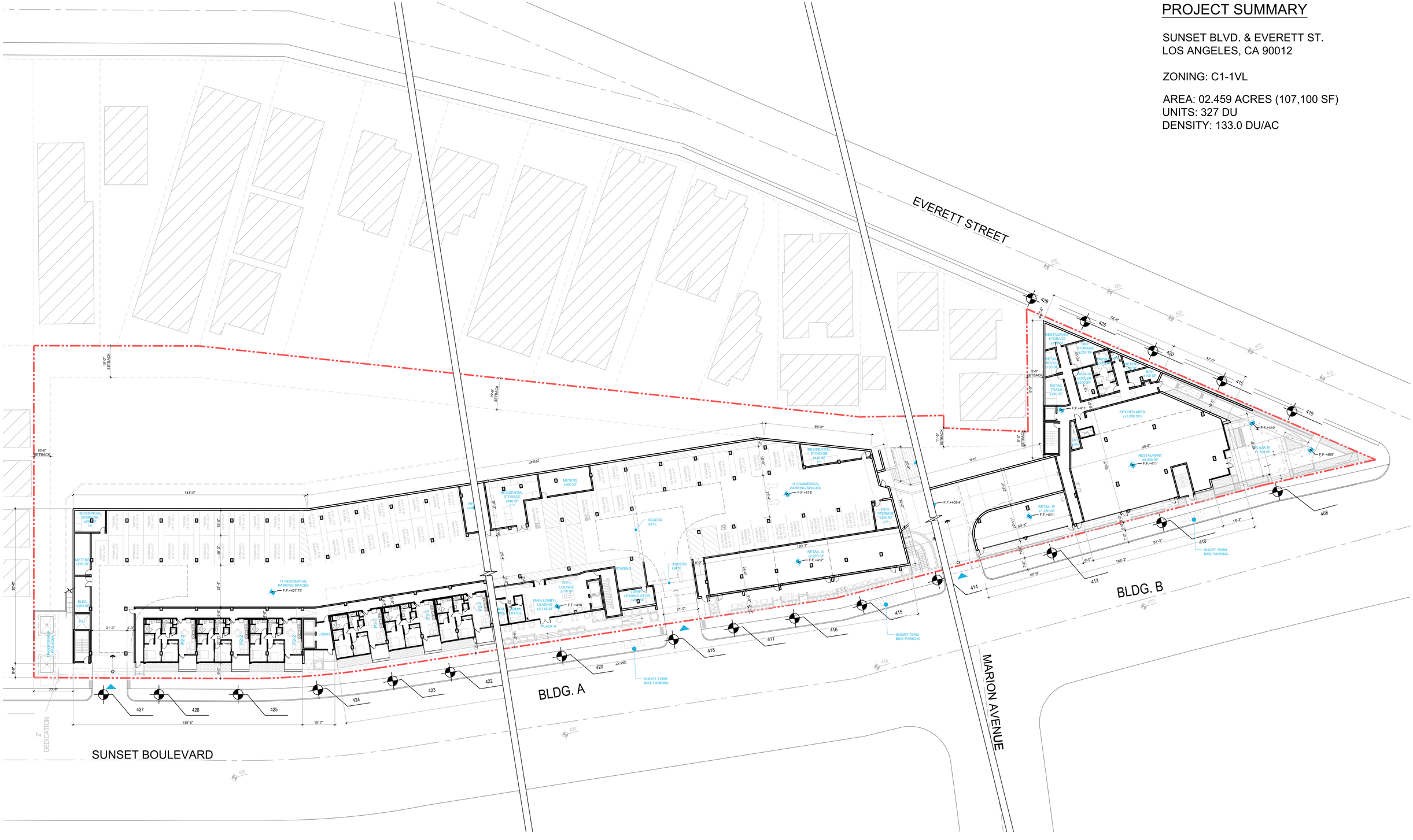
Appendix C – Concept Design Plans

PROJECT SUMMARY

SUNSET BLVD. & EVERETT ST.
LOS ANGELES, CA 90012

ZONING: C1-1VL

AREA: 02.459 ACRES (107,100 SF)
UNITS: 327 DU
DENSITY: 133.0 DU/AC



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Vancouver, BC, Canada V6J 1G1

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MAY 8, 2023

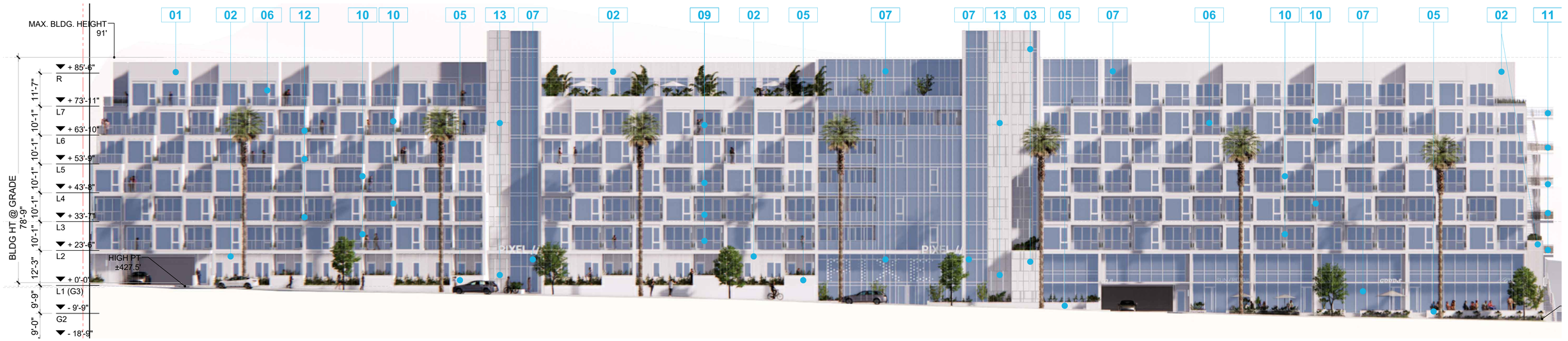
0 12 1/2 25 50

CONCEPTUAL SITE PLAN
PROJECT SUMMARY

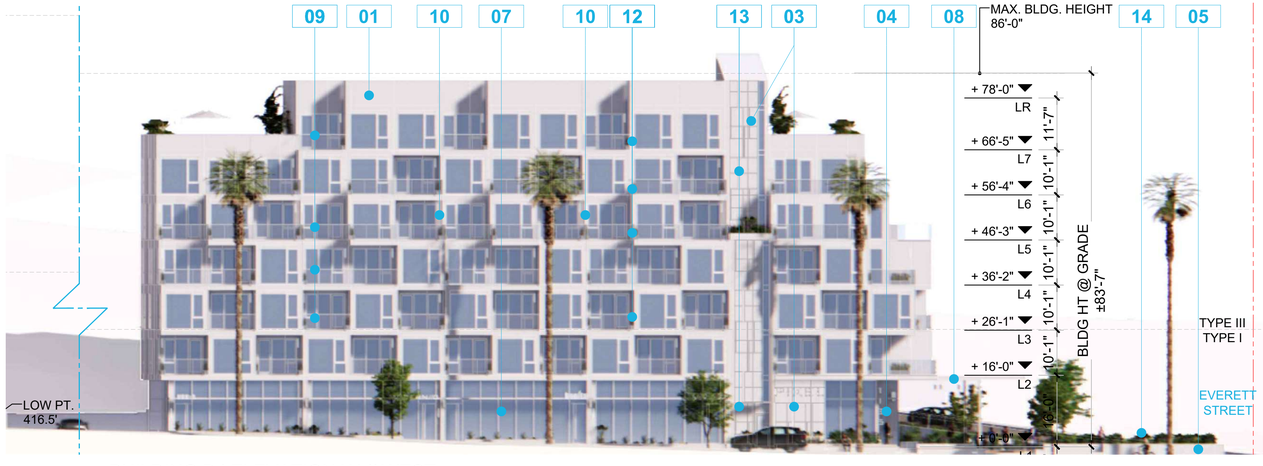
A1-0

BUILDING A + B | COMPOSITE ELEVATION 'A' // WEST

SCALE: 1/32" = 1'-0"



BUILDING A | ELEVATION 'A' // WEST



BUILDING B | ELEVATION 'A' // WEST

CALLOUT LEGEND

01	STUCCO BODY 01
02	FIBER CEMENT SIDING 01
03	FIBER CEMENT SIDING 02
04	FIBER CEMENT SIDING 03
05	CMU / CONCRETE
06	VINYL WINDOW
07	STOREFRONT
08	METAL CANOPY
09	GLASS RAILING
10	GLASS PRIVACY SCREEN
11	METAL SCREEN
12	METAL PLANTERS
13	LED LINEAR WATERPROOF
14	COMPOSITE WOOD

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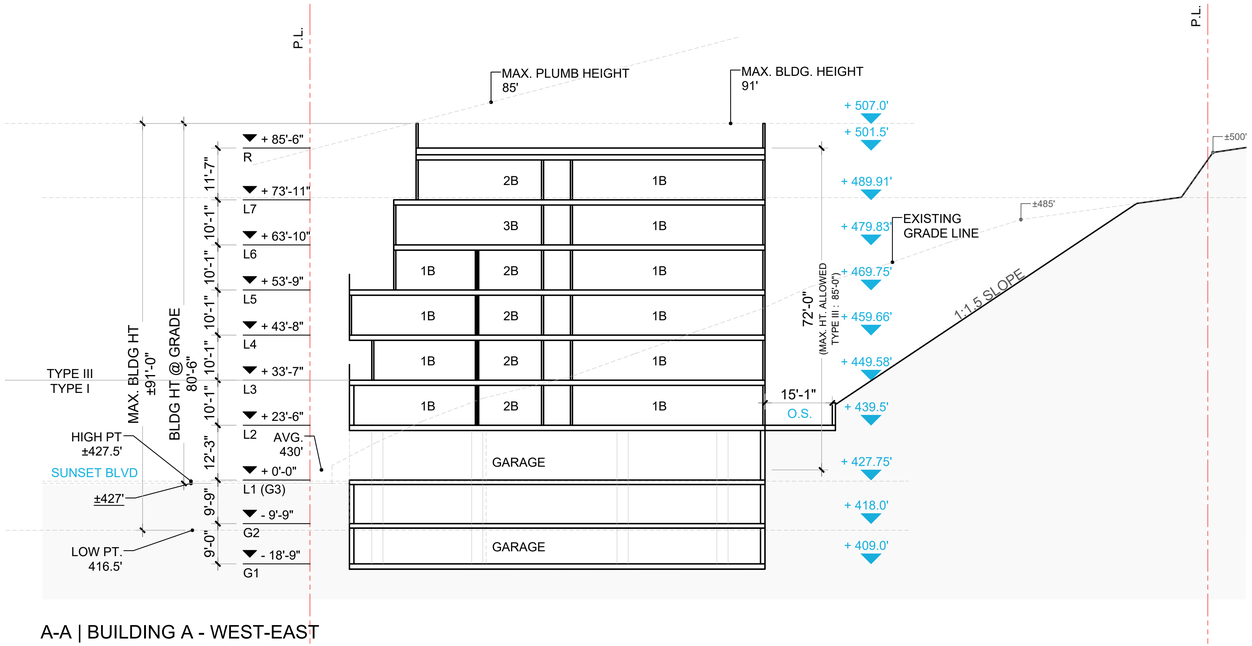
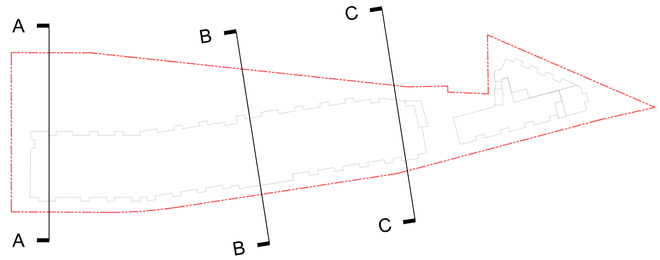
0 8 16 32

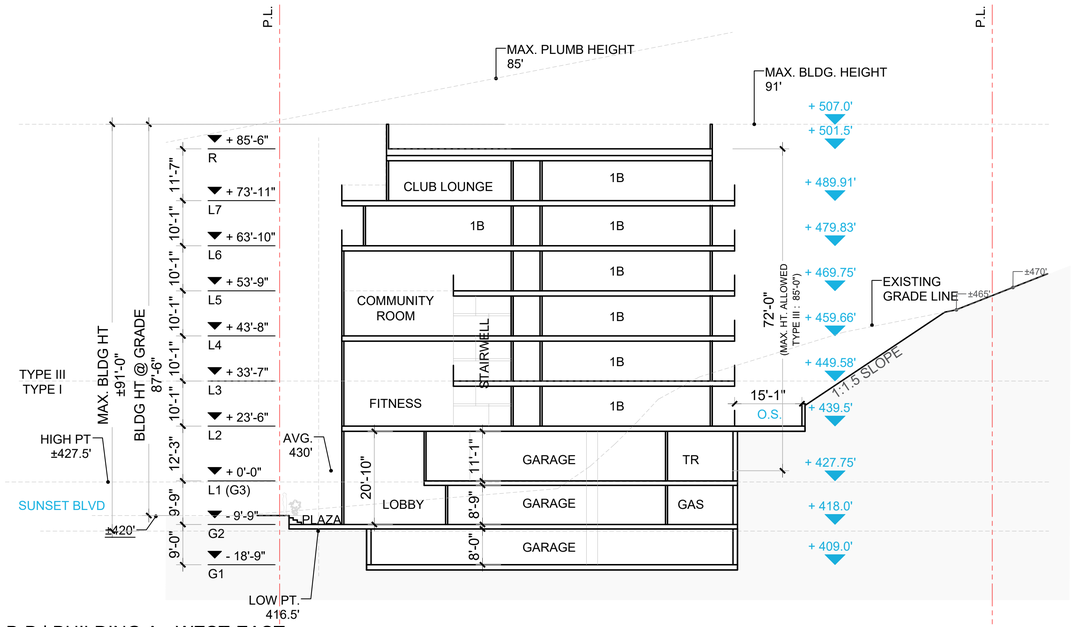
BUILDING ELEVATIONS
BUILDINGS 'A' + 'B' // WEST

A2-0

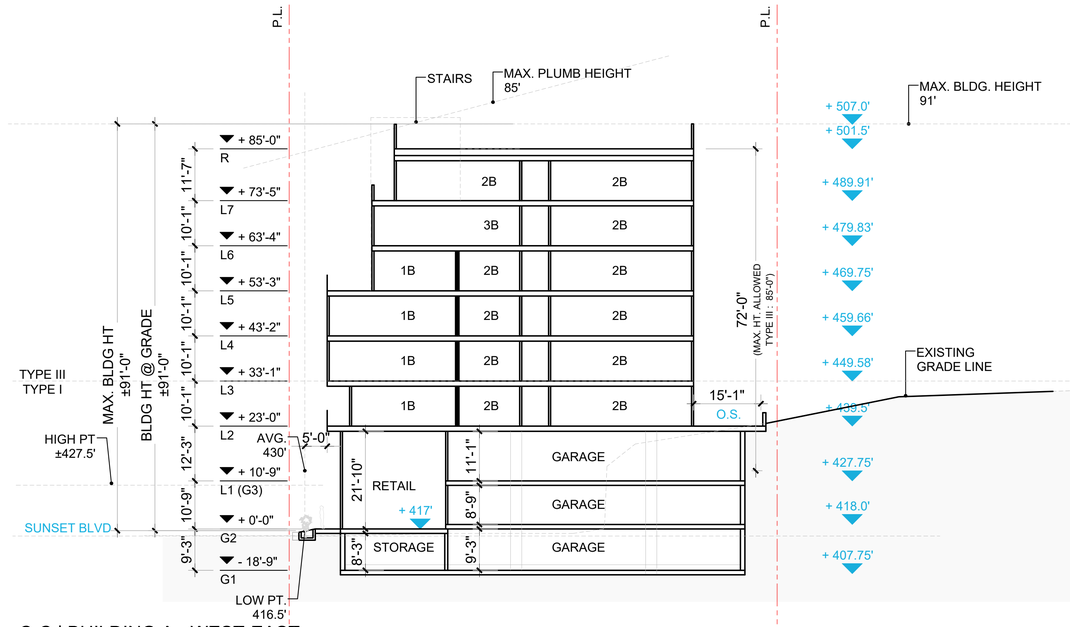


A-A | BUILDING A - WEST-EAST





B-B | BUILDING A - WEST-EAST



C-C | BUILDING A - WEST-EAST

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

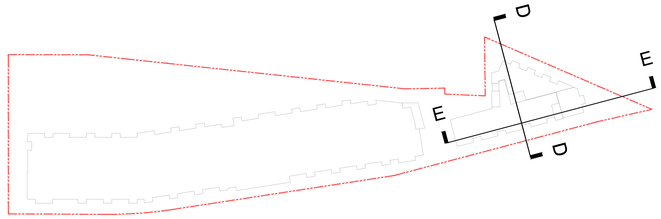
CONCEPT DESIGN // PIXEL
MAY 8, 2023

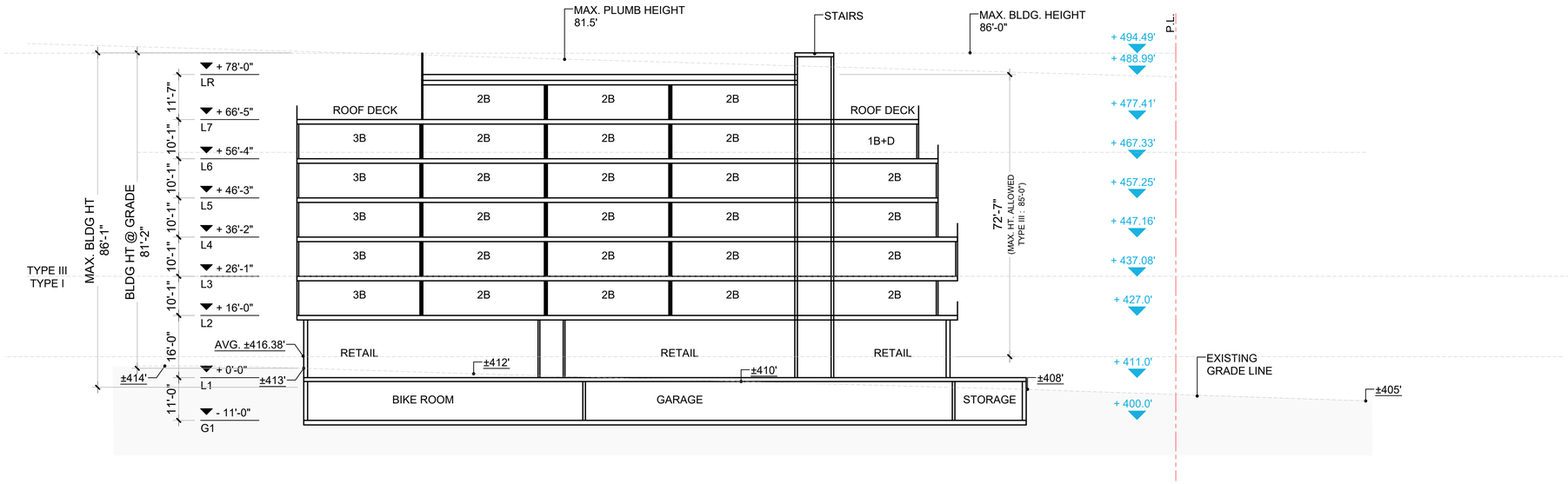
0 12 1/2 25 50

BUILDING SECTIONS
BUILDING A

A4-0

D-D | BUILDING B - WEST-EAST





E-E | BUILDING B - NORTH-SOUTH

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CONCEPT DESIGN // PIXEL
MAY 8, 2023

0 12 1/2 25 50

BUILDING SECTIONS
BUILDING 'B'

A4-1

CORNER OF SUNSET BOULEVARD AND EVERETT STREET | BUILDING B

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MAY 8, 2023

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CONCEPTUAL PERSPECTIVES

A6-0

NORTH VIEW FROM SUNSET BLVD | BUILDING A

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MAY 8, 2023

NTS

CONCEPTUAL PERSPECTIVES

A6-1

A TROWEL STUCCO FINISH //

- SMOOTH

2 SHERWIN-WILLIAMS FINISH //

- LIGHT SOFT COLOR

B FIBER CEMENT FINISH //

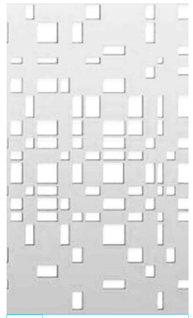
- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- OCCURS:
  - •• GROUND LEVEL UNITS
  - •• UPPER LEVEL AMENITY SPACES

C FIBER CEMENT FINISH //

- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- STAIRS & ELEVATORS

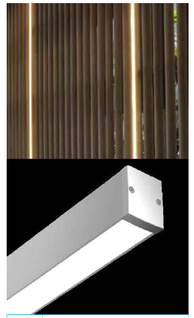
D WHITE METAL FINISH //

- LIGHT COLOR
- OCCURS:
  - •• STAIRWELL



E PERFORATED METAL FINISH //

- LIGHT COLOR
  - •• BOK MODERN
- OCCURS:
  - •• EXTERIOR SIDE STAIRWELL



F LED LINEAR WET RATED LIGHTING //

- 5000K - 7000K
- INTEGRATED
  - •• STUCCO
  - •• FIBER CEMENT

G CONCRETE FINISH //

- LIGHT COLOR
  - •• MATCH SW PAINT #
- OCCURS:
  - •• STOOPS

H OPAQUE GLASS FINISH //

- LIGHT COLOR
  - •• MATCH WINDOW COLOR
- OCCURS:
  - •• BALCONY PRIVACY SCREEN

I METAL PLANTER FINISH //

- LIGHT COLOR
  - •• POWDER COATED
  - •• MATCH SW PAINT #
- OCCURS:
  - •• AMENITIES
  - •• BALCONIES

FRONT PERSPECTIVE ON SUNSET BLVD | BUILDING A (MATERIALS ARE SIMILAR TO BUILDING B)

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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MAY 8, 2023

NTS

COLOR & MATERIAL BOARD
BUILDING 'A'

A8-0

A TROWEL STUCCO FINISH //

- SMOOTH

2 SHERWIN-WILLIAMS FINISH //

- LIGHT SOFT COLOR

B FIBER CEMENT FINISH //

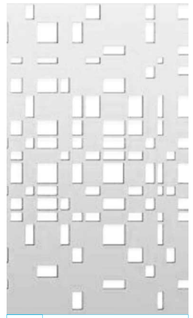
- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- OCCURS:
  - •• GROUND LEVEL UNITS
  - •• UPPER LEVEL AMENITY SPACES

C FIBER CEMENT FINISH //

- LIGHT COLOR
  - •• EQUITONE
  - •• CERACLAD
- STAIRS & ELEVATORS

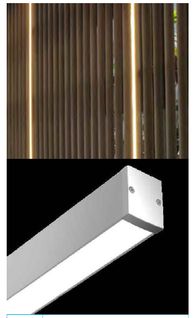
D WHITE METAL FINISH //

- LIGHT COLOR
- OCCURS:
  - •• STAIRWELL



E PERFORKATED METAL FINISH //

- LIGHT COLOR
  - •• BOK MODERN
- OCCURS:
  - •• EXTERIOR SIDE STAIRWELL



F LED LINEAR WET RATED LIGHTING //

- 5000K - 7000K
- INTEGRATED
  - •• STUCCO
  - •• FIBER CEMENT

G CONCRETE FINISH //

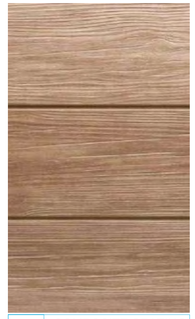
- LIGHT COLOR
  - •• MATCH SW PAINT #
- OCCURS:
  - •• STOOPS

H OPAQUE GLASS FINISH //

- LIGHT COLOR
  - •• MATCH WINDOW COLOR
- OCCURS:
  - •• BALCONY PRIVACY SCREEN

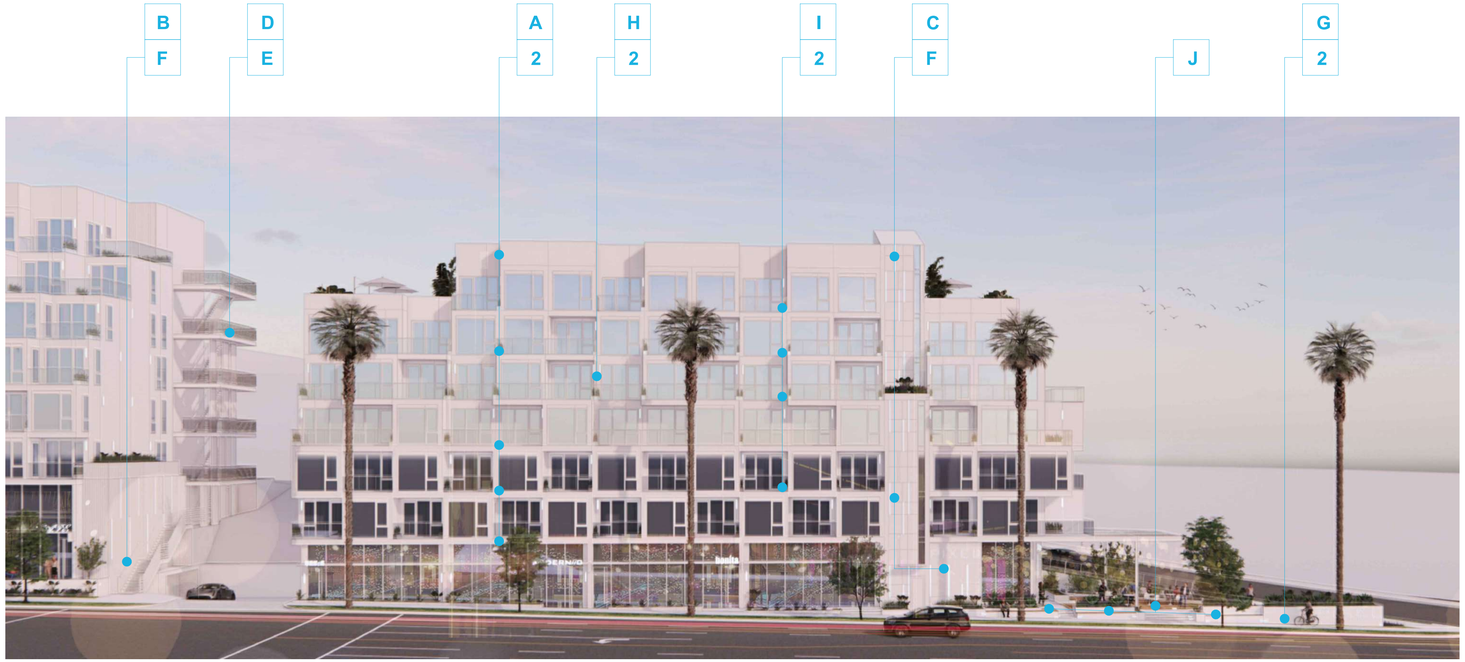
I METAL PLANTER FINISH //

- LIGHT COLOR
  - •• POWDER COATED
  - •• MATCH SW PAINT #
- OCCURS:
  - •• AMENITIES
  - •• BALCONIES



J COMPOSITE SEATING & DECKING FINISH //

- WARM COLOR
- OCCURS:
  - •• AMENITIES
  - •• PLAZA
  - •• OPEN SPACE



FRONT PERSPECTIVE ON SUNSET BLVD | BUILDING B (MATERIALS ARE SIMILAR TO BUILDING A)

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LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MAY 8, 2023

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COLOR & MATERIAL BOARD
BUILDING 'B'

A8-1

South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology MH-426
800 North State College Boulevard
Fullerton, CA 92834-6846
657.278.5395
California Historical Resources Information System
Los Angeles, Orange, Ventura and San Bernardino Counties
sccic@fullerton.edu

7/27/2015 SCCIC File #: 15260.1346

Seth Wulkan
CAJA Environmental
15350 Sherman Way, Ste.315
Van Nuys CA 91406

Re: Sunset and Everett Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Hollywood, CA and Los Angeles, CA USGS 7.5' quadrangle. The following summary reflects the results of the records search for the project area and a ½-mile radius. The search includes a review of all recorded archaeological and built-environment resources as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (SPHI), the California Historical Landmarks (SHL), the California Register of Historical Resources (CAL REG), the National Register of Historic Places (NRHP), the California State Historic Properties Directory (HPD), and the City of Los Angeles Historic-Cultural Monuments (LAHCM) listings were reviewed for the above referenced project site. Due to the sensitive nature of cultural resources, archaeological site locations are not released.

RECORDS SEARCH RESULTS SUMMARY

Archaeological Resources	Within project area: 0 Within project radius: 1
Built-Environment Resources	Within project area: 0 Within project radius: 61
Reports and Studies	Within project area: 0 Within project radius: 28
OHP Historic Properties Directory (HPD)	Within project area: 0 Within project radius: 293
California Points of Historical Interest (SPHI)	Within project area: 0 Within project radius: 0
California Historical Landmarks (SHL)	Within project area: 0 Within project radius: 0

California Register of Historical Resources (CAL REG)	Within project area: 0 Within project radius: 48
National Register of Historic Places (NRHP)	Within project area: 0 Within project radius: 12
Archaeological Determinations of Eligibility (ADOE):	Within project area: 0 Within project radius: 0
City of Los Angeles Historic-Cultural Monuments (LAHCM)	Within project area: 0 Within project radius: 0

HISTORIC MAP REVIEW – Pasadena, CA (1896, 1900): indicated that in 1896, there was little to no visible development within the project site; however, there were several roads and buildings within the vicinity of the project area. The project site was located within an urban environment. Elysian Park was located to the north of the project site. Historic place names nearby included Los Angeles. In 1900, all previously mentioned features remained.

RECOMMENDATIONS

According to our records, the project site has not been subjected to any previous studies. Therefore, customary caution and a halt-work condition should be in place during all ground disturbing activities. In the event that cultural resources are encountered, all work within the vicinity of the find should stop, until a qualified archaeological consultant can assess the finds and make recommendations. Although the project sites are currently developed, there is the potential for buried and/or surface prehistoric and historic resources within the project boundaries. Agricultural remains, foundations, trails, hearths, trash dumps, privies, changes in soil colorations, human or animal bone, pottery, chipped or shaped stone, man-hole covers, railroad tracks, etc. are all potential indications of an archaeological or historical site. Excavation of cultural resources should not be attempted by project personnel. Additionally, the effect of this project on any historic structures should be evaluated. Therefore, It is also recommended that any structures or built-environment resources that are 45 years and older and in the area of potential effect should be identified, recorded, and evaluated for local, state, or national significance by a qualified consultant prior to the approval of project plans. Finally, the Native American Heritage Commission should be consulted to identify if any additional traditional cultural properties or other sacred sites are known to be in the area.

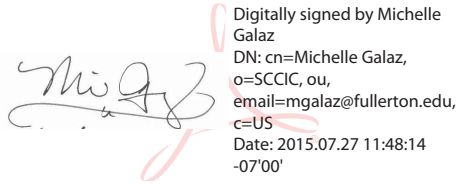
For your convenience, you may find a professional consultant* at www.chrisinfo.org. Any resulting reports by the qualified consultant should be submitted to the South Central Coastal Information Center as soon as possible.

*The SCCIC does not endorse any particular consultant and makes no claims about the qualifications of any person listed. Each consultant on this list self-reports that they meet current professional standards.

If you have any questions regarding the results presented herein, please contact the office at 657.278.5395 Monday through Thursday 9:00 am to 3:30 pm.

Should you require any additional information for the above referenced project, reference the SCCIC number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System,



For Lindsey Noyes
Lead Staff Researcher

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, cultural resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

Energy and Fuel Calculations
Sunset and Everett Project

Summary Page

Summary of Energy Use during Construction	
Electricity	
Water Consumption	5,418 kWh
Temporary Power (lighting, tools)	70,560 kWh
Total	**75,978 kWh**
Gasoline	
On Road (Worker)	412,242 gallons
Off Road	0
Total	**412,242 gallons**
Diesel	
On Road (Vender)	71,742 gallons
On Road (Haul)	66,240 gallons
Off Road	106,193 gallons
Total	**244,175 gallons**
Total Transportation	**656,417 gallons**

Summary of Energy Use during Operation	
Building	1,771,660 kWh/year
Water Delivery	169,815 kWh/year
Electricity Total	**1,941,475 kWh**
Natural Gas	**853,649 cf/year**
Gasoline	166,997 gallons
Diesel	29,720 gallons
Total Transportation	**196,717 gallons**

Construction Page

Calculation of Gas Usage During Construction (On-road workers)						
Phase	**Trips**	**Days**	**Length (miles)**	**Total (miles)**	**MPG**	**Gallons**
Demolition	5	6				
Site Preparation	8	11				
Grading	20	75				
Construction	284	521				
Arch Coating	57	65				
Trenching	8	22				
Total	**382**	**700**	**18.5**	**4,946,900**	**24**	**206,121**
					Total (round trips)	**412,242**
Fuel efficiency calculated using fuel consumption and VMT from ENFAC2021 v1.0.2. Total is doubled to account for round-trips. Trips and Days from CalEEMod 2022.1.1.17.						

Calculation of Diesel Usage During Construction (On-road vender)						
Phase	**Trips**	**Days**	**Length (miles)**	**Total (miles)**	**MPG**	**Gallons**
Construction	54	521	10.2	286,967	8	35,871
					Total (round trips)	**71,742**
Fuel efficiency calculated using fuel consumption and VMT from ENFAC2021 v1.0.2. Total is doubled to account for round-trips. Trips and Days from CalEEMod 2022.1.1.17.						

Calculation of Diesel Usage During Construction (On-road haul)						
Phase	**Trips**	**Days**	**Length (miles)**	**Total (mil)**	**MPG**	**Gallons**
Demolition	9	6				
Site Preparation	68	11				
Grading	67	75				
Total	**144**	**92**	**20**	**264,960**	**8**	**33,120**
					Total (round trips)	**66,240**
Fuel efficiency calculated using fuel consumption and VMT from ENFAC2021 v1.0.2. Total is doubled to account for round-trips. Trips and Days from CalEEMod 2022.1.1.17.						

Calculation of Diesel Usage During Construction (Off-road equipment)								
Phase	**Equipment**	**Units**	**Hours**	**HP**	**Load Factor**	**Ave. Daily Factor**	**Days**	**HP-hours**
Demolition	Dumpers/Tenders	1	8	16	0.38	0.6	6	175
	Excavators	1	8	36	0.38	0.6	6	394
Site Preparation	Graders	1	8	148	0.41	0.6	11	3,204
	Scrapers	1	8	423	0.48	0.6	11	10,721
	Tractors/Loaders/Backhoes	1	7	84	0.37	0.6	11	1,436
Grading	Graders	2	8	148	0.41	0.6	75	43,690
	Air Compressors	1	8	37	0.48	0.6	75	6,394
	Bore/Drill Rigs	1	8	83	0.5	0.6	75	14,940
	Cement and Mortar Mixers	1	8	10	0.56	0.6	75	2,016

	Concrete/Industrial Saws	1	8	33	0.73	0.6	75	8.672
	Excavators	1	8	36	0.38	0.6	75	4,925
	Other Construction Equipment	1	8	82	0.42	0.6	75	12,398
Construction	Cranes	1	8	367	0.29	0.6	521	266,160
	Forklifts	1	7	82	0.20	0.6	521	35,886
	Generator Sets	2	8	14	0.74	0.6	521	51,817
	Tractors/Loaders/Backhoes	1	6	84	0.37	0.6	521	58,294
	Welders	3	8	46	0.45	0.6	521	155,300
	Air Compressors	4	8	37	0.48	0.6	521	177,657
	Cement and Mortar Mixers	1	8	10	0.56	0.6	521	14,004
	Concrete/Industrial Saws	2	8	33	0.73	0.6	521	120,489
	Dumpers/Tenders	3	8	16	0.38	0.6	521	45,615
	Other Construction Equipment	5	8	82	0.42	0.6	521	430,638
	Other General Industrial Equipment	6	8	35	0.34	0.6	521	178,557
	Other Material Handling Equipment	3	8	93	0.40	0.6	521	279,089
	Pumps	1	8	11	0.74	0.6	521	20,357
	Skid Steer Loaders	1	8	71	0.37	0.6	521	65,697
Arch Coatings	Air Compressors	1	6	37	0.48	0.6	65	4,156
	Pressure Washers	1	8	14	0.30	0.6	65	1,310
	Scrapers	1	8	423	0.48	0.6	65	63,348
	Surfacing Equipment	1	8	399	0.30	0.6	65	37,346
	Sweepers/Scrubbers	1	8	36	0.46	0.6	65	5,167
Trenching	Trenchers	1	8	40	0.50	0.6	22	2,112
	Dumpers/Tenders	1	8	14	0.30	0.6	22	444
	Excavators	1	8	36	0.38	0.6	22	1,445
							Total	2,123,850
							Total (diesel)	**106,193**

HP = horsepower
gallons of diesel fuel per HP-hour= 0.05
Equipment assumptions are provide in the CalEEMod output files and fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.
2,123,850 HP-hours = 106,193 gallons.
Equipment from CalEEMod 2022.1.1.17.

Water Usage for fugitive dust control during construction					
Phase	**Days**	**Acres**	**Water Rate**	**Electrical Rate**	**Total**
Grading	75	2.459	3,020 gallons / acre	0.009727 kWh / gallon	5,418 kWh

kWh – kilowatt hours
Conservatively assumes the total amount of site that would be disturbed.
Gallons per year of water usage for dust control is calculated based on a minimum control efficiency of 66% (three times daily) with an application rate of 3,020 gallons/acre/day (Air & Waste Management Association Air Pollution Engineering Manual (1992 Edition) and average of 26 construction days per month.
CalEEMod Default: Each gallon of delivered potable water in Southern California is associated with 0.009727 kWh of electricity).

Construction Electricity Usage							
Equipment	**Peak Power Rating**	**Typical Load**	**Average Output**	**Hours Per Day**	**Average Daily Output**	**Construction Days**	**Total**
Caterpillar 40-C4.4 Generator	36 kWh	70%	25.2 kWh	4	100.8 kWh	700	70,560 kWh

Operation Page

Gasoline and Diesel Use – Operation				
Percent of Fleet			**Fuel Consumption**	
Fleet Mix	94.4% Auto	4,007,922 miles	24 mpg gas	166,997
	5.6% Other	237,758 miles	8 mpg diesel	29,720
Total				**196,717**
Daily VMT = 11,632 from Fehr & Peers, October 2023. Daily x 365 days = Annual VMT = 4,245,680 Percent fleet based on VMT from ENFAC2021 v1.0.2 Fuel efficiency calculated using fuel consumption and VMT from ENFAC2021 v1.0.2.				

Electricity by Land Use – Operation		
Use		**Amount (kWh/year)**
Proposed	Apartments	1,075,143
	Parking	388,339
	Restaurant	308,178
Total		**1,771,660**
CalEEMod 2022.1.1.17.		

Electricity by Water Use – Operation		
Use (gallons/day)	**Use (gallons/year)**	**Amount (kWh/year)**
41,914	15,298,610	**169,815**
Net increase. Indoor water results in 0.0111 kWh of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod).		

Natural Gas by Land Use – Operation			
Use		**Amount (kBTU/year)**	**Amount (cf/year)**
Proposed	Apartments	0	
	Parking	0	
	Restaurant	896,332	
Total		**896,332**	**853,649**
CalEEMod 2022.1.1.17. 1 kBTU = 0.95238 cubic foot.			

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2024 (Construction Start Year)
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: 1000 gallons/day for Fuel Consumption

Region	Calenda	Vehicle	Model Year	Speed	Fuel	Total VMT	Fuel Consum
Los Angeles	2024	LDA	Aggregate	Aggregate	Gasoline	134787726	4645.28045
Los Angeles	2024	LDT1	Aggregate	Aggregate	Gasoline	11637172.8	480.465489
Los Angeles	2024	LDT2	Aggregate	Aggregate	Gasoline	65943413.8	2777.31124
Los Angeles	2024	LHD1	Aggregate	Aggregate	Gasoline	5033814.91	372.611769
Los Angeles	2024	LHD2	Aggregate	Aggregate	Gasoline	723443.383	61.3167428
Los Angeles	2024	MCY	Aggregate	Aggregate	Gasoline	992731.969	24.0837309
Los Angeles	2024	MDV	Aggregate	Aggregate	Gasoline	36861226.6	1907.2112
Los Angeles	2024	MH	Aggregate	Aggregate	Gasoline	156937.988	32.3999133
Los Angeles	2024	OBUS	Aggregate	Aggregate	Gasoline	149449.666	29.6849597
Los Angeles	2024	SBUS	Aggregate	Aggregate	Gasoline	65854.3869	7.32704226
Los Angeles	2024	T6TS	Aggregate	Aggregate	Gasoline	815922.642	158.200512
Los Angeles	2024	T7IS	Aggregate	Aggregate	Gasoline	2968.25851	0.73212166
Los Angeles	2024	UBUS	Aggregate	Aggregate	Gasoline	30984.4351	6.75355384
					Total	257201647	10503.3787

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2024 (Construction Start Year)
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: 1000 gallons/day for Fuel Consumption

Region	Calenda	Vehicle Catego	Model Year	Speed	Fuel	Total VMT	Fuel Consum
Los Angeles	2024	All Other Buses	Aggregate	Aggregate	Diesel	84320.7864	9.13342383
Los Angeles	2024	LDA	Aggregate	Aggregate	Diesel	270276.227	6.70781088
Los Angeles	2024	LDT1	Aggregate	Aggregate	Diesel	2452.06113	0.1062145
Los Angeles	2024	LDT2	Aggregate	Aggregate	Diesel	218613.196	6.93948117
Los Angeles	2024	LHD1	Aggregate	Aggregate	Diesel	2559140.62	125.037303
Los Angeles	2024	LHD2	Aggregate	Aggregate	Diesel	1133991.92	65.752053
Los Angeles	2024	MDV	Aggregate	Aggregate	Diesel	440034.429	18.6649573
Los Angeles	2024	MH	Aggregate	Aggregate	Diesel	59113.8029	5.92387259
Los Angeles	2024	Motor Coach	Aggregate	Aggregate	Diesel	85962.3931	15.5548598
Los Angeles	2024	PTO	Aggregate	Aggregate	Diesel	110814.403	22.3780479
Los Angeles	2024	SBUS	Aggregate	Aggregate	Diesel	40241.0028	5.46099729
Los Angeles	2024	T6 CAIRP Class	Aggregate	Aggregate	Diesel	2254.98449	0.24411331
Los Angeles	2024	T6 CAIRP Class	Aggregate	Aggregate	Diesel	3095.74317	0.33508252
Los Angeles	2024	T6 CAIRP Class	Aggregate	Aggregate	Diesel	8063.59556	0.85916901
Los Angeles	2024	T6 CAIRP Class	Aggregate	Aggregate	Diesel	50774.9415	5.06908295
Los Angeles	2024	T6 Instate Deliv	Aggregate	Aggregate	Diesel	131366.603	14.8113173
Los Angeles	2024	T6 Instate Deliv	Aggregate	Aggregate	Diesel	135604.665	15.3897105
Los Angeles	2024	T6 Instate Deliv	Aggregate	Aggregate	Diesel	414343.881	46.8256252
Los Angeles	2024	T6 Instate Deliv	Aggregate	Aggregate	Diesel	166436.016	18.3517575
Los Angeles	2024	T6 Instate Othe	Aggregate	Aggregate	Diesel	205340.707	23.2030883
Los Angeles	2024	T6 Instate Othe	Aggregate	Aggregate	Diesel	473402.707	53.681894
Los Angeles	2024	T6 Instate Othe	Aggregate	Aggregate	Diesel	421292.868	47.6422673
Los Angeles	2024	T6 Instate Othe	Aggregate	Aggregate	Diesel	211862.925	23.5575335
Los Angeles	2024	T6 Instate Trac	Aggregate	Aggregate	Diesel	6925.59801	0.77440705
Los Angeles	2024	T6 Instate Trac	Aggregate	Aggregate	Diesel	102948.543	10.8442809
Los Angeles	2024	T6 OOS Class 4	Aggregate	Aggregate	Diesel	1294.92126	0.13953167
Los Angeles	2024	T6 OOS Class 5	Aggregate	Aggregate	Diesel	1776.39911	0.1914825
Los Angeles	2024	T6 OOS Class 6	Aggregate	Aggregate	Diesel	4641.78169	0.4913569
Los Angeles	2024	T6 OOS Class 7	Aggregate	Aggregate	Diesel	33751.5249	3.34470857
Los Angeles	2024	T6 Public Class	Aggregate	Aggregate	Diesel	25101.672	2.94080898
Los Angeles	2024	T6 Public Class	Aggregate	Aggregate	Diesel	17374.7237	2.06368586
Los Angeles	2024	T6 Public Class	Aggregate	Aggregate	Diesel	21065.0065	2.51203406
Los Angeles	2024	T6 Public Class	Aggregate	Aggregate	Diesel	115935.316	13.5077147
Los Angeles	2024	T6 Utility Class	Aggregate	Aggregate	Diesel	25977.1553	2.79970815

Los Angeles	2024	T6 Utility Class	Aggregate	Aggregate	Diesel	4885.08143	0.52429146
Los Angeles	2024	T6 Utility Class	Aggregate	Aggregate	Diesel	6782.24948	0.72462216
Los Angeles	2024	T7 CAIRP Class	Aggregate	Aggregate	Diesel	1420991.89	228.884963
Los Angeles	2024	T7 NNOOS Clas	Aggregate	Aggregate	Diesel	1695427.87	268.029645
Los Angeles	2024	T7 NOOS Class	Aggregate	Aggregate	Diesel	615627.99	99.0204109
Los Angeles	2024	T7 POAK Class	Aggregate	Aggregate	Diesel	111.339704	0.01996242
Los Angeles	2024	T7 POLA Class	Aggregate	Aggregate	Diesel	1135455.05	190.064156
Los Angeles	2024	T7 Public Class	Aggregate	Aggregate	Diesel	147036.517	25.6840206
Los Angeles	2024	T7 Single Concr	Aggregate	Aggregate	Diesel	50746.3516	8.35605584
Los Angeles	2024	T7 Single Dump	Aggregate	Aggregate	Diesel	122729.5	20.4552565
Los Angeles	2024	T7 Single Other	Aggregate	Aggregate	Diesel	345935.61	57.2479417
Los Angeles	2024	T7 SWCV Class	Aggregate	Aggregate	Diesel	75582.0906	28.919627
Los Angeles	2024	T7 Tractor Clas	Aggregate	Aggregate	Diesel	1112064.64	180.732169
Los Angeles	2024	T7 Utility Class	Aggregate	Aggregate	Diesel	20739.3728	3.35748029
Los Angeles	2024	UBUS	Aggregate	Aggregate	Diesel	6248.8188	0.97813061
					Total	14345957.5	1684.23812

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2027 (Operation Year)
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: 1000 gallons/day for Fuel Consumption

Region	Calend	Vehicle	Model Year	Speed	Fuel	Total VMT	Fuel Consum
Los Angeles	2027	LDA	Aggregate	Aggregate	Gasoline	127411269	4134.43086
Los Angeles	2027	LDT1	Aggregate	Aggregate	Gasoline	11091280.1	432.899059
Los Angeles	2027	LDT2	Aggregate	Aggregate	Gasoline	69171014.5	2709.65533
Los Angeles	2027	LHD1	Aggregate	Aggregate	Gasoline	5037761.84	349.870245
Los Angeles	2027	LHD2	Aggregate	Aggregate	Gasoline	708229.223	56.5744315
Los Angeles	2027	MCY	Aggregate	Aggregate	Gasoline	1042272.87	25.0570567
Los Angeles	2027	MDV	Aggregate	Aggregate	Gasoline	37949923.6	1826.10978
Los Angeles	2027	MH	Aggregate	Aggregate	Gasoline	151088.154	31.2027473
Los Angeles	2027	OBUS	Aggregate	Aggregate	Gasoline	127437.703	24.5731296
Los Angeles	2027	SBUS	Aggregate	Aggregate	Gasoline	69457.4503	7.62436157
Los Angeles	2027	T6TS	Aggregate	Aggregate	Gasoline	755094.268	141.804025
Los Angeles	2027	T7IS	Aggregate	Aggregate	Gasoline	2421.96548	0.55632226
Los Angeles	2027	UBUS	Aggregate	Aggregate	Gasoline	30482.5139	6.572381
					Total	253547733	9746.92973

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Los Angeles
Calendar Year: 2027 (Operation Year)
Season: Annual
Vehicle Classification: EMFAC202x Categories
Units: 1000 gallons/day for Fuel Consumption

Region	Calend	Vehicle Ca	Model Year	Speed	Fuel	Total VMT	Fuel Consum
Los Angeles	2027	All Other E	Aggregate	Aggregate	Diesel	83424.0023	8.76495021
Los Angeles	2027	LDA	Aggregate	Aggregate	Diesel	201833.555	4.79953465
Los Angeles	2027	LDT1	Aggregate	Aggregate	Diesel	915.844089	0.03801334
Los Angeles	2027	LDT2	Aggregate	Aggregate	Diesel	241831.323	7.21891164
Los Angeles	2027	LHD1	Aggregate	Aggregate	Diesel	2872082.69	138.132154
Los Angeles	2027	LHD2	Aggregate	Aggregate	Diesel	1291571.38	73.2478107
Los Angeles	2027	MDV	Aggregate	Aggregate	Diesel	445305.215	17.8304804
Los Angeles	2027	MH	Aggregate	Aggregate	Diesel	64332.9012	6.45264657
Los Angeles	2027	Motor Coa	Aggregate	Aggregate	Diesel	87406.9534	15.2977372
Los Angeles	2027	PTO	Aggregate	Aggregate	Diesel	112257.549	21.8148666
Los Angeles	2027	SBUS	Aggregate	Aggregate	Diesel	36021.2395	4.83470287
Los Angeles	2027	T6 CAIRP C	Aggregate	Aggregate	Diesel	2268.1982	0.23990863
Los Angeles	2027	T6 CAIRP C	Aggregate	Aggregate	Diesel	3122.41685	0.33095857
Los Angeles	2027	T6 CAIRP C	Aggregate	Aggregate	Diesel	8052.42732	0.83994292
Los Angeles	2027	T6 CAIRP C	Aggregate	Aggregate	Diesel	51646.8736	4.95383819
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	133383.852	14.8465754
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	137978.739	15.4836341
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	421463.659	47.1206759
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	172252.977	18.9499509
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	207967.509	23.192584
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	480858.834	53.8843158
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	427663.912	47.7938442
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	216408.428	23.831845
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	7032.87606	0.77955262
Los Angeles	2027	T6 Instate	Aggregate	Aggregate	Diesel	106054.606	10.9899353
Los Angeles	2027	T6 OOS Cl	Aggregate	Aggregate	Diesel	1350.78371	0.13913331
Los Angeles	2027	T6 OOS Cl	Aggregate	Aggregate	Diesel	1853.03234	0.19160302
Los Angeles	2027	T6 OOS Cl	Aggregate	Aggregate	Diesel	4842.02652	0.48899667
Los Angeles	2027	T6 OOS Cl	Aggregate	Aggregate	Diesel	35207.5538	3.32810136
Los Angeles	2027	T6 Public C	Aggregate	Aggregate	Diesel	24252.7922	2.80232293
Los Angeles	2027	T6 Public C	Aggregate	Aggregate	Diesel	16866.17	1.97077333
Los Angeles	2027	T6 Public C	Aggregate	Aggregate	Diesel	20244.3948	2.3496698
Los Angeles	2027	T6 Public C	Aggregate	Aggregate	Diesel	111487.68	12.680367
Los Angeles	2027	T6 Utility C	Aggregate	Aggregate	Diesel	25099.7556	2.67827815

Los Angeles	2027	T6 Utility (	Aggregate	Aggregate	Diesel	4726.79724	0.50256885
Los Angeles	2027	T6 Utility (	Aggregate	Aggregate	Diesel	6532.22205	0.68911917
Los Angeles	2027	T7 CAIRP (	Aggregate	Aggregate	Diesel	1461343.13	224.917371
Los Angeles	2027	T7 NNOOS	Aggregate	Aggregate	Diesel	1791228.38	263.197057
Los Angeles	2027	T7 NOOS (	Aggregate	Aggregate	Diesel	650414.182	98.7386578
Los Angeles	2027	T7 POAK C	Aggregate	Aggregate	Diesel	116.588575	0.02089984
Los Angeles	2027	T7 POLA C	Aggregate	Aggregate	Diesel	1267216.64	211.343815
Los Angeles	2027	T7 Public (	Aggregate	Aggregate	Diesel	134380.047	23.0970075
Los Angeles	2027	T7 Single (	Aggregate	Aggregate	Diesel	49502.867	7.90743559
Los Angeles	2027	T7 Single I	Aggregate	Aggregate	Diesel	120679.566	19.8753802
Los Angeles	2027	T7 Single (	Aggregate	Aggregate	Diesel	355342.974	58.021041
Los Angeles	2027	T7 SWCV (	Aggregate	Aggregate	Diesel	54850.0347	20.8348861
Los Angeles	2027	T7 Tractor	Aggregate	Aggregate	Diesel	1158955.78	184.088863
Los Angeles	2027	T7 Utility (	Aggregate	Aggregate	Diesel	20432.2289	3.27444108
Los Angeles	2027	UBUS	Aggregate	Aggregate	Diesel	2363.51075	0.41301156
					Total	15132427.1	1705.22017

Geotechnologies, Inc.
Consulting Geotechnical Engineers
439 Western Avenue
Glendale, California 91201-2837
818.240.9600 • Fax 818.240.9675

September 6, 2023
File No. 20489

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, California 90026

Attention: Jeff Farrington

Subject: Updated Geotechnical Engineering Investigation
Proposed Apartment Complex
1185 West Sunset Boulevard, Los Angeles, California

References: *Reports by Geotechnologies, Inc.:*
Geotechnical Engineering Investigation, dated April 9, 2013, updated June 24, 2014;
Follow Up to Geotechnical Engineering Investigation, dated March 4, 2014;
Response to Soils Report Correction Letter, dated May 22, 2014;
Response to Geotechnical and Engineering Geology Review, dated September 10, 2014;
Response to Geotechnical and Engineering Geology Response to Comments and Review, dated May 15, 2017;
Corrosion Testing Results, dated June 25, 2018.

City of Los Angeles, Department of Building and Safety:
Correction Letter, Log #83257, dated March 13, 2014;
Geology and Soils Report Approval Letter, Log #83257-01, dated June 24, 2014;
Geology and Soils Report Approval Letter, Log #85606, dated September 23, 2014.

Communications by Others:
Desktop Fault Evaluation, by Lettis Consultants International, Inc., dated May 2, 2017.

Ladies and Gentlemen:

This letter transmits the Geotechnical Engineering Investigation for the subject site prepared by Geotechnologies, Inc. This report provides geotechnical recommendations for the development of the site, including earthwork, seismic design, retaining walls, excavations, shoring and foundation design. Engineering for the proposed project should not begin until approval of the geotechnical investigation is granted by the local building official. Significant changes in the geotechnical recommendations may result due to the building department review process.

September 6, 2023
File No. 20489

The validity of the recommendations presented herein is dependent upon review of the geotechnical aspects of the project during construction by this firm. The subsurface conditions described herein have been projected from limited subsurface exploration and laboratory testing. The exploration and testing presented in this report should in no way be construed to reflect any variations which may occur between the exploration locations or which may result from changes in subsurface conditions.

Should you have any questions please contact this office.

Respectfully submitted,
GEOTECHNOLOGIES, INC.

REINARD T. KNUR
G.E. 2755/C.E.G. 1547

RTK:km

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UPDATED GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED APARTMENT COMPLEX
1185 WEST SUNSET BOULEVARD
LOS ANGELES, CALIFORNIA

INTRODUCTION

This report presents the results of the updated geotechnical engineering investigation performed on the subject site. The purpose of this investigation was to identify the distribution and engineering properties of the geologic materials underlying the site, and to provide geotechnical recommendations for the design of the proposed development.

This investigation presents the most recent building design based on the work by KTGY Architecture and Planning, includes updates through the 2022 California Building Code, and consolidates the recommendations presented in the referenced reports. No subsurface work or laboratory testing was performed as part of this report. The results of the exploration and the laboratory testing from previous reports by Geotechnologies, Inc. (GTI) are presented in the Appendix of this report (Files 20489 and 19267). Boring logs from a Geotechnical Engineering Report by Petra Geotechnical (2004 are also attached to this report. The excavation locations are shown on the enclosed Plot Plan and Geologic Map.

PROPOSED DEVELOPMENT

Information concerning the proposed development was furnished by KTGY Architecture + Planning. The site is proposed to be developed with an apartment complex that is seven stories in height with one and two levels of subterranean parking. Retaining walls will range of to 30 feet in height. Column loads are estimated to be between 500 and 900 kips. Wall Loads are estimated to be between 4 and 17 kips per lineal foot. These loads reflect the dead plus live load, of which the dead load is approximately 75 percent. The proposed structure is shown relative site boundaries on the attached Geologic Map.

The lowest finish floor elevations of the structure will range from 409 feet above mean sea level at the north end of the site to 400 feet at the south end. A walkway on the east side of the structure, located at the toe of the westerly descending slope, is at 439.5 feet.

Excavations for the subterranean parking levels at the northeast corner of the structure will be as much as 62 feet, including foundation excavations. The basement excavations will be as much as 20 feet below Sunset Boulevard at the northern end of the structure and 8feet at the southern end of the structure. The presence of uncertified fill at the southern end of the structure will require removal and recompaction. Up to 10 feet to of compacted fill will be necessary to locally raise grades and backfill walls.

A permanent cut is proposed on the east side of the structure that will provide a 15 foot setback between the east side of the structure and the toe of the proposed slope. The slope will be inclined as steep as 27 degrees and be up to 65 feet high. The top of the slope will require a 10 foot setback from the western and northern property lines. Appropriate terrace drains and downdrains will be required. Due to surface drainage from offsite properties to the subject site, a brow ditch will be required at the top of the slope to intercept the offsite water.

Any changes in the design of the project or location of any structure, as outlined in this report, should be reviewed by this office. The recommendations contained in this report should not be considered valid until reviewed and modified or reaffirmed, in writing, subsequent to such review.

SITE CONDITIONS

The site is located at West 1185 West Sunset Boulevard in Los Angeles, California. The site is irregular in shape and approximately 2.66 acres in area. The site is bordered by a westerly-descending slope to the north, at grade single and multi-family residential properties and Everett Street to the east, and West Sunset Boulevard to the west. The site is shown relative to nearby topographic features on the attached Vicinity Map. Topographic relief across the site is 95 feet

from highest to lowest points. Prior to development, the site was a westerly descending slope, inclined at a 4 to 1 gradient and up to 70 feet high. In the 1920's to 1930's, the toe of the slope was cut to provide room for several 1-story, at-grade structures. The work resulted in a cut up to 45 feet high and inclined at a 1 to 1 gradient. Due to the descent of the ridgeline on the east side of the site from north to south, the slope and the cut reduce to zero at the south end of the site, at the intersection of West Sunset Boulevard and Everett Street.

No indications of seeps, springs, or slope instability, such as tension crack in the exposed soils, distorted buildings, or surficial and deep seated failure were noted during the initial site investigation in 2013 or 2016. On the north side of the site, raveling and sloughing was observed. Some of the slough materials have accumulated against the walls of an existing building.

Previous development on the site consisted of several 1-story, at-grade retail structures. Some of the areas between former structures is paved.

This firm performed a site visit on June 20, 2023 as part of this investigation. No indications of seeps, springs, or slope instability such as tension cracks in the exposed soils, distorted buildings, or surficial and deep seated failures were noted. Al of the onsite structures have been demolished.

The site is vegetated with annual grasses and trees.

LOCAL GEOLOGY

The site is located in the Elysian Hills which are located to the northeast of downtown Los Angeles. The Elysian Hills are characterized by low, rolling topography. The hills are underlain by Tertiary-age, interlayered siltstone and sandstone of the Puente Formation. Bedding orientation in the Elysian Hills is very uniform, dipping from 20 to 50 degrees to the south and southwest (Lamar, 1970 and Dibblee, 1989). Two local geology maps, reflecting the work of Lamar (1970) and Dibblee (1989), are attached.

The bedrock is well bedded and planar and has few mapped folds or faults in the area. According to the geologic map prepared by Lamar (1970), an un-named fault is shown to trend in a northwest-southeast direction and bisects the site. Evidence of a fault was not observed during the site investigation, although a rock exposure near Boring B6 (Geotechnologies, 2006) yielded bedding attitudes indicative of an open, local fold. The fault is shown on the map by Dibblee (1989).

A review letter (described below) by the firms Wilson GeoSciences, Inc and Geo-Dynamics, Inc. prepared on behalf of a nearby property owner (Hoover Tang) commented on the presence and impact of an un-named fault shown on geologic map by Lamar (1970). Lettis Consultants International (LCI) performed a comprehensive review of the geologic literature and geologic interpretation of the site vicinity. Geotechnologies, Inc., in coordination with Lettis Consultants International (LCI) excavated 13 test pits on the site, to map bedding orientations and attempt to identify evidence of the fault. No fault was identified in the excavations on the site. The excavation locations are shown on the attached Geologic Map. The results are included in the report by LCI dated May 2, 2017 and in the response letter by Geotechnologies dated May 18, 2017. The report by LCI is attached as Appendix F, Desktop Fault Evaluation.

PREVIOUS WORK

A summary of the previous work on the site is presented in the chronological list below.

Kovacs-Byer and Associates, Report dated June 11, 1986, Preliminary Geologic and Soils Engineering Exploration, Proposed Commercial Structure and Housing, Lots 1, 2, 3, 4, 7, 9, 11, 13, 15, 16, 17, 18, 19, 21, and 23, Tract 38559, Sunset Boulevard and Vicinity, Los Angeles, California.

The scope of this investigation included excavation of 5 test pits and drilling 4 borings to depths ranging from 4 to 18 feet. Laboratory testing of the geologic materials was provided. No faults were encountered during the investigation. The fault identified by Lamar (1970) was considered a groundwater barrier. No existing landslides were identified during the investigation. Minor folding

was observed in the slope cut. A map identifying the excavation locations was not included with the report. Therefore, the borings are not indicated on the attached Geologic Map so the borings would have limited value and are therefore not included with this report.

Geotechnologies, Inc., Report dated October 18, 2006, Preliminary Results of Geotechnical Engineering Investigation, Proposed Residential Development, 1187 Sunset Boulevard, Los Angeles, California, File No 19267.

This firm performed an investigation on the subject site that included drilling 6 borings and excavating 6 test pits. The investigation was preliminary in scope and did not include laboratory testing of the geologic materials. The report was not updated nor was it submitted to the City of Los Angeles Grading Division for review. No landslides or deep seated instability was noted during the investigation. The excavation locations are shown on the attached Geologic Map and the boring logs are also included with this report as Appendix A1. The information presented in the report provided additional identification of the bedrock structure and the distribution of the geologic materials groundwater.

Geotechnologies, Inc., April 9, 2013, updated June 24, 2014, Geotechnical Engineering Investigation Proposed Apartment Complex, 1185 Sunset Boulevard, Los Angeles, California, File No 20489.

The project consisted of a 4 story multi-family apartment structure with 2 levels of subterranean parking. The easterly-ascending slope was planned to be cut for the proposed structure. Three borings were drilled with a hollowstem auger and six tests pits were excavated with hand tools. The excavation locations are shown on the attached Geologic Map and the boring logs are also included with this report as Appendix A2. Groundwater was identified in the borings at elevations of 414.7 and 402.5 feet.

Geotechnologies, Inc., March 4, 2014, Follow Up to Geotechnical Engineering Investigation, dated April 9, 2013, 1185-1245 W. Sunset Boulevard and 959 Everett Street, Los Angles, California Grading Division Log# 83357, VTTM#'s 72552 (959 Everett St.) and 72553 (1185-1245 W. Sunset Blvd.), File No 20489.

This letter was prepared for administrative purposes and does not provide additional geotechnical engineering conclusions or recommendations.

Geotechnologies, Inc., May 22, 2014, Response to Soils Report Correction Letter, Proposed Apartment Complex, 1185 West Sunset Boulevard, Los Angeles, California, File No. 20489.

The City of Los Angeles, Department of Building and Safety prepared a letter dated March 13, 2014 with comments that required clarification. This letter provided responses to the comments. An approval letter was issued by LADBS dated June 24, 2014 (LOG# 83257-01).

Geotechnologies, Inc., September 10, 2014, Response to Geotechnical and Engineering Geology Review by Geo-Dynamics, Inc. and Wilson Geosciences, Inc., Proposed Apartment Complex, 1185 West Sunset Boulevard, Los Angeles, California. File No 20489.

Geotechnologies, Inc,. received a letter from a neighbor (Hoover Tang) identifying geotechnical concerns regarding the proposed development dated August 4, 2014. The letter was also submitted to the Los Angeles Planning Department for consideration. The letter included combined commentary by the firms Wilson GeoSciences, Inc and Geo-Dynamics, Inc. Geotechnologies, Inc. provided a response letter to the comments and submitted it LADBS.

The LADBS reviewed the response and issued Geology and Soils Report Approval Letter September 23, 2014, (LOG# 85606).

Geotechnologies, Inc., May 18, 2017, Response to Geology and Engineering Geology Response to Comments and Recommendations, Proposed Apartment Complex, 1185 West Sunset Boulevard, Los Angeles, California, File No 20489.

Geotechnologies, Inc. received a rebuttal to the geotechnical-related comments provided in the letter by Mr. Hoover Tang (referenced above). The rebuttal comments were prepared by the firms Wilson GeoSciences, Inc and Geo-Dynamics, Inc.

The comments required supplemental geotechnical investigation work including Geotechnologies, Inc. provided a response letter to the comments and submitted it LADBS. The supplemental investigation included 4 borings and 17 test pits. Test pits TP7 and TP8 were excavated, sampled and logged. Test Pits TP-9 through TP-24 were shallow excavations to expose bedrock and bedding orientations, therefore the test pits logs were not prepared, however photographs were taken of the excavations. The boring and test pit locations are shown on the attached Geologic Map. The boring logs for B4 through B5 as well as the Logs for Test Pits TP7 and TP8 are included in Appendix A3. The Photographs Logs for test pits TP9 through TP24 are included in Appendix A4.

In addition, the firm Lettis Consultants International, Inc. was retained as a subconsultant to assist with the geologic interpretation of an unnamed fault that appears on the published Geologic Map by Lamar, (1970). A copy of the report by Lettis Consultants is in Appendix F, Desktop Fault Evaluation.

Geotechnologies, Inc., June 25, 2018, Corrosion Testing Results, 1185 West Sunset Boulevard, Los Angeles, California, File No. 20489.

Corrosion testing of the on-site soil was requested by the client. Soil samples were taken by Geotechnologies from several locations on the site. The samples were provided to the laboratory operated by Project X for testing and report preparation. A copy of the report by Project X, dated June 20, 2018 is included as Appendix G, Corrosion Evaluation Report.

Petra Geotechnical, Inc., Report dated October 7, 2004, Due diligence Geotechnical Evaluation, Proposed Residential Development, Approximately 2 ¾ acre site 1185 through 1247 West Sunset Boulevard, City of Los Angeles, California, Job Number J.N. 588-04.

This investigation included drilling 2 borings near the elevation of Sunset Boulevard. The borings identified alluvial soils and Puente Formation bedrock. No landslides were identified during the investigation. The boring locations are shown on the attached Geologic Map and the boring logs are attached to this report in Appendix A5, Excavation Logs.

GEOTECHNICAL EXPLORATION

FIELD EXPLORATION

The subsurface field investigation work was performed by Geotechnologies, Inc. in 2006, 2013, and 2016. Work was also performed by a previous consultant, in 2004. A total of 15 borings and 30 test pits have been excavated. The borings ranged in depth from 10 to 60 feet and were excavated with either a truck-mounted 8-inch diameter hollowstem auger or a truck mounted 24-inch diameter bucket auge drilling rigs.

Samples for the hollowstem auger were taken with an automatic trip hammer using a 140-pound weight dropped from a height of 30 inches. Samples for the 24-inch diameter bucket auger were taken with a telescoping kelley bar dropped from a height of 12 inches. Both sampling methods were collected in a California-modified, split-spoon sampler lined with 2.5-inch diameter brass rings.

The test pits were excavated using hand labor. The test pits were excavated approximately 30 inches square to a depth of 3 to 18 feet, then deepened to a depth ranging from 8 to 11 feet using a 5-inch diameter hand auger. Samples were taken using hand tools in a sampler lined with 2.5-inch diameter brass rings. Test Pit 1 was used to perform a percolation test (File No. 20489).

Test pits TP23 and TP24 were excavated with backhoe equipped with a 24-inch-wide bucket. Test pits TP9 through TP24 were excavated into a cut slope to remove talus covering the rock exposures. Due to their shallow depth, the test pits were only mapped for bedding orientations. The bedding orientations are represented on the attached Geologic Map. No test pit logs were prepared for these excavations.

The exploration locations are shown on the Geologic Map and the geologic materials encountered are in Appendix A. The location of exploratory excavations was determined by measurement from hardscape features shown on the Geologic Map. Elevations were determined by interpolation from the elevation contours shown on the map. The location and elevation of the exploratory excavations should be considered accurate only to the degree implied by the method used.

Geologic Materials

The geologic materials consist of artificial fill, colluvium, alluvium, and interbedded siltstone and sandstone bedrock of the Puente Formation. More detailed descriptions of the geologic materials are presented in the following paragraphs. The distribution of the geologic materials can be identified on the Geologic Map and Cross Sections A-A' through G-G'.

Fill

The fill consists of mixtures of clay, silt, sand and gravel that is dark brown, and yellowish brown, medium dense or firm, and moist. The fill was found to have some glass, wood and metal pieces. The fill was found to extend to a depth of 7 feet. The deepest fill is encountered along Sunset Boulevard and the southern end of the site.

Colluvium

Colluvium consists of silty clay and clayey silt that is dark brown to medium brown in color, moist, and firm. Near the base of the colluvium, gravel-sized fragments of the underlying siltstone bedrock are included. The deepest colluvium was identified in Test Pit 7 and was 6 feet thick (File No. 20489). The colluvium thins southward from Test Pit 5.

Alluvium

Alluvium consists of sandy silt and silty clay that is dark brown to medium brown in color, moist to wet, and has some gravel-sized siltstone fragments near the base of the deposit. The thickest alluvium was identified in Boring 4 (File No 19267) at 16 ½ feet. A nearby boring (Boring 2 by Petra Geotechnical) identified alluvium with a thickness of 12 feet. The alluvium is found primarily on the western part of the site along Sunset Boulevard.

Bedrock (Puente Formation)

The site is underlain by sedimentary bedrock of the Puente Formation. The bedrock consists of well bedded, clayey siltstone and sandstone that is yellow and grayish brown, and brown in color. The bedrock is also moist and moderately hard and moderately weathered to slightly weathered. The weathering diminishes with depth. Bedding is relatively uniform across the site, dipping from southeast to southwest from 16 to 36 degrees. An indication of a slight open fold was found near to the toe of the cut slope near Boring B3 (File No. 20489). The hard concretions were not identified in the bedrock. The attached Bedrock Contour Plan shows the bedrock elevations across the western portion of the site, along Sunset Boulevard and Everett Street.

Groundwater

Groundwater was encountered in all the borings drilled along Sunset Boulevard. Seepage occurred at depth of 9.3 feet to 24 feet. These depths correspond to elevations of 414.7 and 402.5, respectively. Groundwater was found at a similar elevation in the borings drilled by this firm in 2006.

In general, the ground water surface descends to the south, down Sunset Boulevard. The groundwater elevations range from 414 feet at the north end of the site to about 403 feet at the south end of the site. In general, water is approximately 9 feet below the ground surface. The water

is identified in the alluvium and in the joints and fractures in the bedrock. The ground water level is above the proposed basement finish floor elevation at both ends of the site.

Based on a review of the California Geological Survey Seismic Hazard Evaluation Report for the Hollywood 7.5-Minute Quadrangle (CDMG, 2006) indicates the historically highest groundwater level at the site is approximately 20 feet below the ground surface.

Water seepage into the excavations will occur primarily at the alluvium-bedrock contact, along Sunset Boulevard. The water will occur along a distinct zone above the contact. Some seepage may occur through fractures in the rock and along bedding planes in deeper excavation near Sunset Boulevard.

Caving

Caving could not be directly observed in the hollowstem auger borings due to the continuously cased design of the hollowstem auger borings.

Sloughing (or caving) was identified in Borings B6 and B7 (File No. 20489) located near the south end of the site. These borings were drilled with a rig equipped with a 24-inch diameter bucket auger. Caving of the boring walls was identified within 2 feet below the ground water level.

In general, caving is not anticipated above the groundwater level, or in unfractured Puente Formation bedrock. Caving was not encountered in the test pits.

Caving may occur in large diameter boring at or below the water level where the rock is highly fractured. Where sandy alluvium occurs below the groundwater level, raveling or light caving can be expected.

SEISMIC EVALUATION

REGIONAL GEOLOGIC SETTING

The Los Angeles Basin is located at the northern end of the Peninsular Ranges Geomorphic Province. The basin is bounded by the east and southeast by the Santa Ana Mountains and San Joaquin Hills, to the northwest by the Santa Monica Mountains. Over 22 million years ago the Los Angeles basin was a deep marine basin formed by tectonic forces between the North American and Pacific plates. Since that time, over 5 miles of marine and non-marine sedimentary rock as well as intrusive and extrusive igneous rocks have filled the basin. During the last 2 million years, defined by the Pleistocene and Holocene epochs, the Los Angeles basin and surrounding mountain ranges have been uplifted to form the present-day landscape. Erosion of the surrounding mountains has resulted in deposition of unconsolidated sediments in low-lying areas by rivers such as the Los Angeles River. Areas that have experienced subtle uplift have been eroded with gullies.

REGIONAL FAULTING

Based on criteria established by the California Division of Mines and Geology (CDMG) now called California Geologic Survey (CGS), faults may be categorized as active, potentially active, or inactive. Active faults are those which show evidence of surface displacement within the last 11,000 years (Holocene-age). Potentially-active faults are those that show evidence of most recent surface displacement within the last 1.6 million years (Quaternary-age). Faults showing no evidence of surface displacement within the last 1.6 million years are considered inactive for most purposes, with the exception of the design of some critical structures.

Buried thrust faults are faults without a surface expression but are a significant source of seismic activity. They are typically broadly defined based on the analysis of seismic wave recordings of hundreds of small and large earthquakes in the southern California area. Due to the buried nature of these thrust faults, their existence is usually not known until they produce an earthquake. The

risk for surface rupture potential of these buried thrust faults is inferred to be low (Leighton, 1990). However, the seismic risk of these buried structures in terms of recurrence and maximum potential magnitude is not well established. Therefore, the potential for surface rupture on these surface-verging splays at magnitudes higher than 6.0 cannot be precluded.

SEISMIC HAZARDS AND DESIGN CONSIDERATIONS

The primary geologic hazard at the site is moderate to strong ground motion (acceleration) caused by an earthquake on any of the local or regional faults. The potential for other earthquake-induced hazards was also evaluated including surface rupture, liquefaction, dynamic settlement, inundation and landsliding.

Surface Rupture

Surface rupture is defined as displacement of the ground surface which occurs along the trace of the causative fault during an earthquake. Based on research of available literature and results of site reconnaissance, no known active or potentially active faults underlie the subject site. In addition, the subject site is not located within an Earthquake Fault Zone (CGS, 2017). Based on these considerations, the potential for surface rupture at the subject site is considered low.

Liquefaction

Liquefaction is a phenomenon in which saturated silty to cohesionless soils below the groundwater table are subject to a temporary loss of strength due to the buildup of excess pore pressure during cyclic loading conditions such as those induced by an earthquake. Liquefaction-related effects include loss of bearing strength, amplified ground oscillations, lateral spreading, and flow failures.

The site is not in a potentially "Liquefiable" area (CGS, 2017). This determination is based on groundwater depth records, soil type, and distance to a fault capable of producing a substantial earthquake. The proposed structure will be supported in the siltstone bedrock of the Puente Formation. This rock will not liquefy due to its moderately hard consistency and it's long tectonic history.

Lateral Spreading

Lateral spreading is the most pervasive type of liquefaction-induced ground failure. Due to the moderately hard consistency of the bedrock, the potential for lateral spreading is remote.

Dynamic Dry Settlement

Seismically induced settlement or compaction of dry or moist, cohesionless soils can be an effect related to earthquake ground motion. Such settlements are typically most damaging when the settlements are differential in nature across the length of structures.

Due to the moderately hard consistency of the bedrock, the potential for dynamic dry settlement is considered remote.

Tsunamis, Seiches and Flooding

Tsunamis are large ocean waves generated by sudden water displacement caused by a submarine earthquake, landslide, or volcanic eruption. Review of the County of Los Angeles Flood and Inundation Hazards Map, Leighton (1990), indicates the site does not lie within the mapped tsunami inundation boundaries.

Seiches are oscillations generated in enclosed bodies of water which can be caused by ground shaking associated with an earthquake. Review of the County of Los Angeles Flood and Inundation Hazards Map, Leighton (1990), indicates the site does not lie within mapped inundation boundaries due to a seiche or a breached upgradient reservoir.

Landslides and Slope Stability

No landslides were noted on the available geologic maps of the site vicinity (Dibblee, 1989, and Lamar, 1970). Indications of deep-seated landslides were not noted during the current site investigation, previous site investigations or investigations by others. The bedding orientation on the west-facing slope is neutral to favorable with respect to the slope face with respect to slope stability. Therefore, the potential for landsliding is very low. However, south facing cuts will expose adversely oriented bedrock creating a potential unstable condition if the cut is made steeper than the dip of the bedding. Site specific stability analysis are presented in the section "Slope Stability Analyses" below.

Shallow-seated raveling was noted at the face of the slope cuts made to the north and east sides of the former structures. Indications of calving, such as cracks at the top of the cut, and talus at the toe of the slope were observed. No seeps, springs, or sites of lush vegetation, which can be associated with instability, were noted. Indications of surficial creep such as flexural folding in the test its exposing shallow bedrock or hummocky topography were noted.

SLOPE STABILITY ANALYSES

Slope stability calculations were performed to determine the factor of safety of the proposed cut on the west-facing slope. Slope stability calculations were performed along Cross Section B-B' and G-G' which are considered the most critical relative to the proposed cut.

The purpose of the slope stability analyses was to address the requirements of City of Los Angeles, Information Bulletin P/BC 2020-49. These sections represent the most critical sections in terms of slope inclination, bedding plane orientation, and surcharge to the slope by the proposed fill. Therefore, all other slopes of flatter gradient or lesser heights or more favorable geologic conditions are considered stable.

The procedure for the stability analyses conforms with the "Recommended Procedures for Implementation of California Division of Mines and Geology Special Publication 117 Guideline for Analyzing and Mitigating Landslide Hazards in California" (Blake, Hollingsworth, and Stewart, 2002). The analyses were performed using the computer program SLIDE2 by RocScience using Janbu's method for planar surfaces.

Proposed Slope Configuration

The proposed slope configuration is shown on the attached Grading Plan by Site Tech dated October 7, 2013. The slope was analyzed two steps. The first step considered only the upper part to the slope with the inclined cut face. The second part of the analysis considered the lower part of the slope that required the installation of tiebacks. For the pseudostatic analysis of the lower portion of the slope, the vertical load of the building was added. A distributed load of 1,100 psf was used.

A discussion of the parameters used in the stability analysis is presented below.

Soil Strength

The slope is comprised of colluvium, and the Puente Formation bedrock. The strength of the geologic materials was determined by performing direct shear tests at various normal loads. All of the samples were saturated prior to shearing. The displacement of each shear test was 0.25 inches and performed at a rate of 0.025 inches per minute. The strength across bedding was determined using shearing the rock once.

During downhole logging of the large-diameter borings (Borings 4 and 5), bag samples of fine grained rock were obtained for later laboratory testing. The samples were run through a No. 4 sieve and remolded to the density of the rock (at field moisture content) based on adjacent samples. The remolded sample samples were saturated prior to shearing. The samples then sheared at rate of 0.01 inches per minute for a total offset of 0.25 inches. The sample was realigned and re-sheared again for a total of 5 trials resulting a total offset of 1.25 inches for each sample. Similar sample processing and shear tests were performed on the remaining material from each bag at successively higher normal loads. The results of the laboratory testing showing the residual strength for each shear test are plotted on the attached Plate B-6.

The geologic material properties are presented in the A and B Plates of the report Appendix. It should be noted that the bedding dips to the south and southeast, which is favorable with respect to the proposed slope cut. The weakest shear envelope was drawn from the testing results and is shown and was used in the slope stability analyses and the wall pressure calculations where along bedding shear strengths was needed. A summary of the material strengths used in the analysis is tabulated below.

Table 1- Summary of Geologic Material Strengths Used in Stability Analysis

Geologic Material	Modeled Strength Characteristic	Moist Unit (pcf)	Saturated Unit (pcf)	Cohesion (pcf)	Angle of Internal Friction (degrees)
Alluvium	Isotropic	105	120	800	14
Compacted Fill	Isotropic	120	125	390	21
Colluvium	Isotropic	106	120	580	23
Puente Formation – Interbedded Siltstone and Sandstone, Slightly weathered	Anisotropic	120	125	530	25
				335 (0 to -4)[1] (0 to 4)[2]	20 (0 to -4)[1] (0 to 4)[2]

Note: [1] Denotes inclination for along bedding strength for Cross Section B-B' (in degrees)
[2] Denotes inclination for along bedding strength for Cross Section E-E' (in degrees)

Water

Seepage was encountered in borings and tests pits along Sunset Boulevard. No seepage was encountered in the borings or test pits excavated on the slope. Groundwater was modeled at elevation 410 feet and rises from the base of the proposed excavation to the east.

External Loads

An external pseudostatic load was applied to the Cross Sections B-B' and G-G' in the form of a seismic coefficient. The seismic coefficient was calculated using the Bray and Rathje procedure (1998) spreadsheet. The Probabilistic Seismic Hazard Analysis website calculator for a 475 year return period and a shear wave velocity of 560 m/s provided the Earthquake magnitude and distance. A magnitude 6.9 earthquake at a distance of 7.02 kilometers with a peak ground acceleration was returned. A pseudostatic seismic coefficient of 0.33 was calculated. The calculation sheets are attached to this report.

On Cross Section G-G', the adjacent single-story structure upslope of the site was modeled with load of 100 psf.

In the pseudostatic analyses of both Cross Sections where the lower portion of the slope is analyzed, the proposed structure was included with a load of 1,100 psf. The displacement of each shear test was 0.25 inches and performed at a rate of 0.025 inches per minute. The strength across bedding was determined using shearing the rock once. This load was added to the analysis since an earthquake event would most likely occur after the proposed structure is built.

Analysis Parameters

The stability analyses were performed using Bishop's simplified method to analyze curved failure surfaces and Janbu's method to analyze for bedding parallel (block-type) failures.

Results

The stability analyses indicated that the existing slope with proposed improvements has a factor of safety in excess of the City of Los Angeles, Department of Building and Safety minimum requirement of 1.5 for static conditions and 1.0 for pseudostatic conditions. The computer output files are included in the Appendix. The results are summarized below.

Table 2 – Results of Slope Stability Analyses

Cross Section	Analysis Type	Condition	Factor of Safety (Minimum Required)
B-B' Upper Slope, Cut	Bishop (curved)	Static	2.27 (1.50)
	Bishop (curved)	Pseudo-static	1.11 (1.00)
	Janbu (block)	Static	1.71 (1.50)
	Janbu (block)	Pseudo-static	1.02 (1.00)
B-B' Lower Slope, Tiebacks	Bishop (curved)	Static	1.96 (1.50)
	Bishop (curved)	Pseudo-static (Includes Building Load)	1.35 (1.00)
	Janbu (block)	Static	1.64 (1.50)
	Janbu (block)	Pseudo-static (Includes Building Load)	1.01 (1.00)

Cross Section	Analysis Type	Condition	Factor of Safety (Minimum Required)
G-G' Upper Slope, Cut	Bishop (curved)	Static	2.06 (1.5)
	Bishop (curved)	Pseudo-static	1.10 (1.00)
	Janbu (block)	Static	1.82 (1.50)
	Janbu (block)	Pseudo-static	1.01 (1.00)
G-G' Lower Slope, Tiebacks	Bishop (curved)	Static	2.31 (1.50)
	Bishop (curved)	Pseudo-static (Includes Building Load	1.29 (1.00)
	Janbu (block)	Static	1.83 (1.50)
	Janbu (block)	Pseudo-static (Includes Building Load)	1.02 (1.00)

Commentary on Slope Stability

Based on the results of the analyses, the proposed cut will require an inclination of 2 to 1 (horizontal to vertical). The proposed design calls for a terrace at elevation 439.5 feet. A retaining wall will be required at the toe of the cut slope at elevation 439.5'. A retaining wall up to 17 feet in height will be needed. The wall was modeled with cantilevered piles with a spacing of 8 feet and with a shear resistance of 160,000 lbs. Tiebacks may be used as an alternative support installation.

The proposed cut from the terrace (elevation 439.5 feet) to the proposed basement (elevation 409 feet) was modeled with 6 rows of tieback supports and an out-of-plane spacing of 6 feet. The tiebacks are modeled to be 100 feet long and have a tensile load of 200 kips each. The length of tiebacks was determined by the slope stability analysis. More details can be found in Appendix D– Slide 2 Printouts.

The north wall of the site has a nearly horizontal backslope as seen on Cross Section D-D'. This slope did not require a slope stability analysis. Lateral loads for this wall are provided in the shoring and retaining wall sections of this report.

Based on the analyses, the wall will require a cantilevered pile system. The piles used in the analysis extended to a depth of 20 feet below the ground surface. The final wall configuration will be designed by the shoring or structural engineer.

Surficial Stability

Under saturated conditions, the surficial soils (fill and colluvium) have a factor of safety of 2.74. This value is above the minimally acceptable value of 1.5.

Oil Wells

The site is located approximately 600 feet north of the City of Los Angeles Oil field, (Lamar, 1970). According to the Oil Well Location Map for the City of Los Angeles, Oil Field, (DOGGR, 2001), no oil wells have been drilled on the site.

Methane

The site is within a City of Los Angeles, designated Methane Zone according to the Methane Risk Zone Map by the City of Los Angeles, Department of Public Works, (2003). A qualified methane expert should be retained to identify the presence of methane seepage at the site.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the exploration, laboratory testing, and research, it is the finding of Geotechnologies, Inc. that construction of the proposed apartment structure is considered feasible from a geotechnical engineering standpoint provided the advice and recommendations presented herein are followed and implemented during construction.

The site is underlain by a thin cover of fill soil over much of the site. The fill may extend locally to 10 feet in depth at the southern building corner. The fill soil located adjacent to Sunset Boulevard, is underlain by alluvial soils consisting of silty clay to sandy silt that extends to a depth of as great as 18.5 feet. The alluvium is deepest at the southern portion of the site along Sunset Boulevard. Up to 4 feet of colluvium consisting of silty clay is found in the undeveloped portion of the slope. Bedrock consisting of well bedded clayey siltstone and sandstone of the Tertiary-age Puente Formation that underlies the site. The bedrock is exposed in the steep cuts on the east side of the site. The bedrock is moderately hard and moderately weathered. Bedding dips from 16 to 40 degrees to the southeast and southwest. No faults were identified in the rock.

Water was identified in several borings between depths of 9.3 and 17.5 feet. Water was identified in the earlier investigations at depths of 9 and 24 feet. It is the recommendation of this firm that the structure is designed for groundwater at a depth of 10 feet below the ground surface as measured at the adjacent sidewalk elevation.

The existing fill soils and alluvium are not suitable for support of the proposed structure. The proposed basement excavation will remove all of the fill on the north end of the structure, and will expose the bedrock.

The proposed structure should be supported on conventional foundations or a mat foundation bearing in the bedrock. If the structure will have a hydrostatic design, a mat foundation should be used.

The southern half of the structure will expose alluvium and fill soils. Deepened foundations or cast-in-place drilled friction piles may be used where the depth to bedrock is greater than 5 feet. A combination of conventional foundations, mat foundation or friction piles may be used as long as all foundation types are supported in the bedrock. The finish floor slab may be designed and constructed as a conventional slab where the slab is above the ground water surface. Where the finish floor is below the groundwater surface, the slab must be designed to accommodate the hydrostatic uplift. Where the hydrostatic pressure is too great for a structural slab, a mat foundation may be used.

The slab must be supported by a single, unform, geologic material, such as bedrock or a compacted fil blanket. The slab may not be supported by a combination of geologic materials (fill, alluvium, or bedrock). Where the slab is not supported by the bedrock, all of the existing fill must be removed and compacted. In addition, the other geologic materials must be removed and compacted to create a 2 foot this fill blanket. As an alternative, a structural slab may be used that is supported by the footings bearing in the bedrock.

Groundwater will be encountered at the bedrock-alluvium contact along Sunset Boulevard. The rate of flow should not require pre-construction dewatering or pumping. The water may be captured by allowing it to seep through the lagging and be directed to a sump or french drain. To better identify groundwater elevation on the site prior to construction, monitoring wells may be installed at the north and south ends of the site, near Sunset Boulevard.

The slope stability calculations required leaving the terrace in place at the top of the slope near Cross Section E-E'. The terrace should be regarded to include a 2-foot thick layer of relatively-impermeable soil to prevent infiltration. The layer should be graded so that water flows toward the face of the slope and is near elevation 486 feet. The over steepened slope on the east side of the terrace should be supported with a retaining wall or permanent shoring. The top of the new cut should be set back from the property no greater than 10 feet from the property line. Clarification of the required setback for the exiting cut shown on Cross Section E-E' should be obtained from the building official.

V-ditches will be required at the top, mid-height, and toe of the proposed cut slope with appropriate downdrains. The slope must be planted with erosion resistant ground cover. Approved shrubs will also be necessary.

Foundations for small outlying structures, such as property line walls, which will not be tied-in to the proposed apartment building, may be supported on conventional foundations bearing in bedrock or alluvium.

A stormwater infiltration system is not feasible on this site due to the occurrence of water at a depth of 9 feet along Sunset Boulevard and the construction of at least 1 subterranean level along Sunset Boulevard. The proposed subterranean levels will likely be in contact with the water, leaving no room for infiltration. Some other means of Stormwater infiltration should be implemented.

SEISMIC DESIGN CONSIDERATIONS

2022 California Building Code Seismic Parameters

Based on information derived from the subsurface investigation, the subject site is classified as Site Class C, which corresponds to a "Very Dense Soil or Soft Rock" Profile, according to Table 1613.5.2 of the 2019 California Building Code. This information and the site coordinates were input into the USGS Ground Motion Parameter Calculator (Version 5.1.0) to calculate the Maximum Considered Earthquake (MCE) Ground Motions for the site. The Maximum Considered Earthquake Ground motions are equivalent to the 2475-year recurrence interval ground motions adjusted by a deterministic limit.

Table 3 – 2022 California Building Code Seismic Parameters

Site Class	C
Mapped Spectral Acceleration at Short Periods (S_S)	2.025g
Site Coefficient (F_a)	1.2
Maximum Considered Earthquake Spectral Response for Short Periods (S_{MS})	2.429g
Five-Percent Damped Design Spectral Response Acceleration at Short Periods (S_{DS})	1.62g
Mapped Spectral Acceleration at One-Second Period (S_1)	0.722g
Site Coefficient (F_v)	1.4
Maximum Considered Earthquake Spectral Response for One-Second Period (S_{M1})	1.011g
Five-Percent Damped Design Spectral Response Acceleration for One-Second Period (S_{D1})	0.674g

FILL SOILS

The maximum depth of fill encountered on the site was 6 feet in Boring B2 as part of an earlier investigation by this firm File No. 19267. It is estimated that fill soil in localized areas may reach a depth of 10 feet. The fill may also be removed and recompacted as controlled fill at the southern end of the site.

EXPANSIVE SOILS

The onsite geologic materials are in the moderate to high expansion range. The Expansion Index was found to be 54 for bulk samples for alluvium and 110 for bedrock samples remolded to 90 percent of the laboratory maximum density. Reinforcing beyond the minimum required by the City of Los Angeles Department of Building and Safety is not required.

WATER-SOLUBLE SULFATES

The Portland cement portion of concrete is subject to attack when exposed to water-soluble sulfates. Usually the two most common sources of exposure are from soil and marine environments.

The source of natural sulfate minerals in soils include the sulfates of calcium, magnesium, sodium, and potassium. When these minerals interact and dissolve in subsurface water, a sulfate concentration is created, which will react with exposed concrete. Over time sulfate attack will destroy improperly proportioned concrete well before the end of its intended service life.

The water-soluble sulfate content of the onsite geologic materials was tested by California Test 417. The water-soluble sulfate content was determined to be less than 0.1% percentage by weight for the soils tested. Based on American Concrete Institute (ACI) Standard 318-08, the sulfate exposure is considered to be negligible for geologic materials with less than 0.1% and Type I cement may be utilized for concrete foundations in contact with the site soils.

In 2018, this firm obtained 3 samples of the bedrock from various exposures on the site using hand tools. The samples were sent to an outside laboratory, Project X, for testing and corrosion recommendations.

The results of soil corrosion potential testing performed by Project X indicate that the electrical resistivities of the soils are corrosive to general metals. Soil pH values of the samples were 8.6 and are considered to not be detrimental of copper or aluminum alloys. Corrosion of steel and iron is possible. Sulfate concentrations ranged between 210 mg/kg to 240 mg/kg. This concentration is considered low and any type of cement can be used where in contact with the bedrock.

The City of Los Angeles, Department of Building and Safety permits the use of PVC pipe where the underlying soil is identified to be corrosive toe stee or cast iron pipes. The report identifies that the on-site soils have high soil resistivity and pH and are corrosive to general metals, steel and iron. The reader is directed to the report for discussion of the results and recommendations for corrosion protection. The report by Project X, is included in Appendix G, Corrosion Evaluation Report.

GRADING GUIDELINES

Site Preparation

- A thorough search should be made for possible underground utilities and/or structures. Any existing or abandoned utilities or structures located within the footprint of the proposed grading should be removed or relocated as appropriate.

- All vegetation, existing fill, and soft or disturbed geologic materials should be removed from the areas to receive controlled fill. All existing fill materials and any disturbed geologic materials resulting from grading operations shall be completely removed and properly recompacted prior to foundation excavation.

- Any vegetation or associated root system located within the footprint of the proposed structures should be removed during grading.

- Subsequent to the indicated removals, the exposed grade shall be scarified to a depth of six inches, moistened to optimum moisture content, and recompacted in excess of the minimum required comparative density.

- The excavated areas shall be observed by the geotechnical engineer prior to placing compacted fill.

Recommended Overexcavation

If the structure will be designed with a structural joint at the transition between a bedrock supported portion and the fill supported portion, the fill supported portion shall be excavated to a minimum depth of 3 feet below the bottom of all foundations.

Compaction

The City of Los Angeles Department of Building and Safety requires a minimum comparative compaction of 95 percent of the laboratory maximum density where the soils to be utilized in the fill have less than 15 percent finer than 0.005 millimeters. The soils tested by this firm would not require the 95 percent compaction requirement.

Comparative compaction is defined, for purposes of these guidelines, as the ratio of the in-place density to the maximum density as determined by applicable ASTM testing.

All fill should be mechanically compacted in layers not more than 8 inches thick. All fill shall be compacted to at least 90 percent of the maximum laboratory density for the materials used. The maximum density shall be determined by the laboratory operated by Geotechnologies, Inc. using the test method described in the most recent revision of ASTM D 1557.

Field observation and testing shall be performed by a representative of the geotechnical engineer during grading to assist the contractor in obtaining the required degree of compaction and the proper moisture content. Where compaction is less than required, additional compactive effort shall be made with adjustment of the moisture content, as necessary, until a minimum of 90 percent compaction is obtained.

Acceptable Materials

The excavated onsite materials are considered satisfactory for reuse in the controlled fills as long as any debris and/or organic matter is removed.

Clayey soils should be selectively used for the 2-foot-thick cap near the top of the slope. The purpose of the cap is to prevent the infiltration of water into the bedrock.

Any imported materials shall be observed and tested by the representative of the geotechnical engineer prior to use in fill areas. Imported materials should contain sufficient fines so as to be relatively impermeable and result in a stable subgrade when compacted. Any required import materials should consist of geologic materials with an expansion index of less than 50. The water-soluble sulfate content of the import materials should be less than 0.1% percentage by weight.

Imported materials should be free from chemical or organic substances which could affect the proposed development. A competent professional should be retained in order to test imported materials and address environmental issues and organic substances which might affect the proposed development.

Utility Trench Backfill

Utility trenches should be backfilled with controlled fill. The utility should be bedded with clean sands at least one foot over the crown. The remainder of the backfill may be onsite soil compacted to 90 percent of the laboratory maximum density. Utility trench backfill should be tested by representatives of this firm in accordance with the most recent revision of ASTM D-1557.

Wet Soils

At the time of exploration the soils which will be excavated from the subterranean portion below Sunset Boulevard were well above optimum moisture content. Bedrock from the slope, above the elevation of Sunset Boulevard were near optimum moisture content. It is anticipated that the excavated material to be placed as compacted fill, and the materials exposed at the bottom of excavated plane will require significant drying and aeration prior to recompaction. It is recommended that bedrock excavated from the slope cut be selectively stockpiled for reuse as fill during backfilling procedures.

Pumping (yielding or vertical deflection) of the high-moisture content soils at the bottom of the excavation may occur during operation of heavy equipment in the areas underlain by alluvium (the southern half). Where pumping is encountered, angular minimum ¾-inch gravel should be placed and worked into the subgrade. The exact thickness of the gravel would be a trial and error procedure, and would be determined in the field. It would likely be on the order of 1 to 2 feet thick.

The gravel will help to densify the subgrade as well as function as a stabilization material upon which heavy equipment may operate. It is not recommended that rubber tire construction equipment attempt to operate directly on the pumping subgrade soils prior to placing the gravel. Direct operation of rubber tire equipment on the soft subgrade soils will likely result in excessive disturbance to the soils, which in turn will result in a delay to the construction schedule since those disturbed soils would then have to be removed and properly recompacted. Extreme care should be utilized to place gravel as the subgrade becomes exposed.

Shrinkage

Shrinkage results when a volume of soil removed at one density is compacted to a higher density. A shrinkage factor of 5 percent should be anticipated when excavating and recompacting the bedrock to an average comparative compaction of 92 percent.

Weather Related Grading Considerations

When rain is forecast all fill that has been spread and awaits compaction shall be properly compacted prior to stopping work for the day or prior to stopping due to inclement weather. These fills, once compacted, shall have the surface sloped to drain to an area where water can be removed.

Temporary drainage devices should be installed to collect and transfer excess water to the street in non-erosive drainage devices. Drainage should not be allowed to pond anywhere on the site, and especially not against any foundation or retaining wall. Drainage should not be allowed to flow uncontrolled over any descending slope.

Work may start again, after a period of rainfall, once the site has been reviewed by a representative of this office. Any soils saturated by the rain shall be removed and aerated so that the moisture content will fall within three percent of the optimum moisture content.

Surface materials previously compacted before the rain shall be scarified, brought to the proper moisture content and recompacted prior to placing additional fill, if considered necessary by a representative of this firm.

Abandoned Seepage Pits

No abandoned seepage pits were encountered during exploration and none are known to exist on the site. However, should such a structure be encountered during grading, options to permanently abandon seepage pits include complete removal and backfill of the excavation with compacted fill, or drilling out the loose materials and backfilling to within a few feet of grade with slurry, followed by a compacted fill cap.

If the subsurface structures are to be removed by grading, the entire structure should be demolished. The resulting void may be refilled with compacted soil. Concrete and brick generated during the seepage pit removal may be reused in the fill if all fragments are less than 6 inches in longest dimension and the debris comprises less than 15 percent of the fill by volume. All grading should comply with the recommendations of this report.

Where the seepage pit structure is to be left in place, the seepage pits should be cleaned of all soil and debris. This may be accomplished by drilling. The pits should be filled with minimum 1-1/2 sack concrete slurry to within 5 feet of the bottom of the proposed foundations. In order to provide a more uniform foundation condition, the remainder of the void should be filled with controlled fill.

Geotechnical Observations and Testing During Grading

Geotechnical observations and testing during grading are considered to be a continuation of the geotechnical investigation. It is critical that the geotechnical aspects of the project be reviewed by representatives of Geotechnologies, Inc. during the construction process. Compliance with the design concepts, specifications or recommendations during construction requires review by this firm during construction. Any fill which is placed should be observed, tested, and verified if used for engineering purposes. Please advise this office at least twenty-four hours prior to any required site visit.

LEED Considerations

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System encourages adoption of sustainable green building and development practices. Credit for LEED Certification can be assigned for reuse of construction waste and diversion of materials from landfills in new construction.

To provide the design team with a viable option in this regard, demolition debris could be crushed onsite in order to use it in the ongoing grading operations. The environmental ramifications of this option, if any, should be considered by the team.

The demolition debris should be limited to concrete, asphalt, and other non-deleterious materials. All deleterious materials should be removed including, but not limited to, paper, garbage, ceramic materials, and wood.

For structural fill applications, the materials should be crushed to 2 inches in maximum dimension or smaller. The crushed materials should be thoroughly blended and mixed with onsite soils prior to placement as compacted fill. The amount of crushed material should not exceed 20 percent. The blended and mixed materials should be tested by this office prior to placement to insure it is suitable for compaction purposes. The blended and mixed materials should be tested by Geotechnologies, Inc. during placement to ensure that they have been compacted in a suitable manner.

Hillside Grading Issues

A clay cap fill will be necessary at the top of the slope as shown by Cross Section E-E'. The cap should be at least 2 feet thick and not extended higher than elevation 486. The cap surface should flow toward the face of the slope, so water does not accumulate. A V-ditch will be required at the brow of the slope to prevent water from flowing over the slope face.

A minimum compaction of 90 percent out to the finish face of fill slopes will be required. Compaction on slopes may be achieved by overbuilding the slope and cutting back to the compacted core or by direct compaction of the slope face with suitable equipment. Direct compaction on the slope faces shall be accomplished by backrolling the slopes in three foot to four foot increments of elevation gain.

FOUNDATION DESIGN

Conventional

Conventional foundations shall bear in the siltstone and sandstone bedrock. All conventional foundations for each side of the structure must bear in the same material.

For smaller structurally independent portion of the development, conventional foundations bearing in compacted fill, which in turn bears on dense alluvium or bedrock may be utilized.

Foundations in Bedrock

Continuous foundations in bedrock may be designed for a bearing capacity of 4,500 pounds per square foot, and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade and 18 inches into the recommended bearing material.

Column foundations may be designed for a bearing capacity of 5,000 pounds per square foot, and should be a minimum of 24 inches in width, 18 inches in depth below the lowest adjacent grade and 18 inches into the recommended bearing material.

The bearing capacity increase for each additional foot of width is 100 pounds per square foot. The bearing capacity increase for each additional foot of depth is 400 pounds per square foot. The maximum recommended bearing capacity is 7,000 pounds per square foot.

The bearing capacities indicated above are for the total of dead and frequently applied live loads and may be increased by one third for short duration loading, which includes the effects of wind or seismic forces.

Foundations in Compacted Fill

Foundations in compacted fil may be used only for improvement structurally isolated from the main building that is anticipated to be supported on the bedrock.

Continuous foundations in compacted fill that extends at least 2 feet below the proposed footings, may be designed for a bearing capacity of 2,500 pounds per square foot, and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade and 18 inches into the recommended bearing material.

Column foundations may be designed for a bearing capacity of 3,000 pounds per square foot, and should be a minimum of 24 inches in width, 18 inches in depth below the lowest adjacent grade and 18 inches into the recommended bearing material.

The bearing capacity increase for each additional foot of width is 50 pounds per square foot. The bearing capacity increase for each additional foot of depth is 250 pounds per square foot. The maximum recommended bearing capacity is 4,000 pounds per square foot.

The bearing capacities indicated above are for the total of dead and frequently applied live loads, and may be increased by one third for short duration loading, which includes the effects of wind or seismic forces.

Miscellaneous Foundations

Conventional foundations for structures such as privacy walls or trash enclosures which will not be rigidly connected to the proposed apartment structure may bear in bedrock or alluvial soils. Continuous footings may be designed for a bearing capacity of 1,500 pounds per square foot, and should be a minimum of 12 inches in width, 18 inches in depth below the lowest adjacent grade and 18 inches into the recommended bearing material. No bearing capacity increases are recommended.

Since the recommended bearing capacity is a net value, the weight of concrete in the foundations may be taken as 50 pounds per cubic foot and the weight of the soil backfill may be neglected when determining the downward load on the foundations.

Foundation Reinforcement

All foundations should be reinforced with a minimum of four #4 steel bars. Two should be placed near the top of the foundation, and two should be placed near the bottom.

Lateral Design

Resistance to lateral loading may be provided by friction acting at the base of foundations and by passive geologic pressure. An allowable coefficient of friction of 0.3 may be used with the dead load forces in the bedrock. An allowable coefficient of friction of 0.3 may be used with the dead load forces in the compacted fill blanket .

Passive geologic pressure for the sides of foundations poured against undisturbed bedrock or compacted fill soil may be computed as an equivalent fluid having a density of 350 pounds per cubic foot with a maximum earth pressure of 3500 pounds per square foot.

When combining passive and friction for lateral resistance, the passive component should be reduced by one third. A one-third increase in the passive value may be used for wind or seismic loads.

Foundation Settlement

Settlement of the foundation system is expected to occur on initial application of loading. The maximum settlement is expected to be ¼ inch in the bedrock and occur below the heaviest loaded columns. Differential settlement is not expected to exceed 1/4 inch.

The maximum settlement is expected to be ¾ inch in the fill and occur below the heaviest loaded columns. Differential settlement is not expected to exceed 1/2 inch.

Foundation Observations

It is critical that all foundation excavations are observed by a representative of this firm to verify penetration into the recommended bearing materials. The observation should be performed prior to the placement of reinforcement. Foundations should be deepened to extend into satisfactory geologic materials, if necessary.

Foundation excavations should be cleaned of all loose soils prior to placing steel and concrete. Any required foundation backfill should be mechanically compacted, flooding is not permitted.

FOUNDATION DESIGN - FRICTION PILES

Vertical Capacities

A deepened foundation system consisting of friction piles may be utilized for support of the southern half of the proposed structure where the depth to bedrock is too great to be reached with deepened foundations. The capacities of drilled cast-in-place piles are shown on the enclosed "Friction Pile Capacity Calculations" chart. Capacities based on dead plus live load are indicated. A one-third increase may be used for transient loading such as wind or seismic forces. The capacities presented are based on the strength of the bedrock. The compressive and tensile strength of the pile sections should be checked to verify the structural capacity of the piles.

Piles in groups should be spaced at least 2-1/2 diameters on center. If the piles are so spaced, no reduction in the downward or upward capacities need be considered due to group action.

Lateral Design

Lateral loads may be resisted by the piles, and by the passive resistance of the soils against the pile caps. The passive resistance of the existing soils against pile caps and grade beams may be assumed to be equal to the pressure developed by a fluid with a density of 350 pounds per cubic foot. A one-third increase in this value may be used for wind or seismic loads. The resistance of the piles and the passive resistance of the soils against pile caps and grade beams may be combined without reduction in determining the total lateral resistance.

Analyses of the proposed piles using a varying shear load were performed using the program RSPile (Version 3.005) by RocScience. The results of the analysis are attached to this report. The printouts show the calculated shear, moment, and deflection of the proposed piles. Scenarios where the bedrock is at the ground surface and at 10 feet deep were analyzed. The analyses were performed for 24-inch, 30-inch, and 36-inch drilled, cast-in-place friction piles. Assumed as part of these lateral capacity calculations are:

- A Free Head Condition
- A concrete shear strength (f'c) of 4,000 psi
- Lateral deflection of ½ inch

If any of these assumptions are not valid, please contact this firm and a modified analysis can be performed. The printouts from the RSPile program are included in Appendix E, RSPile Printouts.

Pile Installation

Due to the moderately hard consistency of the bedrock and the cohesive composition of the alluvium encountered during exploration, caving is not anticipated during drilling of the proposed piles above the water table. Some caving should be anticipated below the water level and near the alluvium-bedrock contact. Where the bottom of the proposed piles will be below the water level, casing or the use of drilling mud will be required in order to achieve the required depth and

maintain an open hole to allow the placement of the steel and concrete. If casing is used, extreme care should be employed so that the pile is not pulled apart as the casing is withdrawn. At no time should the distance between the surface of the concrete and the bottom of the casing be less than 5 feet.

Piles placed below the water level require the use of a tremie to place the concrete into the bottom of the hole. A tremie shall consist of a water-tight tube having a diameter of not less than 4 inches and be delivered with a concrete pump. The tube shall be equipped with a valve that will close the discharge end and prevent water from entering the tube while it is being charged with concrete. The tremie shall be supported so as to permit free movement of the discharge end over the entire top surface of the work and to permit rapid lowering when necessary to retard or stop the flow of concrete. The discharge end shall be closed at the start of the work to prevent water entering the tube and shall be entirely sealed at all times, except when the concrete is being placed. The tremie tube shall be kept full of concrete. The flow shall be continuous until the work is completed and the resulting concrete seal shall be monolithic and homogeneous. The tip of the tremie tube shall always be kept about five feet below the surface of the concrete and definite steps and safeguards should be taken to ensure that the tip of the tremie tube is never raised above the surface of the concrete.

Closely spaced piles should be drilled and filled alternately, with the concrete permitted to set at least overnight before drilling an adjacent hole. Pile excavations should be filled with concrete as soon after drilling and inspection as possible; the shafts should not be left open overnight.

Settlement

The maximum settlement of pile-supported foundations is not expected to exceed ¼ inch. Differential settlement is expected to be negligible.

FOUNDATION DESIGN - MAT FOUNDATION

Mat Foundation

A mat foundation is recommended where hydrostatic pressure caused by groundwater exceeds the capability of a structural slab, a mat foundation may be used. The mat should be supported exclusively by the bedrock. The bottom of the mat foundation should extend a minimum of 18 inches in depth below the lowest adjacent grade. An allowable bearing pressure of 5,000 pounds per square foot, with locally higher pressures up to 8,000 pounds per square foot may be utilized in the mat foundation design. The mat foundation may be designed utilizing a modulus of subgrade reaction of 350 pounds per cubic inch. This value is a unit value for use with a one-foot square footing. The modulus should be reduced in accordance with the following equation when used with larger foundations.

$$K = K_1 * [(B + 1) / (2 * B)]^2$$

where K = Reduced Subgrade Modulus
K1 = Unit Subgrade Modulus
B = Foundation Width (feet)

Lateral Design for Mat Foundation

Resistance to lateral loading may be provided by soil friction, and by the passive resistance of the soils. A coefficient of friction of 0.3 may be used with the dead load forces between footings and the underlying supporting soils.

Passive earth pressure for the sides of footings poured against undisturbed soil may be computed as an equivalent fluid having a density of 350 pounds per cubic foot, with a maximum earth pressure of 3,500 pounds per square foot. When combining passive and friction for lateral resistance, the passive component should be reduced by one third. A one-third increase in the passive value may be used for wind or seismic loads. A minimum safety factor of 2 has been utilized in determining the allowable passive pressure.

Foundation Settlement

The majority of the foundation settlement is expected to occur on initial application of loading. The maximum settlement is not expected to exceed approximately ½ inch, and will occur below the most heavily loaded area of the mat foundation. Differential settlement is not expected to exceed ¼ inch across a distance of 30 feet.

Building Setback

The City of Los Angeles Building Code requires that the foundations be set back horizontally from the retaining wall, located at the toe of the adjacent ascending slopes. The required setback corresponds to a horizontal distance equal to one-half of the vertical height of the slope above the retaining wall, with a minimum distance of 3 feet and a maximum distance of 15 feet.

RETAINING WALL DESIGN

The lateral loads on retaining walls will reflect the orientation of bedding exposed in the cuts. The east, south and west wall excavations will expose neutrally-oriented siltstone and sandstone rock. The north wall will expose daylighted bedding, and as a result, the lateral loads will be higher. The east wall will have a surcharge imposed by the ascending slope and as a result the loads will be higher as well. Due to the number of combination of slope geometries and conditions, not all possible loads combinations are presented. If another condition is needed, please contact this office.

Cantilever Retaining Walls

Retaining walls supporting a level backslope may be designed utilizing a triangular distribution of active pressure in accordance the following table.

In addition to the recommended lateral earth pressure, the upper ten feet of the retaining wall adjacent to streets, driveways or parking areas should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pounds per square foot surcharge behind the walls due to normal street traffic. If the traffic is kept back at least ten feet from the retaining walls, the traffic surcharge may be neglected.

Restrained Drained Retaining Walls

Restrained retaining walls may be designed to resist a triangular pressure distribution with loads as identified in the table below. Additional earth pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent structures.

Table 4 – Cantilever Retaining Wall Pressures, Drained

HEIGHT (feet)	EQUIVALENT FLUID PRESSURE (Active) - Drained	
	East Wall, South Wall and West Wall (along Sunset Boulevard) Neutral Bedding (pounds per cubic foot)	North Wall (Adverse Bedding) (pounds per cubic foot)
Up to 25	30	47
25 to 35	36	54

Table 5 – Cantilever Retaining Wall Pressures, Undrained

HEIGHT (feet)	EQUIVALENT FLUID PRESSURE (Active) - Hydrostatic	
	East Wall, South Wall and West Wall (along Sunset Boulevard) Neutral Bedding (pounds per cubic foot)	North Wall (Adverse Bedding) (pounds per cubic foot)
Up to 25	66	76
25 to 35	71	80.5

For this equivalent fluid pressure to be valid, walls which are to be restrained at the top should be backfilled prior to the upper connection being made. Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent structures.

All walls retaining an ascending slope should maintain a minimum of 2 feet of freeboard. In addition, a concrete swale at least 2 feet in width shall be provided behind the proposed retaining walls to aid in facilitating drainage. Drainage shall be collected and discharged to an acceptable drainage area.

Restrained Retaining Walls, Drained

Restrained retaining walls may be designed to resist a triangular pressure distribution with loads as identified in the figure below. Additional earth pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent structures.

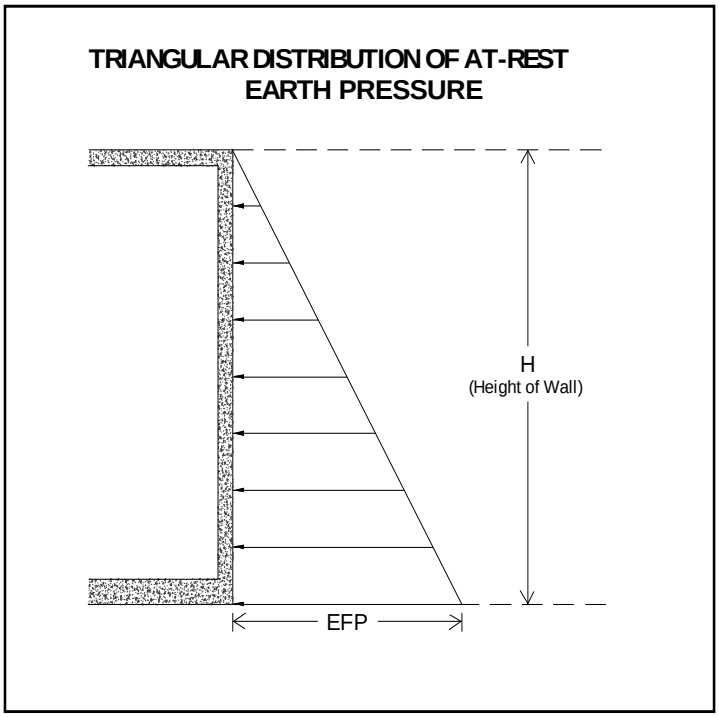


Table 6 - Restrained Retaining Wall Pressures - Drained

HEIGHT (feet)	EQUIVALENT FLUID PRESSURE (At Rest)	
	East Wall, South Wall and West Wall (along Sunset Boulevard) Wall Neutral Bedding (pounds per cubic foot)	North Wall Adverse Bedding) (pounds per cubic foot)
Up to 35	69	-
Up to 65	-	79

The lateral earth pressures recommended above for retaining walls assume that a permanent drainage system will be installed so that external water pressure will not be developed against the walls.

The lateral earth pressures recommended above for retaining walls assume that a permanent drainage system will be installed so that external water pressure will not be developed against the walls. Also, where necessary, the retaining walls should be designed to accommodate any surcharge pressures that may be imposed by existing buildings on the adjacent property.

Restrained Retaining Walls, Undrained (Hydrostatic)

Restrained retaining walls may be designed to resist a triangular pressure distribution of at-rest earth pressure and hydrostatic pressure as indicated in the diagram below. The values below include the hydrostatic pressure surcharge.

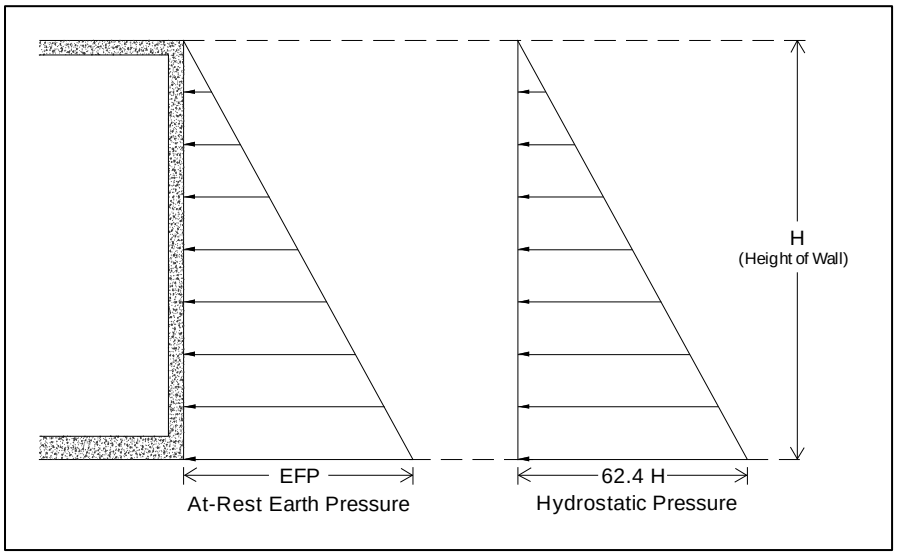


Table 7 - Restrained Retaining Wall Pressures – Hydrostatic

HEIGHT (feet)	EQUIVALENT FLUID PRESSURE (At Rest)	
	East Wall, South Wall and West Wall (along Sunset Boulevard) Wall Neutral Bedding (pounds per cubic foot)	North Wall Adverse Bedding) (pounds per cubic foot)
Up to 35	97	-
Up to 65	-	102

Retaining Wall Drainage

Subdrains may consist of 4-inch diameter perforated pipes, places with perforated facing down. The pipe shall be encased in at least one foot of gravel around the pipe. The gravel shall be wrapped in filter fabric. The gravel may consist of three-quarter inch to one-inch crushed rock. As an alternative, the use of gravel pockets and weepholes is an acceptable drainage method. Weepholes shall be a minimum of 2 inches in diameter, placed at 8 feet on center along the base of the wall. Gravel pockets shall be a minimum of 1 cubic foot in dimension, and may consist of three-quarter inch to once inch crushed rock, wrapped in non-decomposable filter fabric.

Certain types of subdrain pipe are not acceptable to the various municipal agencies, it is recommended that prior to purchasing subdrainage pipe, the type and brand is cleared with the proper municipal agencies. Subdrainage pipes should outlet to an acceptable location.

Where retaining walls are to be constructed adjacent to property lines there is usually not enough space for emplacement of a standard pipe and gravel drainage system. Under these circumstances, the use of a flat drainage product is acceptable. Some municipalities do not allow the use of flat-drainage products. The use of such a product should be researched with the building official.

Rock Pockets

Where shoring will not allow the installation of a standard subdrainage system outside the wall, rock pockets may be utilized. The rock pockets with should drain through the wall. The pockets should be a minimum of 12 inches in length, width and depth. The pocket should be filled with gravel. The rock pockets should be no more than 8 feet on center. A collector is placed within the gravel which directs collected waters through the wall to a sump or standard pipe and gravel system constructed under the slab. This method should be approved by the retaining wall designer prior to implementation.

Sump Pump Design

The purpose of the recommended retaining wall backdrainage system is to relieve hydrostatic pressure. Groundwater was encountered during exploration at a depth of 15 feet. The purpose of a retaining wall backdrainage system is to relieve hydrostatic pressure.

Based on these considerations the retaining wall backdrainage system is not expected to experience some flow of water, and in particular, no groundwater will affect it. However, for the purposes of design, a flow of 10 gallons per minute may be assumed.

Dynamic (Seismic) Earth Pressure

Retaining walls exceeding 6 feet in height shall be designed to resist the additional earth pressure caused by seismic ground shaking. A triangular pressure distribution should be utilized for the additional seismic loads, with an equivalent fluid pressure of 28.2 pounds per cubic foot. When using the load combination, the greater of the sum of the seismic earth pressure and the active pressure or the at-rest pressure should be used for that depth interval. The comparison is made in the following tables. Note the values below do not include the surcharge caused by the ascending east slope.

Table 8 – Seismic Pressure Values, Favorable Bedding, Drained

WALL PRESSURE INCLUDING SEISMIC PRESSURE Favorable Bedding, Drained Conditions (All Pressure Distributions are Triangular)			
Wall Height (feet)	**Active pressure (pcf)**	**Active + Seismic (pcf)**	**At-Rest (pcf)**
Up to 25	30	(30+28.2)= 58	69*
25 to 35	36	64	69*
35 to 45	42	70*	69
45 to 55	45	73*	69
55 to 65	48	76*	69

Note: * denotes value to be used in design

Table 9 – Seismic Wall Pressure Values – Favorable Bedding, Undrained (Hydrostatic)

WALL PRESSURE INCLUDING SEISMIC PRESSURE Favorable Bedding, Undrained (Hydrostatic) Conditions (All Pressure Distributions are Triangular)			
Wall Height (feet)	**Active Pressure +Hydrostatic (pcf)**	**Active + Hydrostatic + Seismic (pcf)**	**At-Rest +Hydrostatic (pcf)**
Up to 25	(3+63) = 66	(66+28.2)=94	98*
25 to 35	(13+63)=76	(76+28.2)=104*	98

Note: * denotes value to be used in design

Table 10 – Seismic Pressure Values, Daylighted Bedding, Drained

WALL PRESSURE INCLUDING SEISMIC PRESSURE Daylighted Bedding, Drained Conditions (All Pressure Distributions are Triangular)			
Wall Height (feet)	**Active pressure (pcf)**	**Active + Seismic (pcf)**	**At-Rest (pcf)**
Up to 25	47	(47+28.2)= 75	79*
25 to 35	54	82*	79
35 to 45	58	86*	79
45 to 55	61	89*	79
55 to 65	63	91*	79

Note: * denotes value to be used in design

Table 11 – Seismic Wall Pressure Values – Daylighted Bedding, Undrained (Hydrostatic)

WALL PRESSURE INCLUDING SEISMIC PRESSURE Daylighted Bedding, Undrained (Hydrostatic) Conditions (All Pressure Distributions are Triangular)			
Wall Height (feet)	**Active Pressure +Hydrostatic (pcf)**	**Active + Hydrostatic + Seismic (pcf)**	**At-Rest +Hydrostatic (pcf)**
Up to 25	(13+63) = 76	(76+28.2)=104*	98
25 to 35	(18+63)=81	(81+28.2)=109*	98

Note: * denotes value to be used in design

Surcharge from Adjacent Structures

Additional active pressure should be added for a surcharge condition due to the eastern ascending slope, vehicular traffic or adjacent structures for retaining walls and shoring design.

The following surcharge equation provided in the LADBS Information Bulletin Document No. P/BC 2020-83, may be utilized to determine the surcharge loads on basement walls and shoring system for existing structures located within the 1:1 (h:v) surcharge influence zone of the excavation and basement.

Resultant lateral force: $R = (0.3*P*h^2)/(x^2+h^2)$

Location of lateral resultant: $d = x*[(x^2/h^2+1)*\tan^{-1}(h/x)-(x/h)]$

where:

R	=	resultant lateral force measured in pounds per foot of wall width.
P	=	resultant surcharge loads of continuous or isolated footings measured in pounds per foot of length parallel to the wall.
x	=	distance of resultant load from back face of wall measured in feet.
h	=	depth below point of application of surcharge loading to top of wall footing measured in feet.
d	=	depth of lateral resultant below point of application of surcharge loading measure in feet.
$\tan^{-1}(h/x)$	=	the angle in radians whose tangent is equal to h/x.

The structural engineer and shoring engineer may use this equation to determine the surcharge loads based on the loading of the adjacent structures located within the surcharge influence zone.

Waterproofing

Moisture effecting retaining walls is one of the most common post construction complaints. Poorly applied or omitted waterproofing can lead to efflorescence or standing water inside the building. Efflorescence is a process in which a powdery substance is produced on the surface of the concrete by the evaporation of water. The white powder usually consists of soluble salts such as gypsum, calcite, or common salt. Efflorescence is common to retaining walls and does not affect their strength or integrity.

Waterproofing is recommended for retaining walls. Waterproofing design and inspection of its installation is not the responsibility of the geotechnical engineer. A qualified waterproofing consultant should be retained to recommend a product or method which would provide protection to below grade walls.

Retaining Wall Backfill

Any required backfill should be mechanically compacted in layers not more than 8 inches thick, to at least 90 percent of the maximum density in general accordance with the most recent revision of ASTM D 1557 method of compaction. Flooding should not be permitted. Compaction within 5 feet, measured horizontally, behind a retaining structure should be achieved by use of light weight, hand operated compaction equipment.

Proper compaction of the backfill will be necessary to reduce settlement of overlying walks and paving. Some settlement of required backfill should be anticipated, and any utilities supported therein should be designed to accept differential settlement, particularly at the points of entry to the structure.

TEMPORARY EXCAVATIONS

Excavations on the order of 65 feet in vertical height will be required for the subterranean levels. The excavations are expected to expose fill, alluvium, and siltstone and sandstone bedrock. Unshored cuts in accordance with the following table will be made.

Table 12 – Temporary Excavation Allowable Dimensions

HEIGHT OF CUT (feet)	ALLOWABLE CUT HEIGHT (IN FEET)			
	Fill soils	Alluvium	Bedrock-Neutral Bedding	Bedrock – Adverse Bedding
Up to 5	Vertical	Vertical	Vertical	Cut to angle of bedding
5 to 7	Cut to 1 to 1 Inclination	Vertical	Vertical	Cut to angle of bedding
7 to 15	Cut to 1 to 1 Inclination	Cut to 1 to 1 (H to V)	Cut to ½ to 1 (H to V)	Cut to angle of bedding
15 to 25	Cut to 1 to 1 Inclination	Cut to 1 to 1 Inclination	Cut to 1 to 1 Inclination	

All inclinations recommended above refer to uniform cuts. A uniform sloped excavation is sloped from bottom to top and does not have a vertical component.

Where sloped embankments are utilized, the tops of the slopes should be barricaded to prevent vehicles and storage loads near the top of slope within a horizontal distance equal to the depth of the excavation. If the temporary construction embankments are to be maintained during the rainy season, berms are strongly recommended along the tops of the slopes to prevent runoff water from entering the excavation and eroding the slope faces. Water should not be allowed to pond on top of the excavation nor to flow towards it.

Temporary Dewatering

Currently it is proposed that the structure will extend to a depth of 25 feet below existing site grades. Continuous groundwater seepage is expected from the bedrock. However, due to the low permeability of the rock, the water should attenuate with time until a base flow rate is achieved.

Temporary dewatering should be installed as necessary. Temporary dewatering should consist of gravel-filled drainage trenches leading to a sump area. The collected water should be pumped to an acceptable disposal area.

Dewatering wells may also be considered. An experienced dewatering contractor should be consulted for dewatering system design.

Where the exposed subgrade is wet pumping may be encountered. Under these conditions please refer to the "Wet Soils" section of this report.

Excavation Observations

It is critical that the soils and bedrock exposed in the cut slopes are observed by a representative of Geotechnologies, Inc. during excavation so that modifications of the slopes can be made if variations in the geologic material conditions occur. Many building officials require that temporary excavations should be made during the continuous observations of the geotechnical engineer. All excavations should be stabilized within 30 days of initial excavation.

SHORING DESIGN

The following information on the design and installation of the shoring is as complete as possible at this time. It is suggested that Geotechnologies, Inc. review the final shoring plans and specifications prior to bidding or negotiating with a shoring contractor.

One method of shoring would consist of steel soldier piles, placed in drilled holes and backfilled with concrete. The soldier piles may be designed as cantilevers or laterally braced utilizing drilled tied-back anchors or raker braces.

Soldier Piles

Drilled cast-in-place soldier piles should be placed no closer than 2 diameters on center. The minimum diameter of the piles is 18 inches. Structural concrete should be used for the soldier piles below the excavation; lean-mix concrete may be employed above that level. As an alternative, lean-mix concrete may be used throughout the pile where the reinforcing consists of a wideflange section. The slurry must be of sufficient strength to impart the lateral bearing pressure developed by the wideflange section to the geologic materials. For design purposes, an allowable passive value for the bedrock below the bottom plane of excavation may be assumed to be 600 pounds per square foot per foot. The allowable passive value for the alluvium below the bottom plane of excavation may be assumed to be 350 pounds per square foot. To develop the full lateral value, provisions should be implemented to assure firm contact between the soldier piles and the undisturbed geologic materials.

Groundwater was encountered during exploration at a depth of 9 to 17 feet below grade. Proposed piles are to be in excess of 9 feet in depth and will, therefore, encounter water. Piles placed below the water level require the use of a tremie to place the concrete into the bottom of the hole. A tremie shall consist of a water-tight tube having a diameter of not less than 4 inches charged with a concrete pump. The tube shall be equipped with a device that will close the discharge end and prevent water from entering the tube while it is being charged with concrete. The tremie shall be supported so as to permit free movement of the discharge end over the entire top surface of the work and to permit rapid lowering when necessary to retard or stop the flow of concrete. The discharge end shall be closed at the start of the work to prevent water entering the tube and shall be entirely sealed at all times, except when the concrete is being placed. The tremie tube shall be kept full of concrete. The flow shall be continuous until the work is completed and the resulting concrete seal shall be monolithic and homogeneous. The tip of the tremie tube shall always be kept about five feet below the surface of the concrete and definite steps and safeguards should be taken to insure that the tip of the tremie tube is never raised above the surface of the concrete.

A special concrete mix should be used for concrete to be placed below water. The design shall provide for concrete with a strength p.s.i. of 1,000 over the initial job specification. An admixture that reduces the problem of segregation of paste/aggregates and dilution of paste shall be included. The slump shall be commensurate to any research report for the admixture, provided that it shall also be the minimum for a reasonable consistency for placing when water is present.

Casing may be required should caving be experienced in the granular (saturated) geologic materials. If casing is used, extreme care should be employed so that the pile is not pulled apart as the casing is withdrawn. At no time should the distance between the surface of the concrete and the bottom of the casing be less than 5 feet.

The frictional resistance between the soldier piles and retained geologic material may be used to resist the vertical component of the anchor load. The coefficient of friction may be taken as 0.3 based on uniform contact between the steel beam and lean-mix concrete and retained earth. The portion of soldier piles below the plane of excavation may also be employed to resist the downward loads. The downward capacity may be determined using a frictional resistance of 250 pounds per square foot. The minimum depth of embedment for shoring piles is 5 feet below the bottom of the footing excavation or 7 feet below the bottom of excavated plane whichever is deeper.

Lagging

Soldier piles and anchors should be designed for the full anticipated pressures. Due to arching in the geologic materials, the pressure on the lagging will be less. It is recommended that the lagging should be designed for the full design pressure but be limited to a maximum of 400 pounds per square foot. It is recommended that a representative of this firm observe the installation of lagging to insure uniform support of the excavated embankment.

Tied-Back Anchors

Tied-back anchors may be used to resist lateral loads. Friction anchors are recommended. For design purposes, it may be assumed that the active wedge adjacent to the shoring is defined by a plane drawn 35 degrees with the vertical through the bottom plane of the excavation. Friction anchors should extend a minimum of 20 feet beyond the potentially active wedge.

Depending on the techniques utilized, and the experience of the contractor performing the installation, it is anticipated that a skin friction of 2,000 pounds per square foot could be utilized for post-grouted anchors. This value assumes that a grout pressure of 100 psi can be installed. Only the frictional resistance developed beyond the active wedge would be effective in resisting lateral loads.

Anchors should be placed at least 6 feet on center to be considered isolated. It is recommended that at least 3 of the initial anchors have their capacities tested to 200 percent of their design capacities for a 24-hour period to verify their design capacity.

The total deflection during this test should not exceed 12 inches. The anchor deflection should not exceed 0.75 inches during the 24 hour period, measured after the 200 percent load has been applied. All anchors should be tested to at least 150 percent of design load. The total deflection during this test should not exceed 12 inches.

The rate of creep under the 150 percent test load should not exceed 0.1 inch over a 15 minute period in order for the anchor to be approved for the design loading. After a satisfactory test, each anchor should be locked-off at the design load. This should be verified by rechecking the load in the anchor. The load should be within 10 percent of the design load. Where satisfactory tests are not attained, the anchor diameter and/or length should be increased or additional anchors installed until satisfactory test results are obtained. The installation and testing of the anchors should be observed by the geotechnical engineer. Minor caving during drilling of the anchors should be anticipated.

Anchor Installation

Tied-back anchors may be installed between 20 and 40 degrees below the horizontal. Caving of the anchor shafts, particularly within sand deposits, should be anticipated and the following provisions should be implemented in order to minimize such caving. The anchor shafts should be filled with concrete by pumping from the tip out, and the concrete should extend from the tip of the anchor to the active wedge. In order to minimize the chances of caving, it is recommended that the portion of the anchor shaft within the active wedge be backfilled with sand before testing the anchor. This portion of the shaft should be filled tightly and flush with the face of the excavation. The sand backfill should be placed by pumping; the sand may contain a small amount of cement to facilitate pumping.

Lateral Pressures

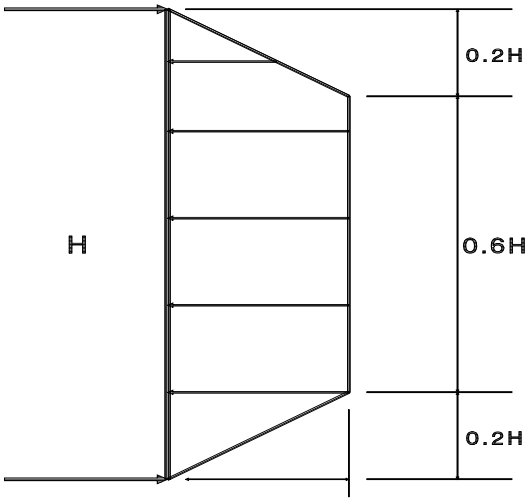
Cantilevered shoring supporting a level backslope may be designed utilizing a triangular distribution of pressure as indicated in the following table.

Table 13 – Cantilevered Shoring Design Lateral loads

HEIGHT OF WALL (feet)	CANTELEVERED SHORING EQUIVALENT FLUID PRESSURE (Active)		
	West Wall (along Sunset Boulevard), and South Wall Neutral Bedding (pounds per cubic foot)	East Wall (At Toe of Slope) Neutral Bedding, and Slope Surcharge (pounds per cubic foot)	North Wall (Adverse Bedding) (pounds per cubic foot)
Up to 15	-	35	-
Up to 25	30	42	30
25 to 35	37	49	37
35 to 45	41	55	41
45 to 55	44	-	44
55 to 65	47	-	47

A trapezoidal distribution of lateral earth pressure would be appropriate where shoring is to be restrained at the top by bracing or tie backs, with the trapezoidal distribution as shown in the diagram below.

TRAPEZOIDAL DISTRIBUTION OF PRESSURE



Restrained shoring supporting a level backslope may be designed utilizing a trapezoidal distribution of pressure as indicated in the following table:

Table 14 – Restrained Shoring Design Lateral Loads

HEIGHT OF WALL (feet)	RESTRAINED SHORING EQUIVALENT FLUID PRESSURE (Active)		
	West Wall (along Sunset Boulevard), and South Wall Neutral Bedding (pounds per cubic foot)	East Wall (At Toe of Slope) Neutral Bedding, and Slope Surcharge (pounds per cubic foot)	North Wall (Adverse Bedding) (pounds per cubic foot)
Up to 15	-	22H	-
Up to 25	18H	26H	19H
25 to 35	19H	31H	23H
35 to 45	22H	34H	26H
45 to 55	24H	-	28H
55 to 65	26H	-	29H

Where a combination of sloped embankment and shoring is utilized, the pressure will be greater and must be determined for each combination. Additional active pressure should be applied where the shoring will be surcharged by adjacent traffic or structures. Where a combination of sloped embankment and shoring is utilized, the pressure will be greater and must be determined for each combination.

Deflection

It is difficult to accurately predict the amount of deflection of a shored embankment. It should be realized that some deflection will occur. It is estimated that the deflection could be on the order of one inch at the top of the shored embankment. If greater deflection occurs during construction, additional bracing may be necessary to minimize settlement of adjacent buildings and utilities in adjacent street and alleys. If desired to reduce the deflection, a greater active pressure could be used in the shoring design. Where internal bracing is used, the rakers should be tightly wedged to minimize deflection. The proper installation of the raker braces and the wedging will be critical to the performance of the shoring.

Monitoring

Because of the depth of the excavation, some means of monitoring the performance of the shoring system is suggested. The monitoring should consist of periodic surveying of the lateral and vertical locations of the tops of all soldier piles and the lateral movement along the entire lengths of selected soldier piles. Also, some means of periodically checking the load on selected anchors will be necessary, where applicable.

Some movement of the shored embankments should be anticipated as a result of the relatively deep excavation. It is recommended that photographs of the existing buildings on the adjacent properties be made during construction to record any movements for use in the event of a dispute.

Shoring Observations

It is critical that the installation of shoring is observed by a representative of Geotechnologies, Inc. Many building officials require that shoring installation should be performed during continuous observation of a representative of the geotechnical engineer. The observations ensure that the recommendations of the geotechnical report are implemented and so that modifications of the recommendations can be made if variations in the geologic material or groundwater conditions warrant. The observations will allow for a report to be prepared on the installation of shoring for the use of the local building official, where necessary.

SLABS ON GRADE

Concrete Slabs-on Grade

Concrete floor slabs should be a minimum of 4 inches in thickness. Slabs-on-grade should be cast over undisturbed natural geologic materials or properly controlled fill materials. Any geologic materials loosened or over-excavated should be wasted from the site or properly compacted to 90 percent of the maximum dry density.

Outdoor concrete flatwork should be a minimum of 3 inches in thickness. Outdoor concrete flatwork should be cast over undisturbed natural geologic materials or properly controlled fill materials. Any geologic materials loosened or over-excavated should be wasted from the site or properly compacted to 90 percent of the maximum dry density.

Design of Slabs That Receive Moisture-Sensitive Floor Coverings

Geotechnologies, Inc. does not practice in the field of moisture vapor transmission evaluation and mitigation. Therefore it is recommended that a qualified consultant be engaged to evaluate the general and specific moisture vapor transmission paths and any impact on the proposed

construction. The qualified consultant should provide recommendations for mitigation of potential adverse impacts of moisture vapor transmission on various components of the structure.

Where dampness would be objectionable, it is recommended that the floor slabs should be waterproofed. A qualified waterproofing consultant should be retained in order to recommend a product or method which would provide protection for concrete slabs-on-grade.

All concrete slabs-on-grade should be supported on vapor retarder. The design of the slab and the installation of the vapor retarder should comply with the most recent revisions of ASTM E 1643 and ASTM E 1745. Where a vapor retarder is used, a low-slump concrete should be used to minimize possible curling of the slabs. The barrier can be covered with a layer of trimmable, compactible, granular fill, where it is thought to be beneficial. See ACI 302.2R-32, Chapter 7 for information on the placement of vapor retarders and the use of a fill layer.

Concrete Crack Control

The recommendations presented in this report are intended to reduce the potential for cracking of concrete slabs-on-grade due to settlement. However even where these recommendations have been implemented, foundations, stucco walls and concrete slabs-on-grade may display some cracking due to minor soil movement and/or concrete shrinkage. The occurrence of concrete cracking may be reduced and/or controlled by limiting the slump of the concrete used, proper concrete placement and curing, and by placement of crack control joints at reasonable intervals, in particular, where re-entrant slab corners occur.

For standard control of concrete cracking, a maximum crack control joint spacing of 15 feet should not be exceeded. Lesser spacings would provide greater crack control. Joints at curves and angle points are recommended. The crack control joints should be installed as soon as practical following concrete placement. Crack control joints should extend a minimum depth of one-fourth the slab thickness. Construction joints should be designed by a structural engineer.

Complete removal of the existing fill soils beneath outdoor flatwork such as walkways or patio areas, is not required, however, due to the rigid nature of concrete, some cracking, a shorter design life and increased maintenance costs should be anticipated. In order to provide uniform support beneath the flatwork it is recommended that a minimum of 12 inches of the exposed subgrade beneath the flatwork be scarified and recompacted to 90 percent relative compaction.

Slab Reinforcing

Concrete slabs-on-grade should be reinforced with a minimum of #4 steel bars on 16-inch centers each way. Where a floor slab will occur below the water level, a structural slab is recommended.

Outdoor flatwork should be reinforced with a minimum of #3 steel bars on 24-inch centers each way.

PAVEMENTS

Prior to placing paving, the existing grade should be scarified to a depth of 12 inches, moistened as required to obtain optimum moisture content, and recompacted to 90 percent of the maximum density as determined by the most recent revision of ASTM D 1557. The following pavement sections are recommended:

Table 15 – Paving Recommendations

Service	Asphalt Pavement Thickness Inches	Base Course Inches
Passenger Cars (TI=5)	3	4
Moderate Truck (TI=7)	4	6

Aggregate base should be compacted to a minimum of 95 percent of the most recent revision of ASTM D 1557 laboratory maximum dry density. Base materials should conform with Sections 200-2.2 or 200-2.4 of the "Standard Specifications for Public Works Construction", (Green Book), 1991 Edition.

The performance of pavement is highly dependent upon providing positive surface drainage away from the edges. Ponding of water on or adjacent to pavement can result in saturation of the subgrade materials and subsequent pavement distress. If planter islands are planned, the perimeter curb should extend a minimum of 12 inches below the bottom of the aggregate base.

Concrete paving may be used on the project. Based on the highway design manual, for Traffic Index of 7 concrete paving should be 8 inches of concrete over 4 inches of compacted base.

The occurrence of concrete cracking may be reduced and/or controlled by limiting the slump of the concrete used, proper concrete placement and curing, and by placement of crack control joints at reasonable intervals, in particular, where re-entrant slab corners occur.

For standard control of concrete cracking, a maximum crack control joint spacing of 12 feet should not be exceeded. Lesser spacings would provide greater crack control. Joints at curves and angle points are recommended. The crack control joints should be installed as soon as practical following concrete placement. Crack control joints should extend a minimum depth of one-fourth the slab thickness. Construction joints should be designed by a structural engineer. Concrete paving should be reinforced with a minimum of #3 steel bars on 18-inch centers each way.

For crack control, steel reinforcement may be considered in rigid (PCC) pavements, typically consisting of No. 3 bars at a maximum spacing of 24-inches in each direction. Reinforcing bars, if used, should be placed at mid-height of the concrete slab and maintained at mid height during placement of concrete. However, it is understood that Safeway's specifications for concrete pavement do not allow the use of steel reinforcement.

The management of pavement wear primarily is focused on the distress caused by vertical loads. The reduction of vertical loading from large vehicles is assisted by increasing the number of axles. Multi-axle groups reduce the peak vertical loading and, when closely spaced, reduce the magnitude of the strain cycles to which the pavement is subjected. However, where tight low-speed turns are

executed, non-steering axle groups lead to transverse shear forces (scuffing) at the pavement-tire interface.

With asphaltic concrete pavements, tensile shear stresses from tires can cause surface cracking and raveling, thus, the increased use of non-steering axle groups results in increased pavement wear in the vicinity of intersections and turnarounds where tight low speed turns are executed.

When designing intersections and turnarounds the turn radius should be as large as possible. This will lead to reduced "scuffing" forces. Where tight radius turns are unavoidable, the pavement surface design should take into account the high level of "scuffing" forces that will occur and thickened pavement and subgrade and base course keyways should be considered to assist in the reduction of lateral deflection.

SITE DRAINAGE

Proper surface drainage is critical to the future performance of the project. Saturation of a soil can cause it to lose internal shear strength and increase its compressibility, resulting in a change in the designed engineering properties. Proper site drainage should be maintained at all times.

All site drainage, with the exception of any required to disposed of onsite by stormwater regulations, should be collected and transferred to the street in non-erosive drainage devices. The proposed structure should be provided with roof drainage. Discharge from downspouts, roof drains and scuppers should not be permitted on unprotected soils within five feet of the building perimeter. Drainage should not be allowed to pond anywhere on the site, and especially not against any foundation or retaining wall. Drainage should not be allowed to flow uncontrolled over any descending slope. Planters which are located within a distance equal to the depth of a retaining wall should be sealed to prevent moisture adversely affecting the wall. Planters which are located within five feet of a foundation should be sealed to prevent moisture affecting the earth materials supporting the foundation.

Slope Drainage

A diverter V-ditch shall be placed at the top of the cut slopes. The V-ditch should be constructed of concrete and be at least 2 feet in width. The purpose of the diverter ditch is to collect water from offsite properties that drain toward the site.

Concrete V-ditches must also be placed behind all retaining walls where there is an inclined slope behind the wall. The V ditches shall discharge to a collection point and transferred to an appropriate facility.

A paved interceptor terrace shall be located on the slope at vertical intervals not exceeding 25 feet. The terrace shall have a minimum width of 8 feet. The down drain shall be connected to the interceptor terrace at 150 foot spacings.

Water from these facilities shall be collected and transferred to an appropriate disposal facility.

STORMWATER INFILTRATION

Introduction

A percolation test was performed on the site when the building design was at-grade at the southern end of the building for an earlier design of the proposed structure. However, the current design has a subterranean level, and does not permit the use of an onsite stormwater infiltration system.

It is the recommendation of this firm that some other means of stormwater infiltration, such as flow through planters, should be used.

DESIGN REVIEW

Engineering of the proposed project should not begin until approval of the geotechnical report by the Building Official is obtained in writing. Significant changes in the geotechnical recommendations may result during the building department review process.

It is recommended that the geotechnical aspects of the project be reviewed by this firm during the design process. This review provides assistance to the design team by providing specific recommendations for particular cases, as well as review of the proposed construction to evaluate whether the intent of the recommendations presented herein are satisfied.

CONSTRUCTION MONITORING

Geotechnical observations and testing during construction are considered to be a continuation of the geotechnical investigation. It is critical that this firm review the geotechnical aspects of the project during the construction process. Compliance with the design concepts, specifications or recommendations during construction requires review by this firm during the course of construction. All foundations should be observed by a representative of this firm prior to placing concrete or steel. Any fill which is placed should be observed, tested, and verified if used for engineered purposes. Please advise Geotechnologies, Inc. at least twenty-four hours prior to any required site visit.

If conditions encountered during construction appear to differ from those disclosed herein, notify Geotechnologies, Inc. immediately so the need for modifications may be considered in a timely manner.

It is the responsibility of the contractor to ensure that all excavations and trenches are properly sloped or shored. All temporary excavations should be cut and maintained in accordance with applicable OSHA rules and regulations.

EXCAVATION CHARACTERISTICS

The exploration performed for this investigation is limited to the geotechnical excavations described. Direct exploration of the entire site would not be economically feasible. The owner, design team and contractor must understand that differing excavation and drilling conditions may be encountered based on boulders, gravel, oversize materials, groundwater and many other conditions. Fill materials, especially when they were placed without benefit of modern grading codes, regularly contain materials which could impede efficient grading and drilling. The Puente Formation is known to contain concretions, but none were encountered in this or the previous investigations. Concretions are typically lenticular and follow the bedding. They are formed by mineral deposits. Concretions can be very hard. Excavation and drilling in these areas may require full size equipment and coring capability. The contractor should be familiar with the site and the geologic materials in the vicinity.

CLOSURE AND LIMITATIONS

The purpose of this report is to aid in the design and completion of the described project. Implementation of the advice presented in this report is intended to reduce certain risks associated with construction projects. The professional opinions and geotechnical advice contained in this report are sought because of special skill in engineering and geology and were prepared in accordance with generally accepted geotechnical engineering practice. Geotechnologies, Inc. has a duty to exercise the ordinary skill and competence of members of the engineering profession. Those who hire Geotechnologies, Inc. are not justified in expecting infallibility, but can expect reasonable professional care and competence.

The scope of the geotechnical services provided did not include any environmental site assessment for the presence or absence of organic substances, hazardous/toxic materials in the soil, surface water, groundwater, or atmosphere, or the presence of wetlands.

Proper compaction is necessary to reduce settlement of overlying improvements. Some settlement of compacted fill should be anticipated. Any utilities supported therein should be designed to accept differential settlement. Differential settlement should also be considered at the points of entry to the structure.

The City of Los Angeles does not require corrosion testing. However, if corrosion sensitive improvements are planned, it is recommended that a comprehensive corrosion study should be commissioned. The study will develop recommendations to avoid premature corrosion of buried pipes and concrete structures in direct contact with the soils.

GEOTECHNICAL TESTING

Classification and Sampling

The soil is continuously logged by a representative of this firm and classified by visual examination in accordance with the Unified Soil Classification system. The field classification is verified in the laboratory, also in accordance with the Unified Soil Classification System. Laboratory classification may include visual examination, Atterberg Limit Tests and grain size distribution. The final classification is shown on the excavation logs.

Samples of the geologic materials encountered in the exploratory excavations were collected and transported to the laboratory. Undisturbed samples of soil are obtained at frequent intervals. Unless noted on the excavation logs as an SPT sample, samples acquired while utilizing a hollow-stem auger drill rig are obtained by driving a thin-walled, California Modified Sampler with successive 30-inch drops of a 140-pound hammer. Samples from bucket-auger drilling are obtained utilizing a California Modified Sampler with successive 12-inch drops of a kelly bar, whose weight is noted on the excavation logs. The soil is retained in brass rings of 2.50 inches outside diameter and 1.00 inch in height. The central portion of the samples are stored in close fitting, waterproof containers for transportation to the laboratory. Samples noted on the excavation logs as SPT samples are

obtained in accordance with the most recent revision of ASTM D 1586. Samples are retained for 30 days after the date of the geotechnical report.

Grain Size Distribution

These tests cover the quantitative determination of the distribution of particle sizes in soils. Sieve analysis is used to determine the grain size distribution of the soil larger than the Number 200 sieve.

The most recent revision of ASTM D 422 is used to determine particle sizes smaller than the Number 200 sieve. A hydrometer is used to determine the distribution of particle sizes by a sedimentation process.

The grain size distributions are plotted on the E-Plates presented in the Appendix of this report.

Moisture and Density Relationships

The field moisture content and dry unit weight are determined for each of the undisturbed soil samples, and the moisture content is determined for SPT samples by the most recent revision of ASTM D 4959 or ASTM D 4643. This information is useful in providing a gross picture of the soil consistency between exploration locations and any local variations. The dry unit weight is determined in pounds per cubic foot and shown on the "Excavation Logs", A-Plates. The field moisture content is determined as a percentage of the dry unit weight.

Direct Shear Testing

Shear tests are performed by the most recent revision of ASTM D 3080 with a strain controlled, direct shear machine manufactured by Soil Test, Inc. or a Direct Shear Apparatus manufactured by GeoMatic, Inc. The rate of deformation is approximately 0.025 inches per minute. Each sample

is sheared under varying confining pressures in order to determine the Mohr-Coulomb shear strength parameters of the cohesion intercept and the angle of internal friction. Samples are generally tested in an artificially saturated condition. Depending upon the sample location and future site conditions, samples may be tested at field moisture content. The results are plotted on the "Shear Test Diagram," B-Plates.

The most recent revision of ASTM 3080 limits the particle size to 10 percent of the diameter of the direct shear test specimen. The sheared sample is inspected by the laboratory technician running the test. The inspection is performed by splitting the sample along the sheared plane and observing the soils exposed on both sides. Where oversize particles are observed in the shear plane, the results are discarded and the test run again with a fresh sample.

Consolidation Testing

Settlement predictions of the soil's behavior under load are made on the basis of the consolidation tests using the most recent revision of ASTM D 2435. The consolidation apparatus is designed to receive a single one-inch high ring. Loads are applied in several increments in a geometric progression, and the resulting deformations are recorded at selected time intervals. Porous stones are placed in contact with the top and bottom of each specimen to permit addition and release of pore fluid. Samples are generally tested at increased moisture content to determine the effects of water on the bearing soil. The normal pressure at which the water is added is noted on the drawing. Results are plotted on the "Consolidation Test," C-Plates.

Expansion Index Testing

The expansion tests performed on the remolded samples are in accordance with the Expansion Index testing procedures, as described in the most recent revision of ASTM D4829. The soil sample is compacted into a metal ring at a saturation degree of 50 percent. The ring sample is then placed in a consolidometer, under a vertical confining pressure of 1 lbf/square inch and inundated

with distilled water. The deformation of the specimen is recorded for a period of 24 hour or until the rate of deformation becomes less than 0.0002 inches/hour, whichever occurs first. The expansion index, EI, is determined by dividing the difference between final and initial height of the ring sample by the initial height, and multiplied by 1,000.

Laboratory Compaction Characteristics

The maximum dry unit weight and optimum moisture content of a soil are determined by use of the most recent revision of ASTM D 1557. A soil at a selected moisture content is placed in five layers into as mold of given dimensions, with each layer compacted by 25 blows of a 10 pound hammer dropped from a distance of 18 inches subjecting the soil to a total compactive effort of about 56,000 pounds per cubic foot. The resulting dry unit weight is determined. The procedure is repeated for a sufficient number of moisture contents to establish a relationship between the dry unit weight and the water content of the soil. The data when plotted represent a curvilinear relationship known as the compaction curve. The values of optimum moisture content and modified maximum dry unit weight are determined from the compaction curve.

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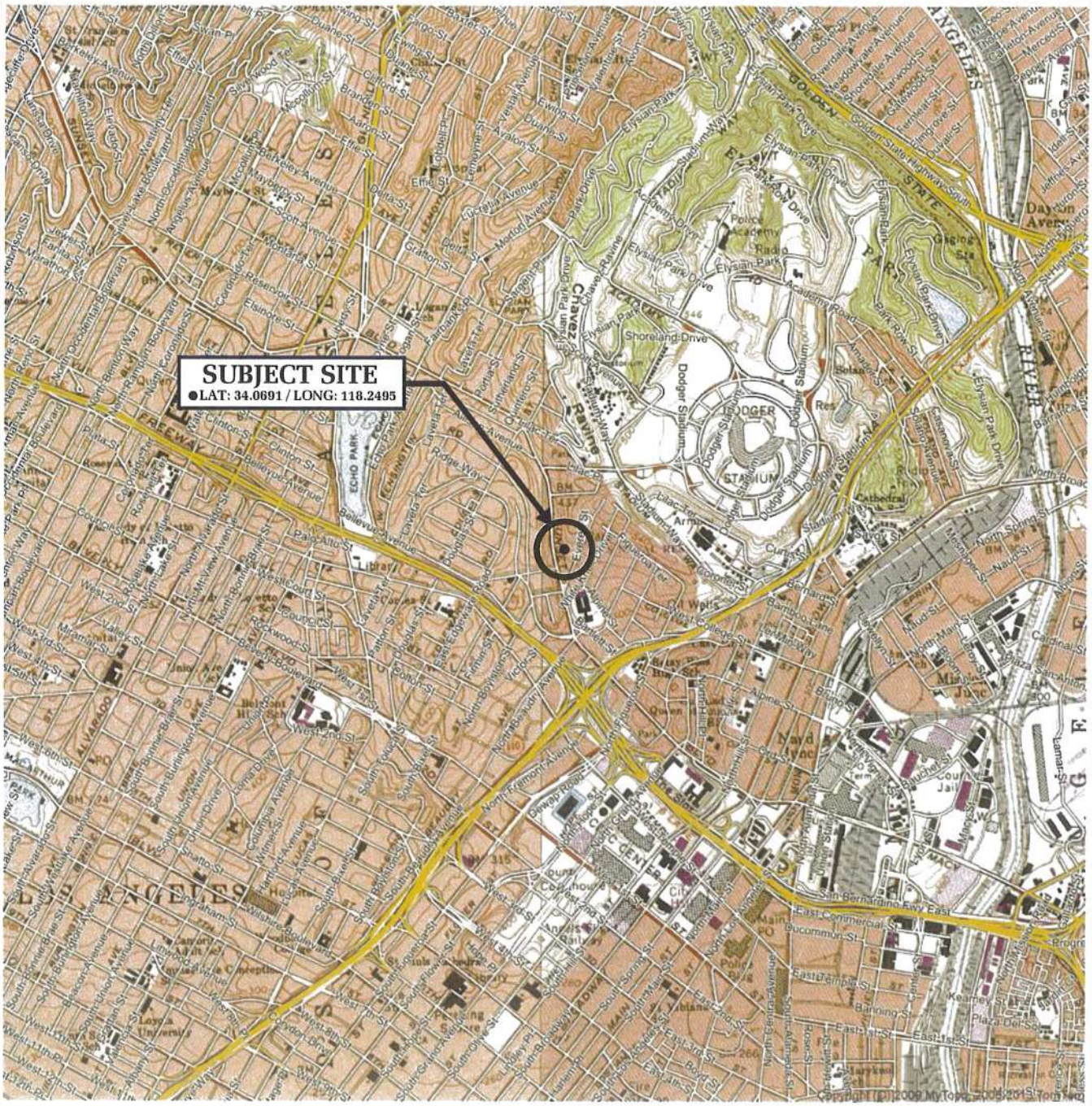
FIGURES



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VICINITY MAP

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489

LEGEND

- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017 FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- EXISTING STRUCTURE
- DEMOLISHED STRUCTURE
- SUBJECT SITE

EVERETT STREET

SUBJECT SITE

PROPOSED CUT SLOPE

PROPOSED STRUCTURE

F.F.E. = 439.5'

F.F.E. = 411'

F.F.E. = 400'

F.F.E. = 409'

F.F.E. = 427'

TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24

B1 B2 B3 B4 B5 B6 B7

W. SUNSET BLVD.

MARION AVE

SCALE IN FEET

0 20 40 60 120

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

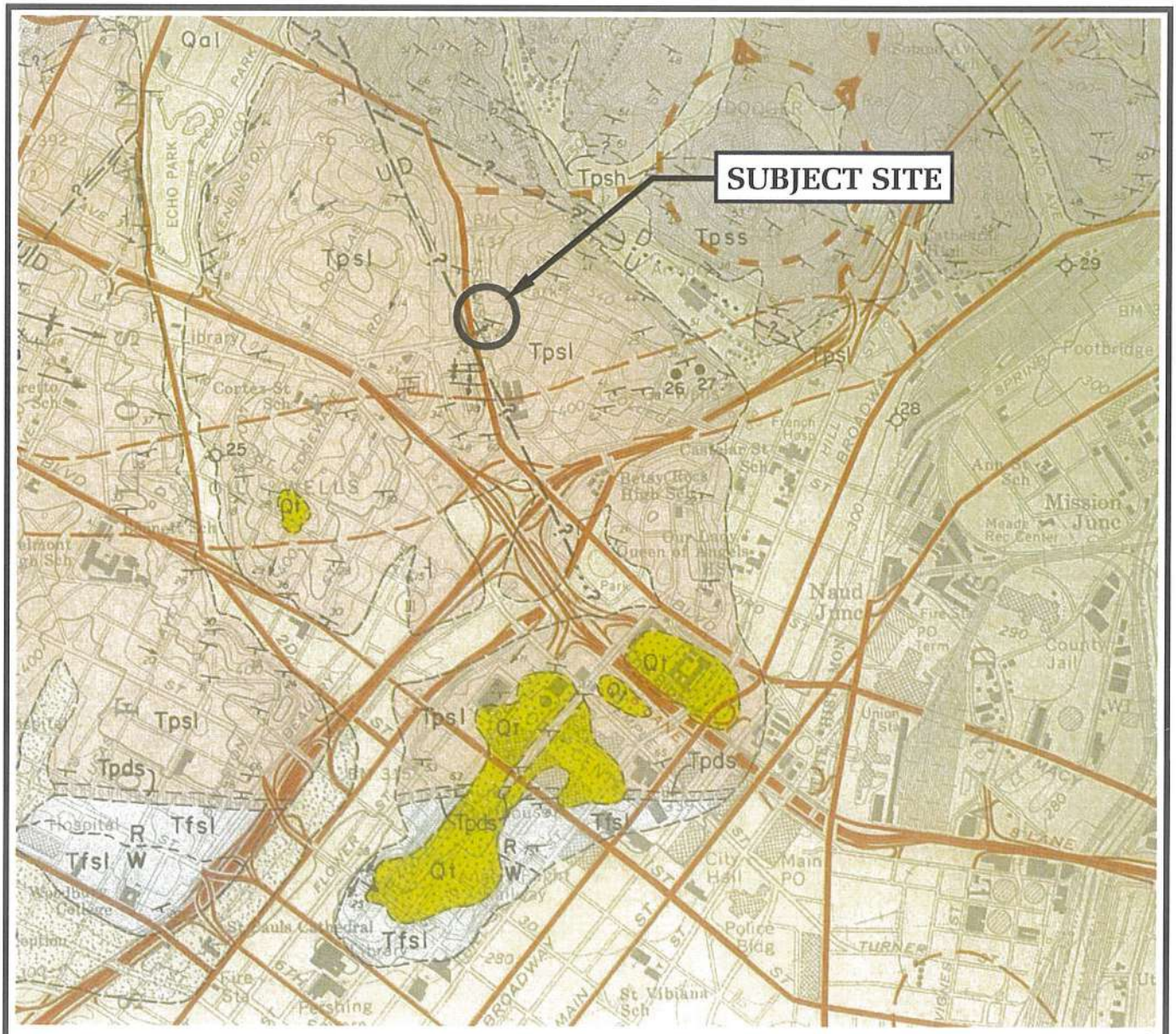
PLOT PLAN

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023



LEGEND

Qal:	Alluvium - silt, sand and gravel
Qt:	Terrace Deposits - silt, sand and gravel forming alluvial terrace and dissected alluvial plain deposits
Tpsl:	Puente Formation - siltstone, well bedded, light brown and light gray
Tpsh:	Puente Formation - shale, well bedded, light gray siliceous
Tpds:	Puente Formaion - diatomaceous shale, punky, dull white
Tpss:	Puente Formation - sandstone, well bedded, medium-to-coarse grained, light brown to gray

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LOCAL GEOLOGIC MAP (LAMAR)

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LEGEND

af: Surficial Sediments - artificial fill

Qa: Surficial Sediments - alluvium: unconsolidated floodplain deposits of silt, sand and gravel

Tush: Unnamed Shale - gray to light brown, thin bedded, silty clay shale, locally contains scattered large calcareous nodules, in places contains thnin interbeds of fine-grained sandstone

Tmsh: Monterey Formation - white-weathering, thin bedded, platy siliceous shale,clocally porcelaneous and silty

Tmss: Monterey Formation - tan to light gray semi-friable arkosic sandstone; includes some interbedded silty shale

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LOCAL GEOLOGIC MAP (DIBBLEE)

Geotechnologies, Inc.
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ARAGON PROPERTIES, LTD.

FILE NO. 20489

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2016)

B4 (elev. 478')	B4 (cont.)	B4 (cont.)	B4 (cont.)	B5 (elev. 412')	B6 (elev. 412')	B7 (elev. 411')	TP7 (elev. 468')	TP8 (elev. 447')
0-4' af 4 - 60' Tp @ 7.6' @ 10.2' @ 12.4' @ 13.4'	@ 15.6' @ 17.1' @ 21.0' @ 23.4' @ 25.1'	@ 27.7" @ 29.9' @ 32.9' @ 33.9' @ 40.8'	@ 43.8' @ 49.0' @ 52.6' No Seepage	0-0.8' af 0.8-20' Tp @ 4.0' @ 7.0' @ 11.0' @ 14.4' @ 9' and 12' Seepage	0-3.5' Qcol 3.5'-20' Tp @ 5' @ 6.3' @10.2' @12.8' @ 11.5' Seepage	0-0.75' af 0.75'-6.5' Qcol 6.5-20' Tp @ 10.4' @ 14.0' @ 12.0' Seepage	0-4.5' af 4.5--9.0' Qcol 9.0'-18.0' Tp @ 10.0' @ 11.4' @ 17.0' No Seepage	0-2.5' af 2.5'-13' Tp @ 3.5' @ 8.0' @10.0' No Seepage

BORINGS BY PETRA GEOTECHNICAL (2004) JN 588-04

B1 (elev. 424')	B2 (elev. 416')
0-30' Tp Seepage @ 24'	0-12' Qal 12'-31' Tp Seepage @ 17'

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2013) FILE NO 20489

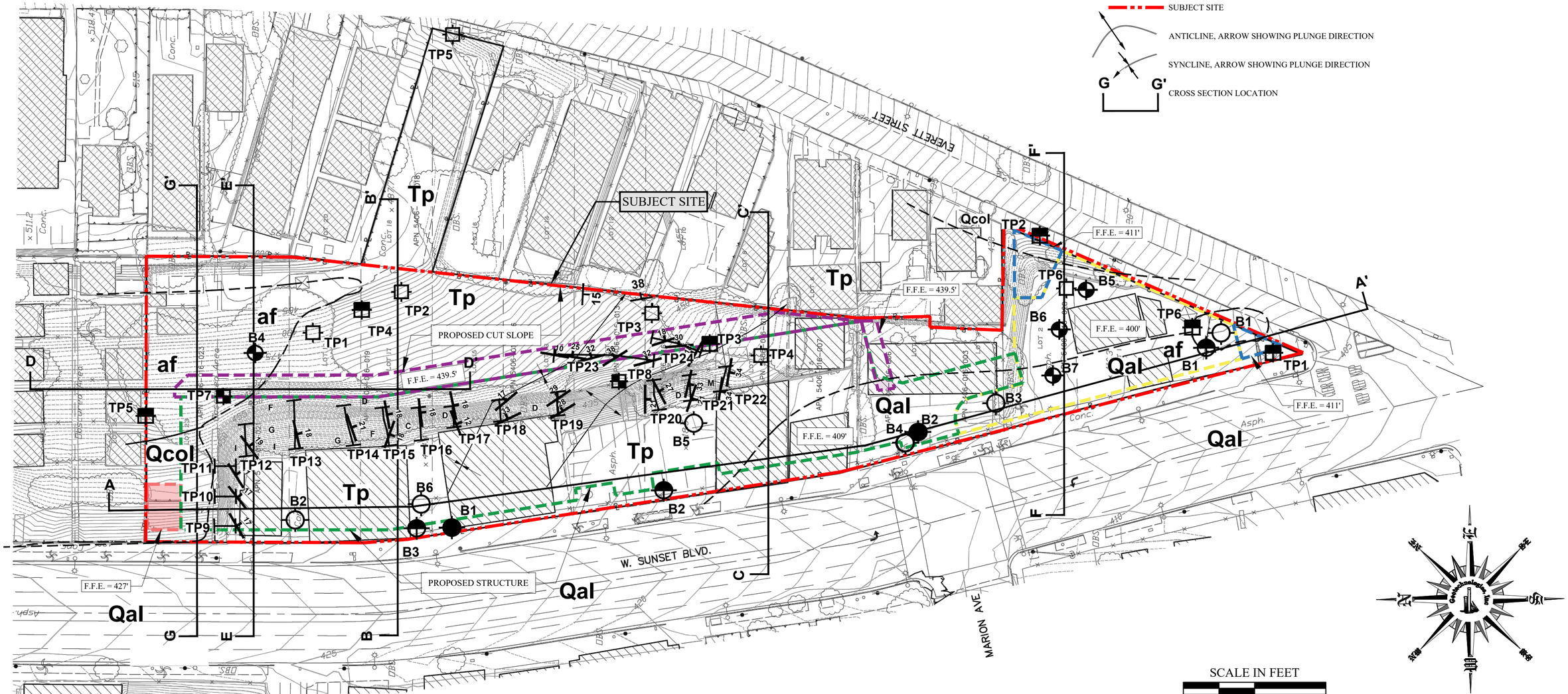
B1 (elev. 409')	B2 (elev. 419.5')	B3 (elev. 424')	TP1 (elev. 407')	TP2 (elev. 425')	TP3 (elev. 444')	TP4 (elev. 480')	TP5 (elev. 470')	TP6 (elev. 409')
0-3' af 3'-10' Qal 10'-30' Tp Seepage @ 17.5'	0-3' af 3'-30' Tp Seepage @ 17'	0-3' af 3'-40' Tp Seepage @ 9.3'	0-4' af 4'-6' Qal No Seepage	0-1' af 1'-10' Qcol 10'-11' Tp No Seepage	0-1.5' af 1.5'-10' Tp No Seepage	0-1' af 1'-4' Tp No Seepage	0-2' af 2'-6.5' Qcol 6.5'-8' Tp @ 7' No Seepage	0-6' af No Seepage

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2006) FILE NO 19267

B1 (elev. 408')	B2 (elev. 423')	B3 (elev. 414')	B4 (elev. 413')	B5 (elev. 419')	B6 (elev. 421.5')	TP1 (elev. 477')	TP2 (elev. 479')	TP3 (elev. 452')	TP4 (elev. 434')	TP5 (elev. 476')	TP6 (elev. 409')
0-5.5' af 5.5'-20' Tp No Seepage	0-15' Tp @ 2' @ 3.5' @ 3.5' @ 6' 9'-15' Seepage	0-7' af 7'-15' Qal 15'-25' Tp 15'-25' Seepage	0-2' af 2'-18.5' Qal 18.5'-20' Tp 12'-20' Seepage	0-2' af 2'-10' Tp @ 4.5' @ 5.5' @ 9.5'-10' Seepage	0-1.5' af 1.5'-12' Tp @ 4' @ 6.5' @ 11.5'-12' Seepage	0-0.5' af 0.5'-2' Qcol 2'-4' Tp @ 3' @ 3' No Seepage	0-2.5' af 2.5-5' Tp @ 4' @ 4' No Seepage	0-0.5' af 0.5'-3' Tp @ 2.5' @ 2.5' No Seepage	0-2' af 2'-5' Tp @ 4' @ 4' No Seepage	0-2' af 2'-4' Tp @ 3' @ 3.5' @ 3.5' No Seepage	0-2.5' af 2.5'-4' Tp @ 3' @ 3' @ 3' No Seepage

LEGEND

- af — ARTIFICIAL FILL (where > 4' thick)
- Qal — ALLUVIUM (where > 4' thick)
- Qcol — COLLUVIUM (where > 4' thick)
- Tp — BEDROCK (PUENTE FORMATION)
- C, D, E, F G, I, K, L — MARKER BEDS
- 40 — BEDDING ORIENTATION
- VERTICAL FRACTURE
- GEOLOGIC CONTACT
- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016, FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016, FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013, FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013, FN 20489)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004, J.N. 588-04)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006, FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006, FN 19267)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017, FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- DEMOLISHED STRUCTURE
- EXISTING STRUCTURE
- SUBJECT SITE
- ANTICLINE, ARROW SHOWING PLUNGE DIRECTION
- SYNCLINE, ARROW SHOWING PLUNGE DIRECTION
- G G' — CROSS SECTION LOCATION



SCALE IN FEET
0 25 50 100

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

GEOLOGIC MAP

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

LEGEND

- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017 FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- EXISTING STRUCTURE
- DEMOLISHED STRUCTURE
- SUBJECT SITE
- ELEVATION CONTOUR AT TOP OF BEDROCK

SUBJECT SITE

F.F.E. = 409.5'
F.F.E. = 411'
F.F.E. = 439.5'
F.F.E. = 400'
F.F.E. = 411'
F.F.E. = 439.5'
F.F.E. = 409'
F.F.E. = 427'

W. SUNSET BLVD.
EVERETT STREET
MARION AVE
CHURCHILL AVE
KIPLING AVE

SCALE IN FEET

0 20 40 60 120

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

BEDROCK CONTOUR PLAN

Geotechnologies, Inc.
Consulting Geotechnical Engineers

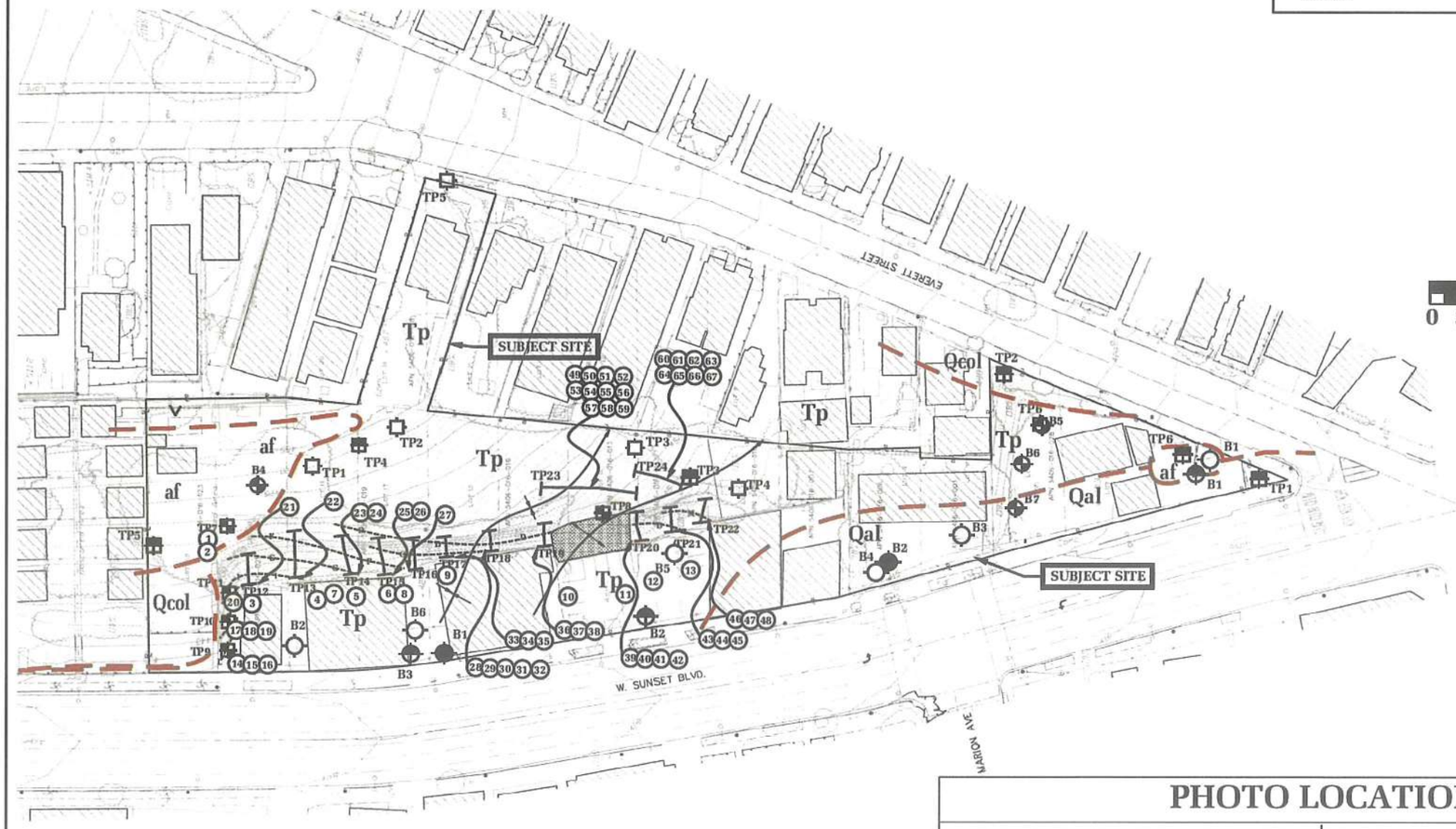
ARAGON PROPERTIES, LTD.

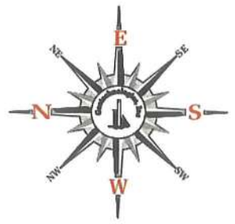
DRAWN BY: JD | FILE NO. 20489

DATE: AUGUST 2023

LEGEND

- (67) PHOTO LOCATION AND NUMBER
- af — ARTIFICIAL FILL (where > 4' thick)
- Qal — ALLUVIUM (where > 4' thick)
- Qcol — COLLUVIUM (where > 4' thick)
- Tp — BEDROCK (PUENTE FORMATION)
- C, D, E, F G, I, K, L — MARKER BEDS
- BEDDING ORIENTATION
- VERTICAL FRACTURE
- GEOLOGIC CONTACT
- ANTICLINE, ARROW SHOWING PLUNGE DIRECTION
- SYNCLINE, ARROW SHOWING PLUNGE DIRECTION
- EXISTING STRUCTURE





SCALE IN FEET

0 30 50 100 150 200

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC. NOT DATED

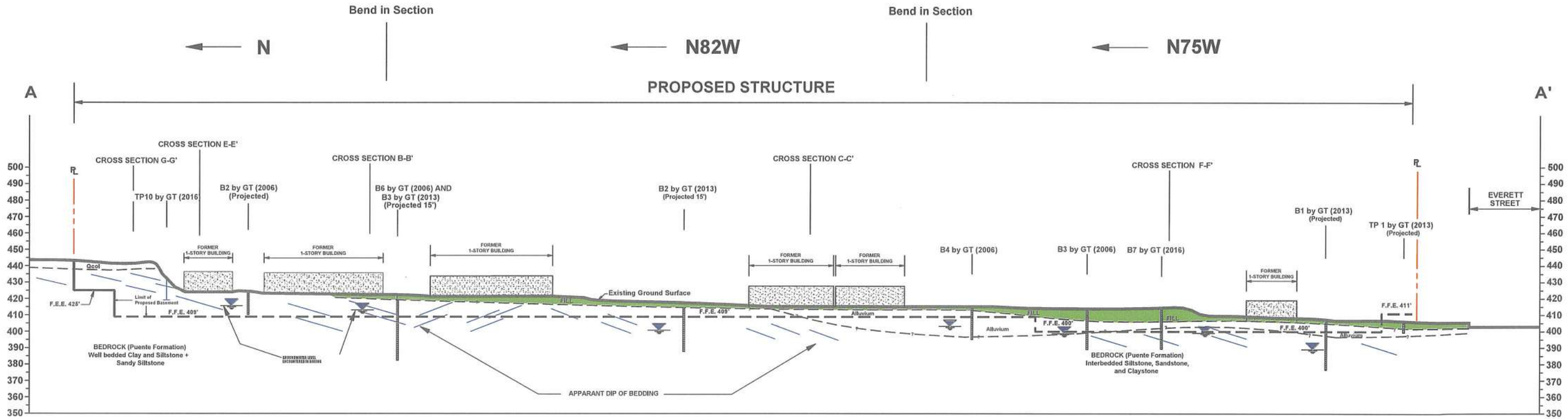
PHOTO LOCATION MAP

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE No. 20489

DATE: January 2016



REFERENCE: TOPOGRAPHIC MAP PROVIDED BY SITETECH INC.
NOT DATED

SCALE IN FEET

0 20 40 60 120

CROSS SECTION A-A'

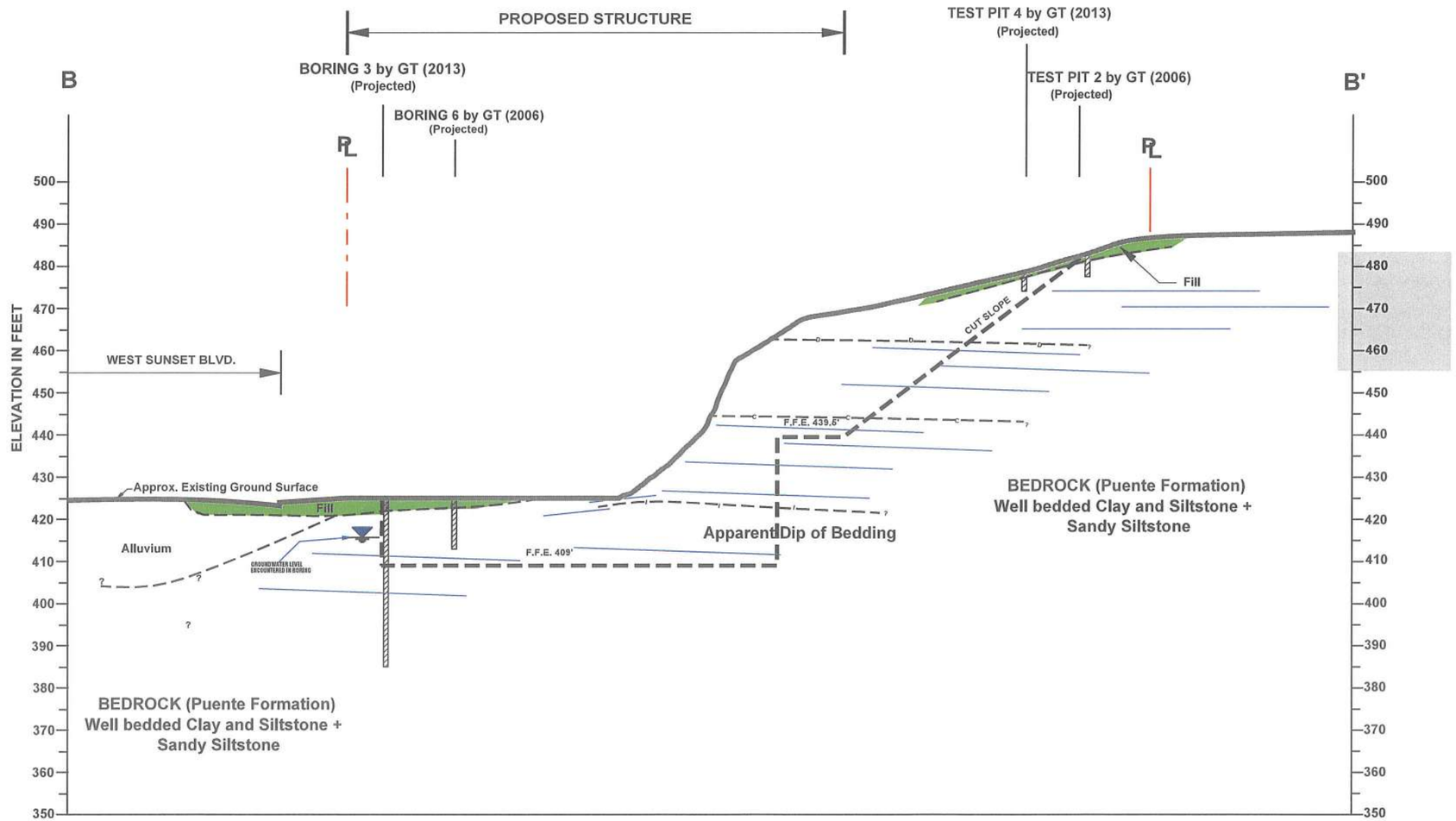
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION B-B'

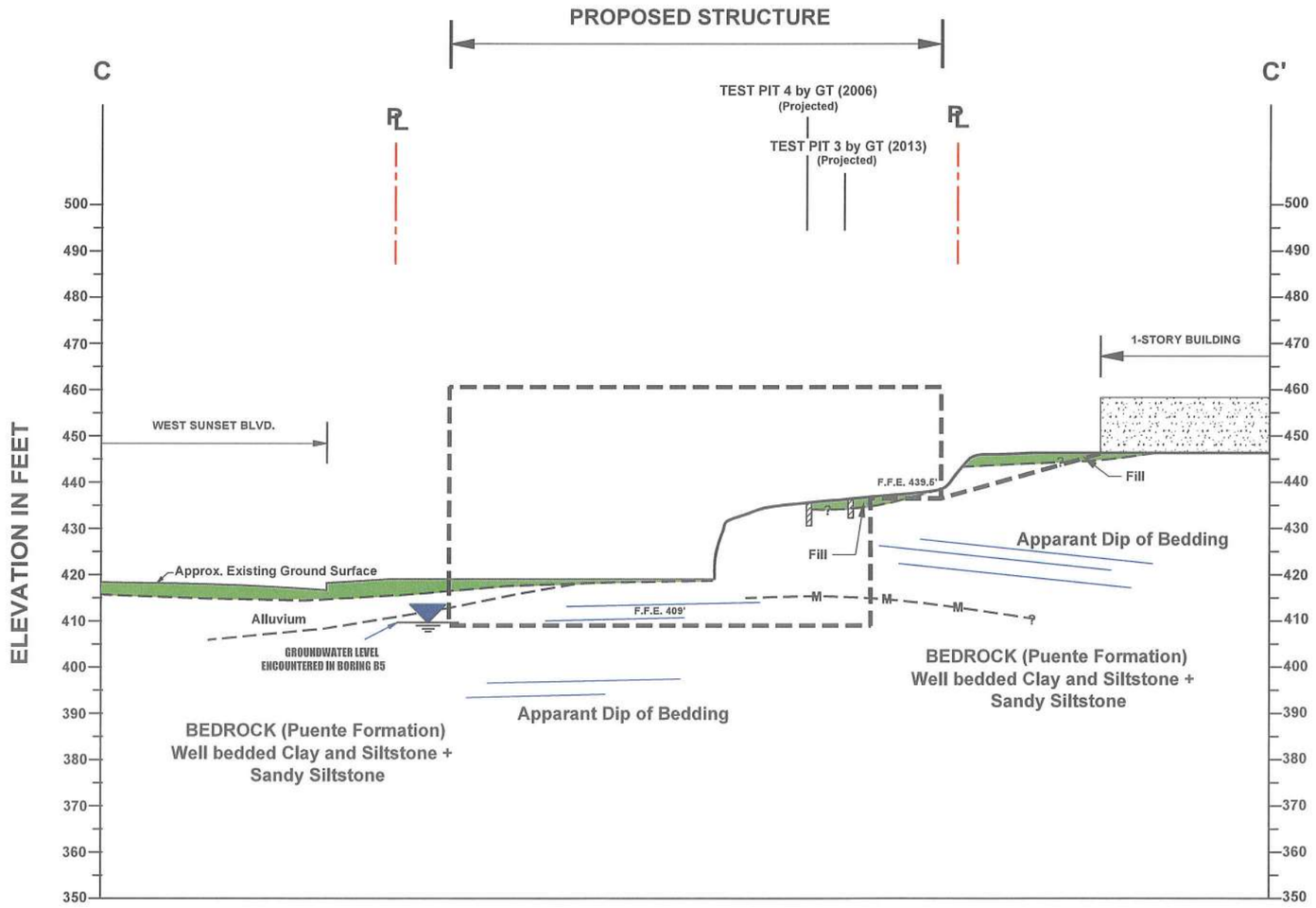
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION C-C'

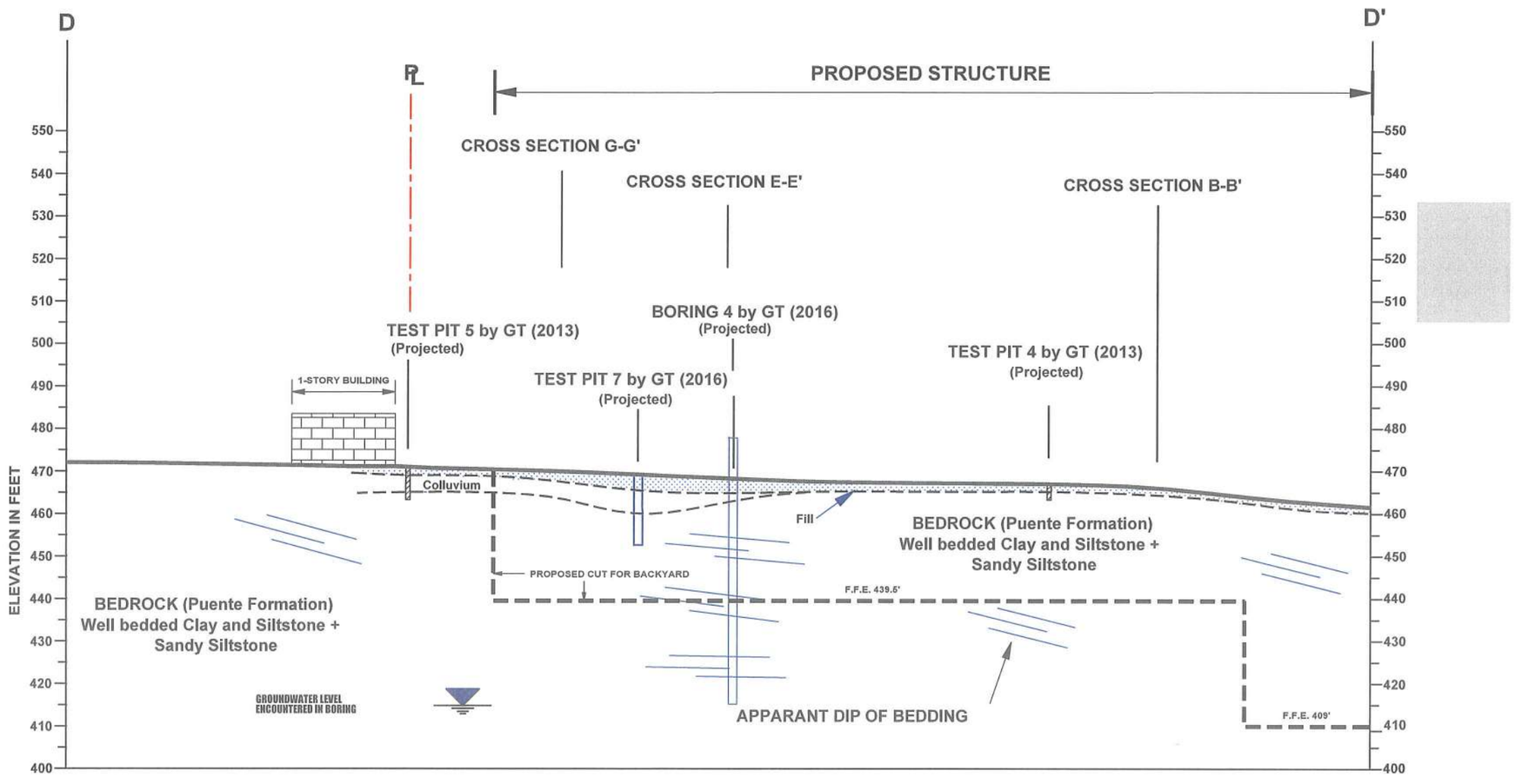
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION D-D'

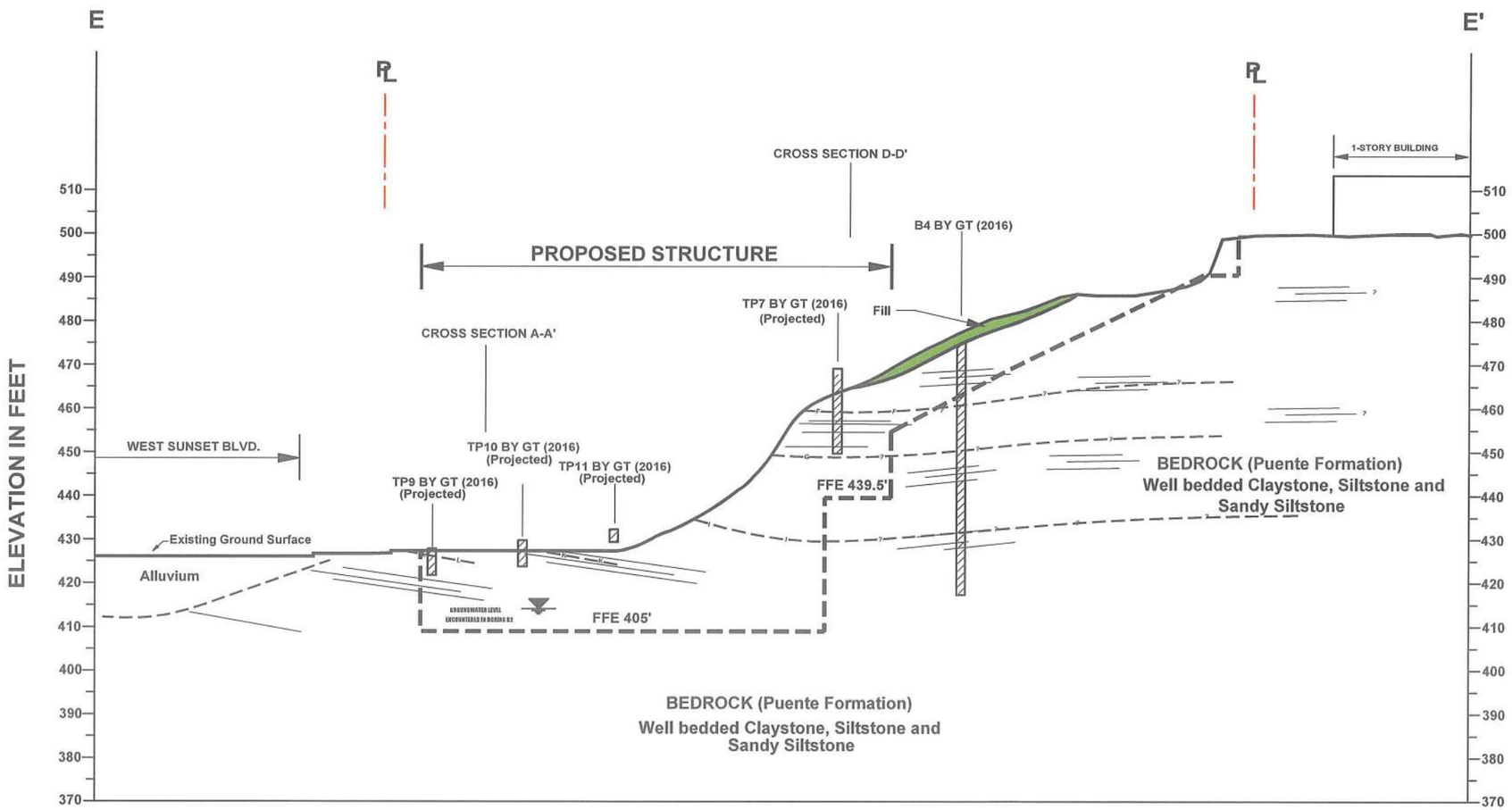
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION E-E'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

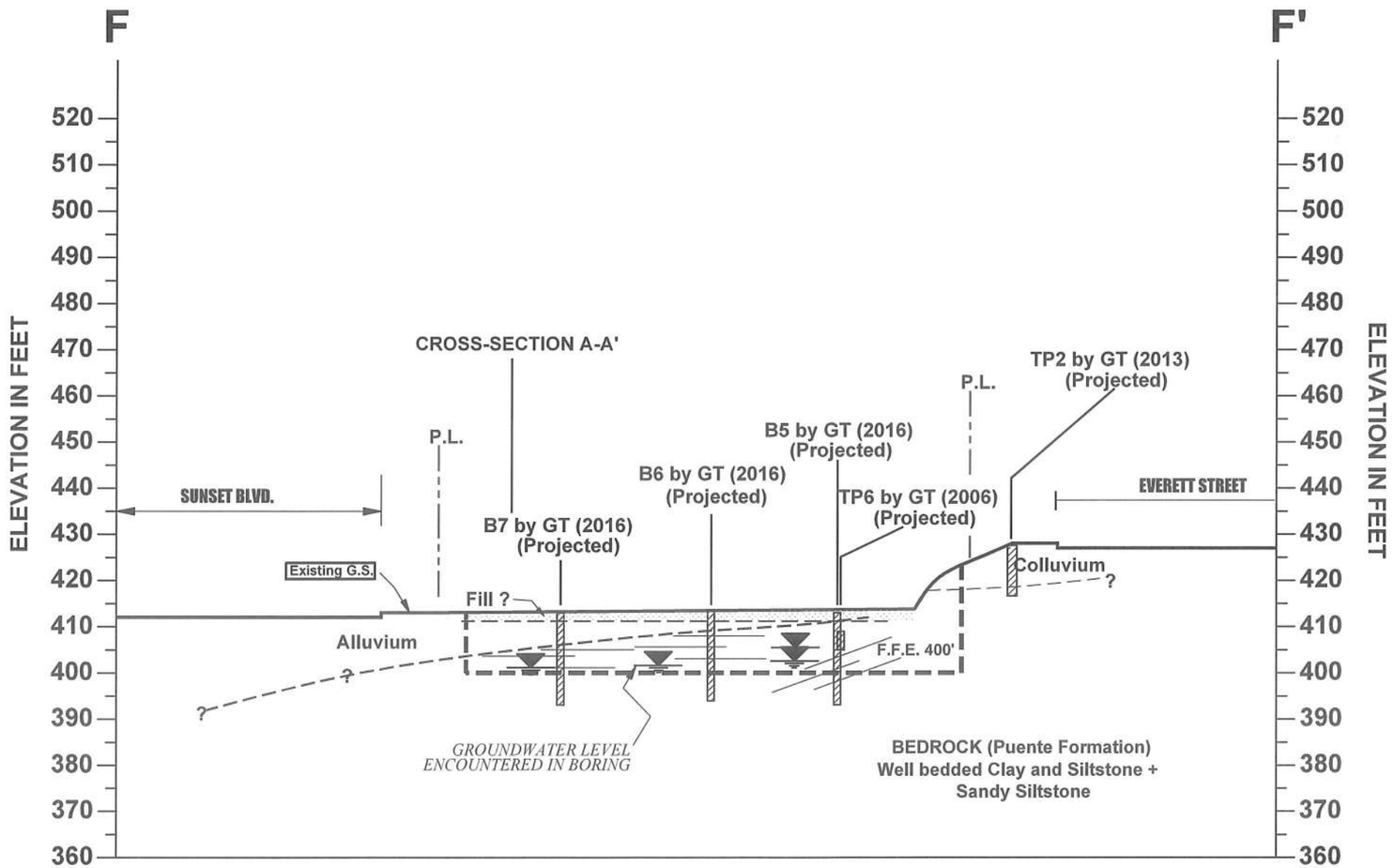
DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

E

F

F'



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION F-F'

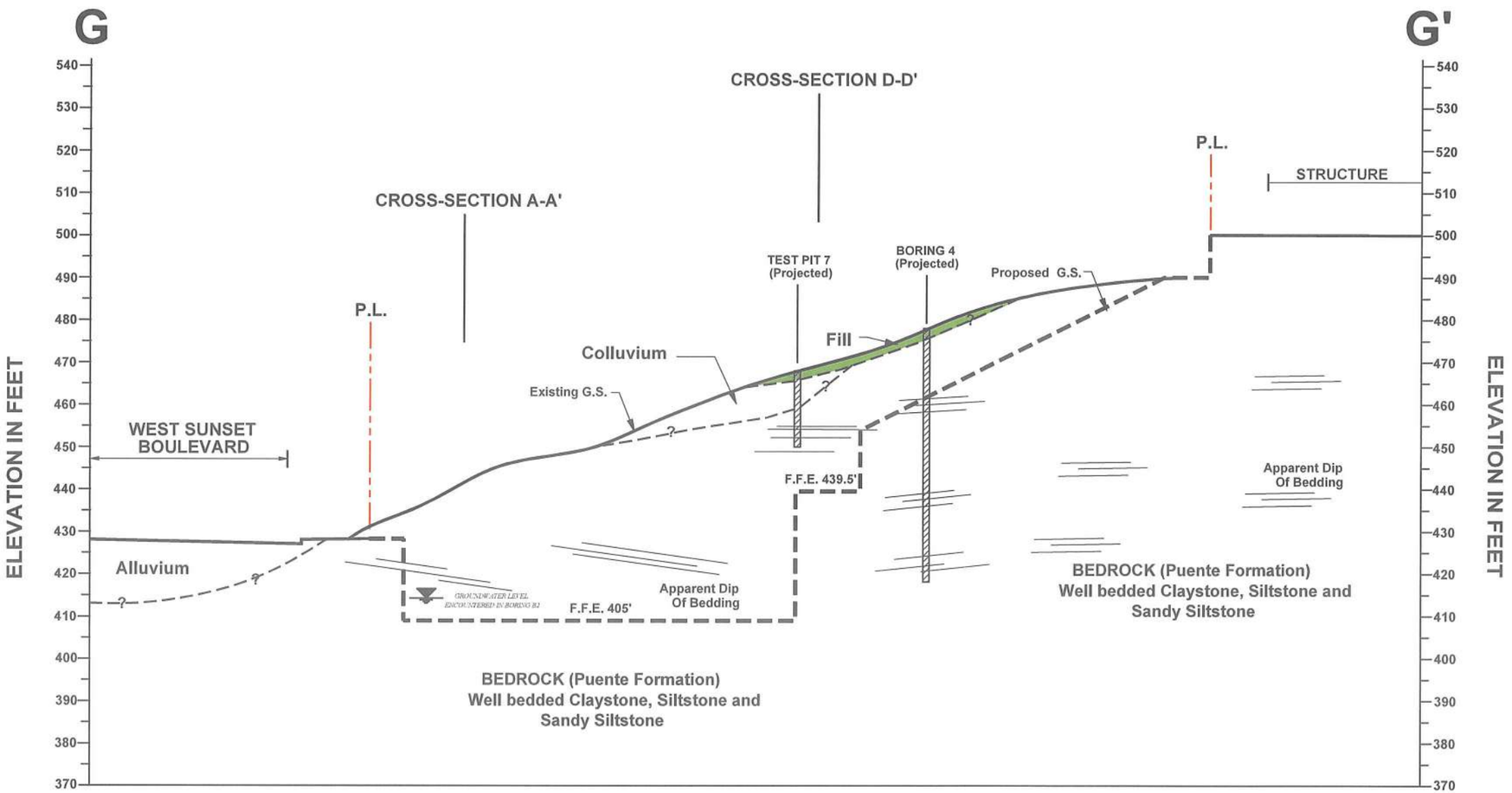
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

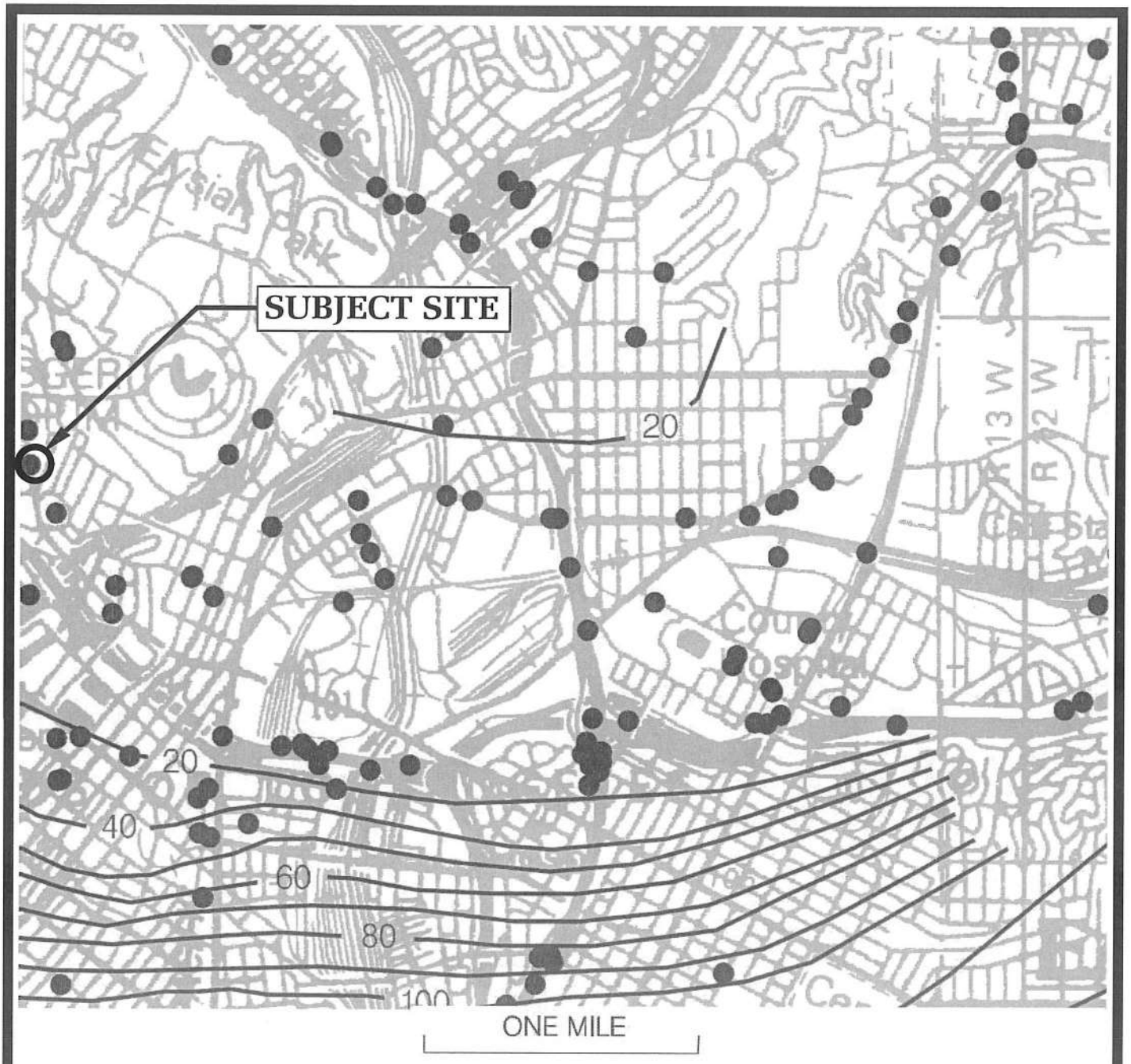
CROSS SECTION G-G'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023



20 Depth to groundwater in feet

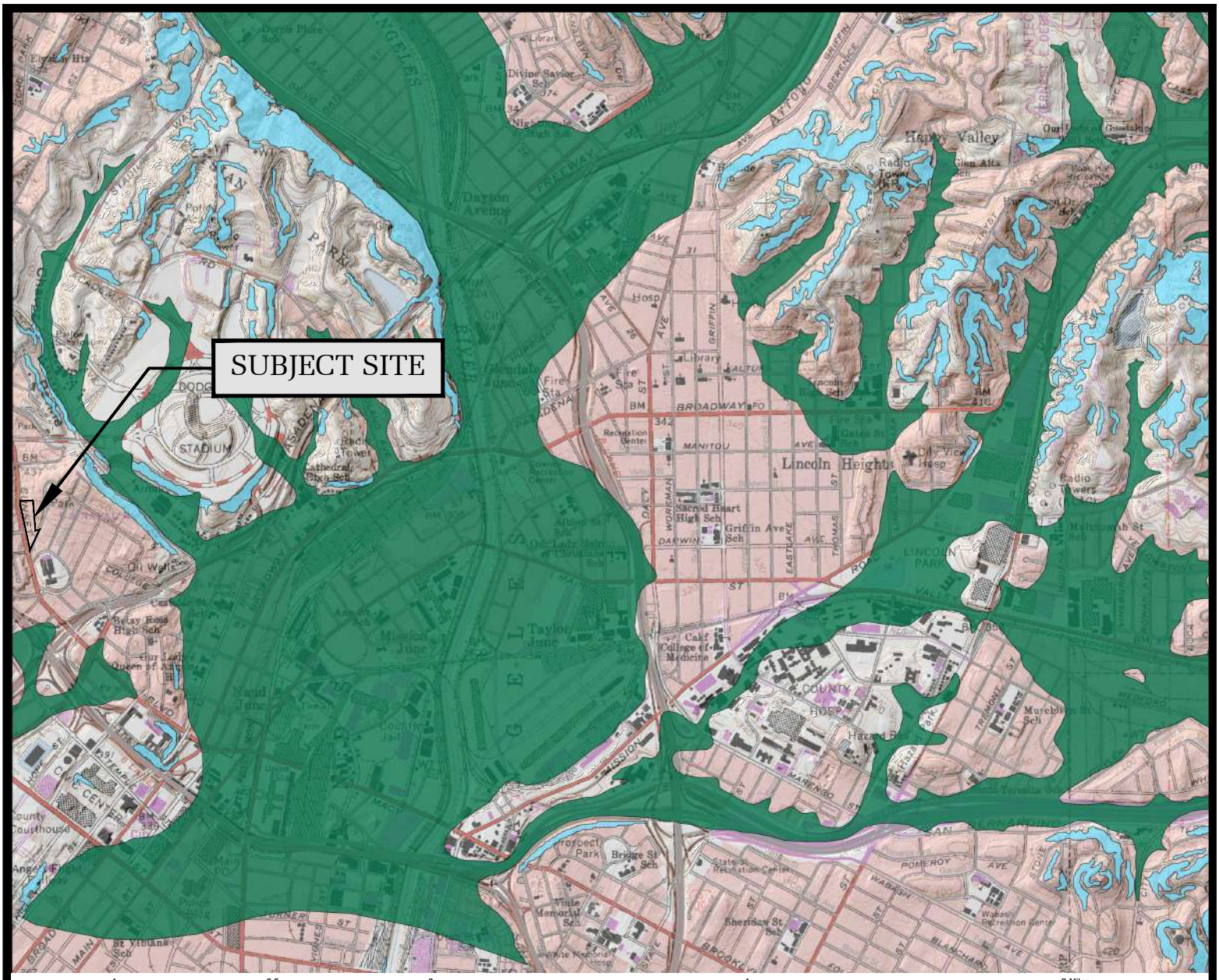
REFERENCE: CDMG, SEISMIC HAZARD ZONE REPORT, 029
LOS ANGELES 7.5 - MINUTE QUADRANGLE, LOS ANGELES COUNTY, CALIFORNIA (1998, REVISED 2006)

HISTORICALLY HIGHEST GROUNDWATER LEVELS

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE No. 20489



LIQUEFACTION ZONES

EARTHQUAKE INDUCED LANDSLIDE ZONES

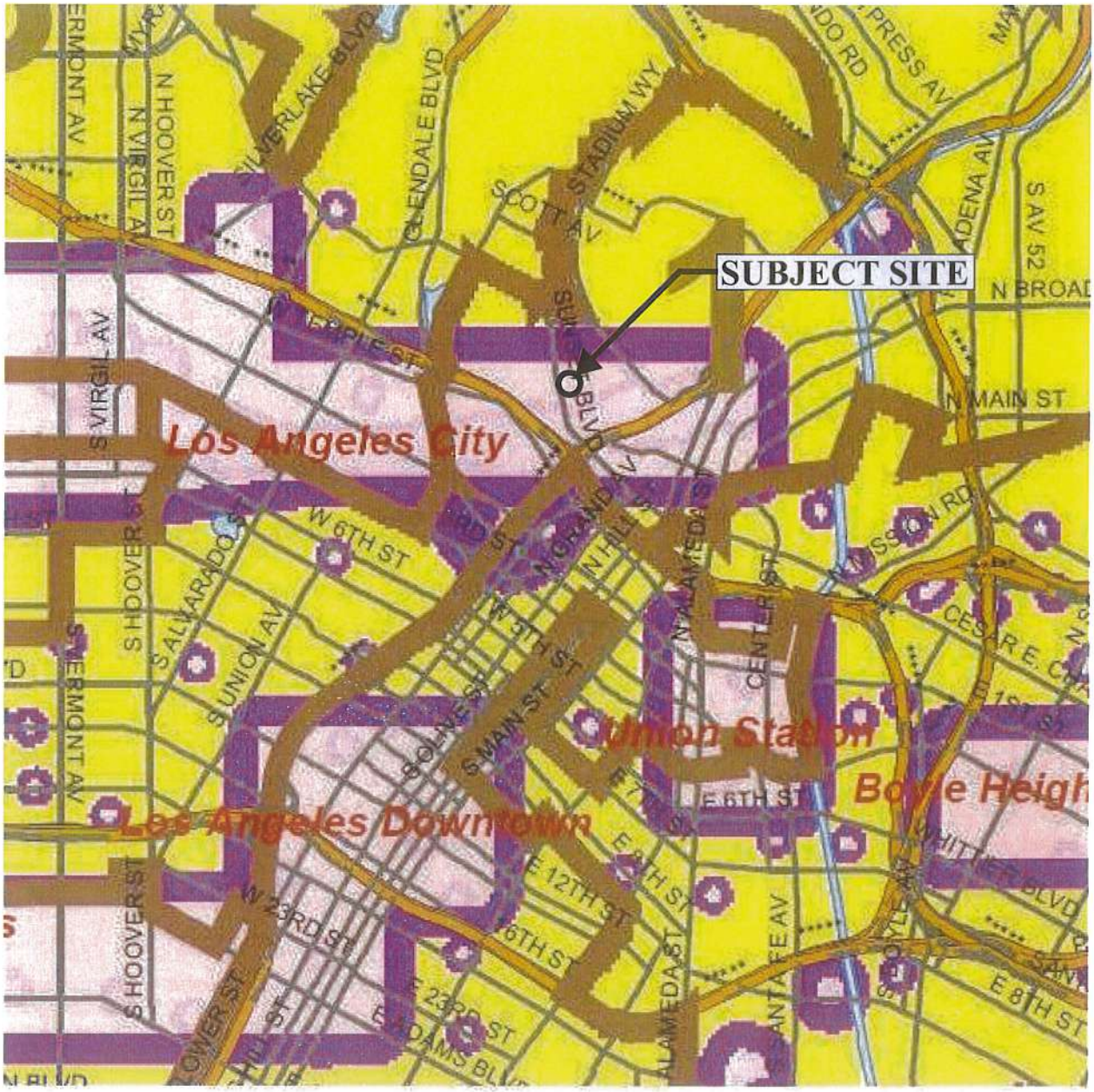
REFERENCE: EARTHQUAKE ZONES OF REQUIRED INVESTIGATION, LOS ANGELES QUADRANGLE (CGS, 2017)

EARTHQUAKE ZONES OF REQUIRED INVESTIGATION

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO: 20489



REFERENCE: GIS Mapping, Bureau of Engineering, Department fo Public Works - 09/24/03

METHANE ZONE RISK MAP

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489

Appendix A1

Excavation Logs

Boring Logs B1 through B6
Test Pits TP1 through TP6

File No. 19267, Report dated October 18, 2006

BORING LOG NUMBER 1

Drilling Date: 09/01/06 **Elevation: 408'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 3-inch Asphalt, No Base
				0 --		FILL: Sandy Clay, brown and medium brown, moist, firm
				-		
				1 --		
				-		
				2 --		
				-		
3	39			3 --		
				-		
				4 --		
				-		
5	77			5 --		
				-		
				6 --		BEDROCK (PUENTE FORMATION): Sandstone, light gray and gray, moist, hard, fine grained, moderately weathered, well bedded
				-		
7	70			7 --		
				-		grayish-brown and orange-brown
				8 --		
				-		
				9 --		
				-		
10	35			10 --		
	50/5"			-		some interbedded Siltstone
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	33			15 --		
	50/5"			-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		
				-		
20	36		Disturbed	20 --		
	50/5"			-		Total depth: 20 feet
				21 --		No Water
				-		Fill to 5½ feet
				22 --		
				-		
				23 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual
				-		
				24 --		
				-		Used 8-inch diameter Hollow-Stem Auger
				25 --		140-lb. Slide Hammer, 30-inch drop
				-		Modified California Sampler used unless otherwise noted
				26 --		
				-		SPT=Standard Penetration Test
				27 --		
				-		
				28 --		
				-		
				29 --		
				-		
				30 --		
				-		

BORING LOG NUMBER 2

Drilling Date: 08/31/06 **Elevation: 423'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 3-inch Concrete, No Base
				0 --		BEDROCK (PUENTE FORMATION): Interbedded Sandstone and Siltstone, light gray, brown and orange-brown, moist, hard, slightly weathered, well bedded
				1 --		
2	8			2 --		Bedding: [N85W, 20S]
				3 --		minor vertical joints [N32E, 90] [N40E, 90]
				4 --		some caliche on joint surfaces
5	3			5 --		
				6 --		Bedding: [N85W, 20S]
				7 --		
				8 --		
				9 --		light to moderate seepage
10	8			10 --		moderate seepage
				11 --		
				12 --		
				13 --		
				14 --		heavy seepage
				15 --		Total depth: 15 feet Seepage at 9 to 15 feet Standing Water at 14 feet No Caving No Fill
				16 --		
				17 --		
				18 --		
				19 --		
				20 --		
				21 --		
				22 --		
				23 --		
				24 --		
				25 --		
				26 --		
				27 --		
				28 --		
				29 --		
				30 --		

BORING LOG NUMBER 3

Drilling Date: 08/30/06 **Elevation: 414'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 5-inch Asphalt, No Base
				0 --		FILL: Silty Sand, orange-brown, moist, medium dense, fine grained, some gravel
				-		
				1 --		
				-		
2	Push			2 --		Sandy Clay, brown, moist, stiff, some gravel
				-		
				3 --		
				-		
				4 --		
				-		
5	1			5 --		Sandy Silt, medium brown, moist, firm
				-		
				6 --		
				-		
7	1			7 --	CL	Sandy Clay, medium brown, moist, firm
				-		
				8 --		
				-		
				9 --		
				-		
10	Push			10 --	ML	Clayey Silt, grayish-brown, orange-brown, very moist, soft
				-		
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	1			15 --		BEDROCK (PUENTE FORMATION): Interbedded Sandstone and Siltstone, gray and light brown, very moist, hard, fine grained, highly weathered
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		
				-		
20	1			20 --		gray, dark gray and orange-brown, slightly weathered, well bedded
				-		
				21 --		
				-		
				22 --		
				-		
				23 --		
				-		
				24 --		
				-		
25	3			25 --		Total depth: 25 feet Seepage at 15 to 25 feet Standing Water at 15 feet No Caving Fill to 7 feet
				-		
				26 --		
				-		
				27 --		
				-		
				28 --		
				-		
				29 --		
				-		
				30 --		
				-		

BORING LOG NUMBER 4

Drilling Date: 08/30/06 **Elevation: 413'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 5-inch Asphalt, No Base
				0 --		FILL: Silty Sand, orange-brown, moist, medium dense, fine grained, some gravel
				1 --		
2	Push			2 --	ML	Clayey Silt, grayish-brown, moist, firm
				3 --		
				4 --		
5	Push			5 --		medium to dark brown
				6 --		
7	1			7 --	ML	Sandy Silt, medium brown, moist, firm to stiff, some caliche
				8 --		
				9 --		
10	1			10 --	SM	Silty Sand, medium brown and gray, moist to very moist, medium dense, fine grained
				11 --		
				12 --		
12½	Push			13 --	ML	Sandy silt, medium brown and gray, very moist to wet, soft to firm
				14 --		
15	Push			15 --		
				16 --		
				17 --		
17½	Push			18 --		
				19 --		BEDROCK (PUENTE FORMATION): Sandstone, gray, light gray, orange-brown, moist, hard, slightly weathered, fine grained, bedded
20	1			20 --		Total depth: 20 feet Seepage at 12 to 20 feet Standing Water at 12 feet No Caving Fill to 2 feet
				21 --		
				22 --		
				23 --		
				24 --		
				25 --		
				26 --		
				27 --		
				28 --		
				29 --		
				30 --		

BORING LOG NUMBER 5

Drilling Date: 08/31/06 **Elevation: 416'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 6-inch Asphalt, No Base
				0 --		FILL: Silty Sand to Sandy Silt, orange-brown, moist, dense to firm, fine grained, minor steel and plastic debris
1	3			1 --		
				2 --		
3	3			3 --		BEDROCK (PUENTE FORMATION): Interbedded Siltstone and Sandstone, light gray, gray, brown and orange-brown, moist, hard, slightly weathered, fine grained, well bedded
				4 --		
5	5			5 --		Bedding: [N78W, 36S]
				6 --		Bedding: [N85E, 25S]
7	8			7 --		
				8 --		
				9 --		
10	6			10 --		moderate seepage
				11 --		Total depth: 10 feet Seepage at 9½ to 10 feet No Caving Fill to 2 feet
				12 --		
				13 --		
				14 --		
				15 --		
				16 --		
				17 --		
				18 --		
				19 --		
				20 --		
				21 --		
				22 --		
				23 --		
				24 --		
				25 --		
				26 --		
				27 --		
				28 --		
				29 --		
				30 --		

BORING LOG NUMBER 6

Drilling Date: 08/31/06 **Elevation: 421.5'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 4-inch Concrete, No Base
				0 --		FILL: Sandy Silt to Silty Sand, light brown to medium brown, moist, firm to dense, fine grained
				1 --		
2	3			2 --		BEDROCK (PUENTE FORMATION): Interbedded Sandstone and Siltstone, gray, orange-brown, light brown and brown, moist, hard, fine grained, moderately weathered, well bedded
				3 --		
				4 --		Bedding: [N40E, 18S]
5	8			5 --		slightly weathered
				6 --		Bedding: [N40E, 22S]
				7 --		
				8 --		
				9 --		
10	7			10 --		
				11 --		
				12 --		moderate to heavy seepage
				13 --		Total depth: 12 feet Seepage at 11½ to 12 feet No Caving Fill to 1½ feet
				14 --		
				15 --		
				16 --		
				17 --		
				18 --		
				19 --		
				20 --		
				21 --		
				22 --		
				23 --		
				24 --		
				25 --		
				26 --		
				27 --		
				28 --		
				29 --		
				30 --		

LOG OF TEST PIT NUMBER 1

Drilling Date: 09/06/06 **Elevation: 477'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground Gently Slopes towards West
			0 --		**FILL: Clayey Sand, medium brown, slightly moist, medium dense, fine grained, minor debris**
			-		
1			1 --		
			-	CL	**Sandy Clay, dark brown, slightly moist, stiff, trace rootlets**
			2 --		
			-		**BEDROCK (PUENTE FORMATION): interbedded Sandstone and Siltstone, light brown and gray, moist, hard, fine grained, moderately weathered, well bedded**
3			3 --		
			-		
			4 --		**Bedding: [N84E, 18S], [N87E, 22S]**
			-		
			5 --		**Total depth: 4 feet**
			-		**No Water**
			6 --		**No Caving**
			-		**Fill to ½ foot**
			7 --		
			-		
			8 --		
			-		
			9 --		
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		
			26 --		
			-		
			27 --		
			-		
			28 --		
			-		
			29 --		
			-		
			30 --		
			-		

LOG OF TEST PIT NUMBER 2

Drilling Date: 09/06/06 **Elevation: 479'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground Gently Slopes towards West
			0 --		**FILL: Clayey Sand, medium brown, slightly moist, dense, fine grained**
			-		
			1 --		
			-		
2			2 --		**abundant glass, metal debris**
			-		
			3 --		**BEDROCK (PUENTE FORMATION): interbedded Sandstone and Siltstone, light brown, gray and orange-brown, moist, hard fine grained, slightly weathered, well bedded**
			-		
4			4 --		**Bedding: [N80E, 12S], [N85E, 20S]**
			-		
			5 --		
			-		**Total depth: 5 feet**
			6 --		**No Water**
			-		**No Caving**
			7 --		**Fill to 2½ feet**
			-		
			8 --		
			-		
			9 --		
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		
			26 --		
			-		
			27 --		
			-		
			28 --		
			-		
			29 --		
			-		
			30 --		
			-		

LOG OF TEST PIT NUMBER 3

Drilling Date: 09/06/06 **Elevation: 452'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground Gently Slopes to Southwest
			0 --		**FILL: Clayey Sand, medium brown, slightly moist, medium dense, fine grained**
			-		
			1 --		
			-		**BEDROCK (PUENTE FORMATION): interbedded Sandstone and Siltstone, light brown, light gray, orange-brown, slightly moist, hard, fine grained, moderately weathered, well bedded**
2			2 --		**Bedding: [N27E, 40NE], [N20W, 40NE]**
			-		
			3 --		
			-		**Total depth: 3 feet**
			4 --		**No Water**
			-		**No Caving**
			5 --		**Fill to ½ foot**
			-		
			6 --		
			-		
			7 --		
			-		
			8 --		
			-		
			9 --		
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		
			26 --		
			-		
			27 --		
			-		
			28 --		
			-		
			29 --		
			-		
			30 --		
			-		

LOG OF TEST PIT NUMBER 4

Drilling Date: 09/06/06 **Elevation: 434'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground and Weeds Gently Slopes to Southwest
			0 --		**FILL: Clayey Sand, medium brown, slightly moist, medium dense, fine to medium grained, some concrete debris**
			-		
			1 --		
			-		
2			2 --		
			-		**BEDROCK (PUENTE FORMATION): interbedded Siltstone and Sandstone, light brown, gray, and orange-brown, moist, hard, slightly weathered, fine grained, well bedded**
			3 --		
			-		
4			4 --		**Bedding: [N82E, 20S], [N85W, 25S]**
			-		
			5 --		
			-		**Total depth: 5 feet**
			6 --		**No Water**
			-		**No Caving**
			7 --		**Fill to 2 feet**
			-		
			8 --		
			-		
			9 --		
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		
			26 --		
			-		
			27 --		
			-		
			28 --		
			-		
			29 --		
			-		
			30 --		
			-		

LOG OF TEST PIT NUMBER 5

Drilling Date: 09/08/06 **Elevation: 476'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Grass
			0 --		FILL: Sandy Clay to Clayey Sand, dark brown, slightly moist, stiff to medium dense, fine grained, abundant roots
			-		
1			1 --		
			-		
			2 --		
			-		BEDROCK (PUENTE FORMATION): interbedded Sandstone and Siltstone, light brown, gray, orange-brown, moist, hard, fine grained, moderately weathered, well bedded
3			3 --		
			-		Bedding: [N89E, 17S]
			4 --		Minor Vertical Fractures [N57W, 90], [N87E, 90]
			-		some caliche on bedding and fracture surfaces
			5 --		
			-		Total depth: 4 feet
			6 --		No Water
			-		No Caving
			7 --		Fill to 2 feet
			-		
			8 --		
			-		
			9 --		
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		
			26 --		
			-		
			27 --		
			-		
			28 --		
			-		
			29 --		
			-		
			30 --		
			-		

LOG OF TEST PIT NUMBER 6

Drilling Date: 09/08/06 **Elevation: 409'**

Project: File No. 19267 **Mercy Housing California**

km

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: 3-inch Asphalt, No Base
			0 --		**FILL: Silty Sand to Sandy Silt, light brown and grayish-brown, moist, dense to stiff, fine grained, abundant gravel**
			-		
1			1 --		
			-		
			2 --		
			-		
3			3 --		**BEDROCK (PUENTE FORMATION): interbedded Sandstone and Siltstone, light gray, light brown, brown, orange-brown and medium brown, moist, hard, fine grained, moderately to highly weathered, bedded**
			-		
			4 --		**Bedding: [N85W, 45S], [N82W, 43S], [N80W, 55S]**
			-		**Depth to bedrock varies between 1 and 2½ feet**
			5 --		
			-		
			6 --		**Total depth: 4 feet**
			-		**No Water**
			7 --		**No Caving**
			-		**Fill to 2½ feet**
			8 --		
			-		
			9 --		
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		
			26 --		
			-		
			27 --		
			-		
			28 --		
			-		
			29 --		
			-		
			30 --		
			-		

Appendix A2

Excavation Logs

Boring Logs B1 through B3
Test Pits TP1 through TP6

File No. 20489, Report dated April 09, 2013,
updated June 24, 2014

BORING LOG NUMBER 1

Aragon Properties, LLC **Date: 02/20/13** **Elevation: 409'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Asphalt Driveway
				0 --		4-inch Asphalt over 4-inch Base
				-		
				1 --		FILL: Sandy to Clayey Silt, dark brown, moist, stiff
				-		
				2 --		
2.5	32	19.1	110.1	-		
				3 --		
				-	ML	ALLUVIUM: Sandy to Clayey Silt, dark to medium brown, moist, stiff
				4 --		
				-		
5	30	22.9	104.4	5 --		
				-	ML/CL	Clayey Silt to Silty Clay, dark and grayish brown mottling
				6 --		
				-		
				7 --		
7.5	47	31.1	94.2	-		
				8 --	ML/SM	Sandy Silt to Silty Sand, yellow and grayish brown mottling, moist, stiff, medium dense, fine grained, minor rock fragments
				-		
				9 --		
				-		
10	37	26.6	96.5	10 --		
				-		BEDROCK (PUENTE FORMATION): Interbedded Siltstone and Sandstone, well bedded, moderately weathered, yellow and grayish brown mottling, moist, moderately hard
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	44	32.9	92.7	15 --		
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		
				-		
20	35	24.3	100.4	20 --		
	50/4"			-		dark and yellowish brown
				21 --		
				-		
				22 --		
				-		
				23 --		
				-		
				24 --		
				-		
25	59	23.9	97.6	25 --		
				-		yellow and grayish brown

BORING LOG NUMBER 1

Aragon Properties, LLC

File No. 20489

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description
				26 --		
				27 --		
				28 --		
				29 --		
30	44 50/5"	31.3	93.2	30 --		
				31 --		Total depth: 30 feet Water at 17½ feet Fill to 3 feet
				32 --		
				33 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual
				34 --		
				35 --		Used 8-inch diameter Hollow-Stem Auger 140-lb. Automatic Hammer, 30-inch drop Modified California Split Spoon Sampler
				36 --		
				37 --		
				38 --		
				39 --		
				40 --		
				41 --		
				42 --		
				43 --		
				44 --		
				45 --		
				46 --		
				47 --		
				48 --		
				49 --		
				50 --		

BORING LOG NUMBER 2

Aragon Properties, LLC **Date: 02/20/13** **Elevation: 419.5'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Asphalt Parking Lot
				0 --		4-inch Asphalt, No Base
				-		
				1 --		FILL: Clayey Silt to Silty Clay, dark to yellowish brown, moist, stiff
				-		
				2 --		
2.5	29	27.8	9.9	-		
				3 --		
				-		BEDROCK (PUENTE FORMATION): interbedded Siltstone and Sandstone (fine grained), yellow and dark brown mottling, moist, moderately hard, well bedded, not weathered
				4 --		
				-		
5	39	27.0	98.6	5 --		
				-		
				6 --		
				-		
				7 --		
7.5	80	26.3	100.8	-		
				8 --		dark and yellowish brown mottling
				-		
				9 --		
				-		
10	81	27.8	99.4	10 --		
				-		
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	74	26.0	99.2	15 --		
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		
				-		
20	80	28.5	98.0	20 --		
				-		
				21 --		
				-		
				22 --		
				-		
				23 --		
				-		
				24 --		
				-		
25	53	26.8	95.0	25 --		
				-		Siltstone, yellow and grayish brown mottling

BORING LOG NUMBER 2

Aragon Properties, LLC

File No. 20489

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description
				- 26 -- - 27 -- - 28 -- - 29 -- -		
30	97	22.2	104.7	30 -- - 31 -- - 32 -- - 33 -- - 34 -- - 35 -- - 36 -- - 37 -- - 38 -- - 39 -- - 40 -- - 41 -- - 42 -- - 43 -- - 44 -- - 45 -- - 46 -- - 47 -- - 48 -- - 49 -- - 50 -- -		**Total depth: 30 feet** **Water at 17 feet** **Fill to 3 feet** **NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual** **Used 8-inch diameter Hollow-Stem Auger** **140-lb. Automatic Hammer, 30-inch drop** **Modified California Split Spoon Sampler**

BORING LOG NUMBER 3

Aragon Properties, LLC **Date: 02/20/13** **Elevation: 424'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

km

*Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Concrete Driveway
				0 --		4½-inch Concrete, No Base
				-		
				1 --		FILL: Clayey Silt to Silty Clay, yellowish brown, moist, stiff
				-		
				2 --		
2.5	68	35.6	87.2	-		
				3 --		
				-		BEDROCK (PUENTE FORMATION): Siltstone, yellow and dark brown, moist, moderately hard, well bedded, moderately weathered
				4 --		
				-		
5	81	35.5	90.0	5 --		Siltstone interbedded with Sandstone, yellow and gray
				-		
				6 --		
				-		
				7 --		
7.5	94	33.2	92.8	-		
				8 --		
				-		
				9 --		
				-		
10	55	28.2	98.3	10 --		
				-		
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	57	26.6	98.8	15 --		
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		
				-		
20	70	26.6	101.6	20 --		
	50/5"			-		Siltstone interbedded with Sandstone, yellow and grayish brown mottling, moist, moderately hard to hard
				21 --		
				-		
				22 --		
				-		
				23 --		
				-		
				24 --		
				-		
25	75	24.9	100.7	25 --		
				-		

BORING LOG NUMBER 3

Aragon Properties, LLC

File No. 20489

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description
				26 --		
				27 --		
				28 --		
				29 --		
30	80	25.0	102.1	30 --		
				31 --		
				32 --		
				33 --		
				34 --		
35	86	26.3	100.6	35 --		
				36 --		
				37 --		
				38 --		
				39 --		
40	48 50/2.5"	25.4	103.3	40 --		
				41 --		**Total depth: 40 feet** **Water at 9½ feet** **Fill to 3 feet**
				42 --		
				43 --		**NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual**
				44 --		
				45 --		**Used 8-inch diameter Hollow-Stem Auger** **140-lb. Automatic Hammer, 30-inch drop** **Modified California Split Spoon Sampler**
				46 --		
				47 --		
				48 --		
				49 --		
				50 --		

LOG OF TEST PIT NUMBER 1

Aragon Properties, LLC **Drilling Date: 02/21/13** **Elevation: 407'***

File No. 20489 **Method: Hand Dug Test Pit**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Planter Box
			0 --		FILL: Silty Sand, dark brown, moist, medium dense, fine grained, minor gravel
			1 --		
No Sample Taken					Sandy Silt, dark brown, moist, stiff, some gravel
			2 --		
			3 --		Clayey Silt to Silty Clay, dark brown
			4 --		
				ML	ALLUVIUM: Sandy Silt, dark to medium brown, moist, stiff
			5 --		
			6 --		
			7 --		Total depth: 6 feet No Water Fill to 4 feet
			8 --		
			9 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
			10 --		
			11 --		Excavated 30" x 30" Test Pit to 5 feet Performed Percolation Test at Bottom Cut 1' x 1' x1' cube at base of Test Pit
			12 --		
			13 --		
			14 --		
			15 --		
			16 --		
			17 --		
			18 --		
			19 --		
			20 --		
			21 --		
			22 --		
			23 --		
			24 --		
			25 --		

LOG OF TEST PIT NUMBER 2

Aragon Properties, LLC **Drilling Date: 02/21/13** **Elevation: 425'***

File No. 20489 **Method: Hand Dug Test Pit**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Asphalt Slope Cover
			0 --		3½-inch Asphalt over 1½-inch Base
			-		
1	15.9	113.4	1 --		FILL: Clayey Silt to Silty Clay, dark brown, moist, stiff
			-		
			2 --		ALLUVIUM: Clayey Silt to Silty Clay, dark brown, moist, stiff
			-		
3	14.3	116.5	3 --		
			-		
			4 --		
			-		
5	17.9	109.7	5 --		
			-		dark and medium brown
			6 --		
			-		
7	14.9	105.1	7 --		
			-		
			8 --		
			-		
			9 --		
			-	ML	Sandy Silt, medium brown, moist, stiff, minor rock fragments
10	19.8	85.4	10 --		
			-		BEDROCK (PUENTE FORMATION): Siltstone, yellowish brown, moist,
			11 --		moderately hard
			-		
			12 --		Total depth: 11 feet
			-		No Water
			13 --		Fill to 1 foot
			-		
			14 --		
			-		NOTE: The stratification lines represent the approximate
			15 --		boundary between earth types; the transition may be gradual.
			-		
			16 --		Excavated 30" x 30" Test Pit to 5 feet
			-		Deepened with 5" diameter Hand Auger to 11 feet
			17 --		Hand Tools and Hand Sampling Equipment
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		

LOG OF TEST PIT NUMBER 3

Aragon Properties, LLC **Drilling Date: 02/21/13** **Elevation: 444'***

File No. 20489 **Method: Hand Dug Test Pit**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground, Southwest Descending Slope
			0 --		FILL: Sandy to Clayey Silt, dark brown, moist, stiff, pieces of wood and metal
			-		
1	9.2	86.3	1 --		
			-		
			2 --		BEDROCK (PUENTE FORMATION): Siltstone, light yellow, slightly moist, moderately hard
			-		
3	7.4	94.7	3 --		Siltstone to Sandstone, light yellow, slightly moist, moderately hard
			-		
			4 --		
			-		
5	13.2	86.9	5 --		
			-		
			6 --		
			-		
7	19.1	93.2	7 --		Siltstone, yellowish brown, moist, moderately hard
			-		
			8 --		
			-		
			9 --		
			-		Siltstone, yellow and grayish brown, moist, moderately hard
10	22.5	91.3	10 --		
			-		Total depth: 10 feet
			11 --		No Water
			-		Fill to 1½ feet
			12 --		
			-		
			13 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
			-		
			14 --		
			-		Excavated 30" x 30" Test Pit to 5 feet
			15 --		Deepened with 5" diameter Hand Auger to 10 feet
			-		Hand Tools and Hand Sampling Equipment
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		

LOG OF TEST PIT NUMBER 4

Aragon Properties, LLC **Drilling Date: 02/21/13** **Elevation: 480'***

File No. 20489 **Method: Hand Dug Test Pit**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground, West Descending Slope
			0 --		FILL: Sandy to Clayey Silt, dark brown, moist, firm, pieces glass
			-		
1	8.0	88.1	1 --		
			-		BEDROCK (PUENTE FORMATION): interbedded Siltstone and Sandstone
			2 --		(fine grained), light yellow, moist, moderately hard, weathered, well bedded
			-		
3	7.7	95.5	3 --		
3.5	10.2	92.5	-		less weathered
			4 --		
			-		Total depth: 4 feet
			5 --		No Water
			-		Fill to 1 foot
			6 --		
			-		
			7 --		NOTE: The stratification lines represent the approximate
			-		boundary between earth types; the transition may be gradual.
			8 --		
			-		Excavated 30" x 30" Test Pit to 5 feet
			9 --		Hand Tools and Hand Sampling Equipment
			-		
			10 --		
			-		
			11 --		
			-		
			12 --		
			-		
			13 --		
			-		
			14 --		
			-		
			15 --		
			-		
			16 --		
			-		
			17 --		
			-		
			18 --		
			-		
			19 --		
			-		
			20 --		
			-		
			21 --		
			-		
			22 --		
			-		
			23 --		
			-		
			24 --		
			-		
			25 --		
			-		

LOG OF TEST PIT NUMBER 5

Aragon Properties, LLC **Drilling Date: 02/21/13** **Elevation: 470'***

File No. 20489 **Method: Hand Dug Test Pit**

km *Reference: Topographic Map by Site Tech, Inc., not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground, West Descending Slope
			0 --		FILL: Sandy Silt to Silty Clay, dark brown, moist, loose, pieces of concrete
1	15.4	81.3	1 --		
			2 --		
				ML/CL	COLLUVIUM: Clayey Silt to Silty Clay, dark brown, moist, stiff
3	15.9	92.0	3 --		
			4 --		
5	16.0	89.8	5 --		
				ML	Silty to Clayey Silt, medium brown, moist, stiff, minor rock fragments
			6 --		
7	14.6	92.7	7 --		BEDROCK (PUENTE FORMATION): Siltstone, light yellow, moist, moderately hard, well bedded, moderately weathered
			8 --		
					Total depth: 8 feet No Water No Caving Fill to 2 feet
			9 --		
			10 --		
			11 --		
			12 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
			13 --		Excavated 30" x 30" Test Pit to 8 feet Hand Tools and Hand Sampling Equipment
			14 --		
			15 --		
			16 --		
			17 --		
			18 --		
			19 --		
			20 --		
			21 --		
			22 --		
			23 --		
			24 --		
			25 --		

LOG OF TEST PIT NUMBER 6

Aragon Properties, LLC **Drilling Date: 02/21/13** **Elevation: 409'***

File No. 20489 **Method: Hand Dug Test Pit**

km *Reference: Topographic Map by Site Tech, Inc., not dated

	Depth in feet	USCS Class.	Description Surface Conditions: Asphalt Parking Lot
	0 --		4-inch Asphalt over 2-inch Base
	-		
	1 --		FILL: Silty Sand to Sand, yellowish brown, moist, medium dense, fine grained
	-		
	2 --		
	-		Sand, yellowish brown, moist, medium dense, fine grained
	3 --		
	-		
	4 --		Silty Sand, dark brown, moist, medium dense, fine grained
	-		
	5 --		
	-		
	6 --		Excavated top of steel storage tank
	-		
	7 --		Total depth: 6 feet
	-		No Water
	8 --		Fill to 6 feet
	-		
	9 --		
	-		NOTE: The stratification lines represent the approximate
	10 --		boundary between earth types; the transition may be gradual.
	-		
	11 --		Excavated 30" x 30" Test Pit to 6 feet
	-		Hand Tools and Hand Sampling Equipment
	12 --		
	-		
	13 --		
	-		
	14 --		
	-		
	15 --		
	-		
	16 --		
	-		
	17 --		
	-		
	18 --		
	-		
	19 --		
	-		
	20 --		
	-		
	21 --		
	-		
	22 --		
	-		
	23 --		
	-		
	24 --		
	-		
	25 --		
	-		

Appendix A3

Excavation Logs

Boring Logs B4 though B6
Test Pits TP7 and TP8

File No. 20489, Report dated May 18, 2017

BORING LOG NUMBER 4

Aragon Properties **Date: 12/13/16** **Elevation: 478'***

File No. 20489 **Method: 24-inch diameter Bucket Auger**

km *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground
				0 --		FILL: Silty Clay, grayish brown to dark brown, moist, stiff,
				-		Siltstone fragments to ½", porous, roots to 1" diameter
				1 --		
				-		
				2 --		
				-		
				3 --		stiff
				-		
				4 --		
				-		BEDROCK (PUENTE FORMATION): Siltstone, yellowish
5	40/10"	3.4	103.8	5 --		brown, slightly moist, moderately hard to hard, well bedded,
				-		very weathered, moderately fractured, caliche on fracture
				6 --		surfaces, not planar but sharp contact
				-		6.1' Sandstone, light greenish gray
				7 --		7.0' gopher hole
				-		7.6' Siltstone, Bedding [N59W, 19SE]
				8 --		8.2' Caliche filling with fractures, light reddish brown with
				-		blueish gray
				9 --		8.5' Sandstone, fine grained, coarse as with depth
				-		9.4' Siltstone, bluish gray and reddish brown mottled, fractures
10	45/10"	7.3	92.7	10 --		into 1" pieces, caliche on fracture surfaces
				-		10.0' Sandstone, light grayish brown
				11 --		10.2' Siltstone, less weathered, fractured, moderately well
				-		bedded, Bedding [N69W, 15SW]
				12 --		11.4' Sandstone, light grayish brown
				-		11.6' Siltstone, reddish brown to bluish gray mottled
				13 --		12.1' Sandstone, light gray, fissile
				-		12.4' Siltstone, mottled bluish gray to reddish brown,
				14 --		Bedding [N85W, 14SW]
				-		13.2' Sandstone, light gray
15	50/10"	10.3	96.2	15 --		13.4' Siltstone, Bedding [N78W, 15SW]
				-		13.7' Sandstone
				16 --		13.9' Siltstone, light bluish gray and reddish brown, well
				-		bedded, fissile
				17 --		15.6' Sandstone, fine grained, Bedding [N79W, 16SW]
				-		16.0' Siltstone, root to 1/4" diameter
				18 --		17.1' Sandstone, light reddish brown, Bedding [N69W, 13SW]
				-		17.3' Siltstone
				19 --		17.4' Sandstone and Siltstone, interbeds 1/2-1" thick
				-		18.3' Sandstone, fissile, moderately hard
20	60/10"	6.5	104.1	20 --		18.8' Sandstone, medium grained, hard
				-		19.5' Sandstone
				21 --		20.5' Siltstone, well bedded, fissile, interbedded with Sandstone
				-		1/4-2" thick
				22 --		21.0' Siltstone, Bedding [N71W,15SW]
				-		21.6' Interbedded Sandstone and Siltstone
				23 --		22.5' Sandstone grayish blue, Siltstone reddish brown
				-		23.4' Sandstone, light bluish gray, Bedding [N69W, 14SW]
				24 --		24.1' Sandstone 4" thick, reddish brown
				-		24.6' Siltstone, bluish gray
25	60/6"	14.2	91.9	25 --		25.1' Sandstone, dark red, 1/8" thick, Siltstone gray and
				-		Sandstone reddish brown, 2" thick, Beds [N73W, 14SW]

BORING LOG NUMBER 4

Aragon Properties

File No. 20489

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description
				-		
				26 --		
				-		
				27 --		
				-		27.7' Siltstone, moderately hard to hard, slightly moist, vertical fractures brakes to 8" pieces, Bedding [N79W, 14SW], well bedded
				28 --		
				-		28.1' interbedded Sandstone, Siltstone
				29 --		29.9' Sandstone, light bluish gray, friable, [N75W, 14SW]
				-		30.2' Interbedded Sandstone and Siltstone, 1/2-1" thick, reddish brown, light gray
30	60/6"	13.6	93.9	30 --		
				-		
				31 --		
				-		
				32 --		32.9' Sandstone, light reddish brown, fissile, Beds [N76W, 14SW]
				-		33.3' interbedded Sandstone (reddish brown), Clayey Siltstone (greenish brown), well bedded, poorly fissile
				33 --		33.9' gypsum 1/8" thick along bedding, Bedding [N74W, 17SW]
				-		34.4' Sandstone bed reddish brown
				34 --		34.6' interbedded Siltstone and Sandstone
				-		
35	70/8"	16.1	90.4	35 --		
				-		
				36 --		
				-		37.3' Sandstone, grayish brown, gypsum crystals, interbedded with Clayey Siltstone
				37 --		38.2' Sandstone (light gray) with 1/4 inch thick Clayey Siltstone beds (reddish brown), gypsum layer 1/4" thick
				-		39.3' Sandstone, grayish brown, not friable
				38 --		
				-		40.0' Clayey Siltstone with gypsum beds 1/4" thick grayish brown
				39 --		40.8' Sandstone, grayish brown, light brown, mottled, internal laminations, not fissile, Bedding [N66W, 13SW]
				-		41.2' Interbedded Sandy Siltstone with Clayey Siltstone, moderately hard
40	70/8"	6.8	99.6	40 --		42.0' Gypsum layer 1/4" thick on Sandstone, light gray
				-		42.4' interbedded Clayey Siltstone (light gray), and Sandy Siltstone (reddish brown)
				41 --		43.3' Sandstone, mottled grayish brown and reddish brown
				-		43.8' Interbedded Sandstone and Clayey Siltstone, with gypsum layers 1/4" thick along Bedding [N71N, 13SW]
				42 --		
				-		thick concretion
				43 --		
				-		45.4' Concretion Sandstone 3" thick, gray, very hard
				44 --		45.7' Interbedded Sandstone and Clayey Siltstone, beds 2-3" thick, Sandstone 5" thick
				-		
				45 --		
				-		49.0' Sandstone, gray to light gray, Bedding [N75W, 12SW]
				46 --		49.3' Interbedded Sandstone (light brown and reddish brown), with Clayey Siltstone (gray), beds 1/2 - 1" thick, poorly fissile
				-		
				47 --		
				-		
				48 --		
				-		
				49 --		
				-		
50	80/8"	18.5	88.0	50 --		
				-		

BORING LOG NUMBER 4

Aragon Properties

File No. 20489

km

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description
				51 --		
				52 --		
				53 --		52.6' Sandstone reddish brown, moist, fissile, Bedding [N71W, 13SW]
				54 --		53.1' Clayey Siltstone
				55 --		53.3' Sandstone
				56 --		53.6' Clayey Siltstone, light gray
				57 --		54.6' Concretion Sandstone, very hard, grayish brown
				58 --		55.0' Interbedded Clayey Siltstone (mottled bluish gray and brown) with Sandstone (brown and light brown)
				59 --		56.7' Sandstone, grayish brown, fissile
60	105/8"	19.2	94.0	60 --		57.3' Clayey Siltstone, reddish brown and brown
				61 --		Total Depth 60 feet
				62 --		No Seepage
				63 --		No Caving
				64 --		Downhole logged by Geologist
				65 --		Fill to 4 feet
				66 --		
				67 --		Kelly Weights 0 - 6.5' = 2141 lbs.
				68 --		6.5 - 13' = 1583 lbs.
				69 --		13 - 19.5' = 1308 lbs.
				70 --		19.5 - 26' = 1071 lbs.
				71 --		
				72 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
				73 --		
				74 --		Used 24-inch diameter Bucket Auger, 12-inch drop
				75 --		

BORING LOG NUMBER 5

Aragon Properties **Date: 10/17/16** **Elevation: 412'***

File No. 20489 **Method: 24-inch diameter Bucket Auger**

km *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Flat Asphalt Parking Lot
				0 --		5-inch Asphalt over 5" Base, Sandy Gravel, gray
				-		
				1 --		
				-		BEDROCK (PUENTE FORMATION): Silty Sandstone and
				2 --		Sandy Siltstone, light yellowish brown, moist, moderately hard,
				-		well bedded, thinly bedded 1/4" - 1" thick
				3 --		
				-		3.8' Caliche beds 1/4" thick, 2 to 6" apart
				4 --		4.0' Bedding [N69W, 41SW]
				-		
5	1/12"	23.6	100.0	5 --		
				-		
				6 --		
				-		
				7 --		7.0' Bedding [N67W, 51SW]
				-		7.4' Sandstone, bluish gray and reddish brown, micaceus
				8 --		7.8' interbedded Sandstone and Silty Claystone, reddish brown
				-		
				9 --		9.0' Sandstone, bluish gray, moist to wet, seepage from bedding
				-		9.6' reddish brown
10	1/12"	24.9	99.1	10 --		
				-		
				11 --		11.0' Bedding [N67W, 49SW]
				-		
				12 --		12.0' Sandstone, seepage
				-		
				13 --		
				-		
				14 --		
				-		14.4' concretion, Bedding [N68W, 45SW], brownish gray
15	1/12"	24.2	101.5	15 --		
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		19.0' water surface in boring at end of logging
				-		
20	1/12"	23.0	95.9	20 --		
				-		Total Depth 20 feet
				21 --		Seepage at 9 and 12 feet
				-		Sloughing at 12 feet
				22 --		Downhole logged by Geologist
				-		
				23 --		Kelly Weights 0-25' = 5000 lbs.
				-		25-49' = 3800 lbs.
				24 --		
				-		NOTE: The stratification lines represent the approximate
				25 --		boundary between earth types; the transition may be gradual.
				-		
						Used 24-inch diameter Bucket Auger, 12-inch drop

BORING LOG NUMBER 6

Aragon Properties **Date: 10/17/16** **Elevation: 412'***

File No. 20489 **Method: 24-inch diameter Bucket Auger**

km *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Flat Asphalt Parking Lot
				0 --		3-inch Asphalt over 4" Base
				-		
				1 --		COLLUVIUM: Clay (reddish brown), Sandy Gravel (gray), moist, stiff
				-		
				2 --		
				-		
				3 --		
				-		
				4 --		BEDROCK (PUENTE FORMATION): Siltstone, mottled reddish brown and bluish gray, well bedded, moderately hard, moist
				-		
5	1/12"	26.2	94.5	5 --		5.0' Bedding [N81E, 25SE]
				-		5.7' Caliche layers along bedding
				6 --		6.0' Sandstone, reddish brown, friable
				-		6.3' Bedding [N72E, 19SE]
				7 --		
				-		7.9' Sandstone, bluish gray, friable
				8 --		8.0' Interbedded Sandy Siltstone and Clayey Siltstone, reddish brown and bluish gray, caliche along beds
				-		
				9 --		8.1' Concretion, hard, 16" thick
				-		
10	2/12"	22.7	104.8	10 --		10.1' Claystone, bluish gray
				-		10.2' Bedding [N86E, 20SE], Sandstone, reddish brown, friable
				11 --		
				-		11.5' Seepage from Sandstone bed
				12 --		
				-		12.8' Bedding [N82E, 23SE]
				13 --		
				-		
				14 --		
				-		
15	2/12"	25.9	99.0	15 --		
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		18.5' water surface at end of logging
				19 --		
				-		
20	2/12"	20.9	102.4	20 --		
				-		Total Depth 20 feet
				21 --		Seepage 11½ feet
				-		Sloughing below 12 feet
				22 --		Downhole logged by Geologist
				-		
				23 --		Kelly Weights 0-25' = 5000 lbs.
				-		25-50' = 3800 lbs.
				24 --		
				-		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
				25 --		
				-		Used 24-inch diameter Bucket Auger, 12-inch drop

BORING LOG NUMBER 7

Aragon Properties **Date: 10/17/16** **Elevation: 411'***

File No. 20489 **Method: 24-inch diameter Bucket Auger**

km *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Flat Asphalt Parking Lot
				0 --		4½-inch Asphalt over 5" Base
				-		
				1 --		COLLUVIUM: Clay (reddish brown), Sandy Gravel (gray),
				-		moist, few roots to 1/8" diameter
				2 --		
				-		
				3 --		
				-		
				4 --		
				-		
5	PUSH/ 12"	26.7	96.7	5 --		
				-		
				6 --		
				-		
				7 --		BEDROCK (PUENTE FORMATION): Interbedded Clayey
				-		Siltstone and Silty Sandstone, grayish brown and reddish brown,
				8 --		moderately hard, moist, weathered, sharp inclined contact, roots
				-		
				9 --		7.5' 1" thick caliche layer, white
				-		7.7' Sandstone, reddish brown, 4" thick
10	1/10"	24.3	98.3	10 --		8.0' Interbedded Silty Sandstone and Clayey Siltstone, well bedded, beds 1/4 - 1" thick
				-		
				11 --		8.7' Sandstone, greenish gray
				-		9.0' Siltstone, reddish brown and brownish gray and white mottling, with concretions
				12 --		
				-		9.7' Silty Sandstone, light reddish brown, moist
				13 --		10.4' Bedding [N79W, 22SW], interbedded Silty Sandstone reddish brown, with Clayey Siltstone grayish brown, beds 1/2-3" deep
				-		
				14 --		
				-		12.0' Seepage from Sandstone bed
15	2/10"	20.1	104.8	15 --		14.0' Bedding [N77W, 15SW]
				-		
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		18.5' water surface at end of logging
				19 --		
				-		
20	1/10"	27.8	98.1	20 --		
				-		Total Depth 20 feet
				21 --		Seepage 12 feet
				-		Sloughing below 14 feet
				22 --		Downhole logged by Geologist
				-		
				23 --		Kelly Weights 0-25' = 5000 lbs.
				-		25-50' = 3800 lbs.
				24 --		
				-		NOTE: The stratification lines represent the approximate
				25 --		boundary between earth types; the transition may be gradual.
				-		
						Used 24-inch diameter Bucket Auger, 12-inch drop

LOG OF TEST PIT NUMBER 7

Aragon Properties **Drilling Date: 10/13/16** **Elevation: 468'***

File No. 20489 **Method: Hand Tools**

km *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground
			0 --		FILL Silty Sand, trace gravel to 1", light yellowish brown, slightly moist, firm to soft, roots 10" diameter
1	6.7	87.0	1 --		
			2 --		
3	10.0	87.2	3 --		
			4 --		Sandy Gravel, gravel to 3", light brown, horizontal contact
5	14.1	105.0	5 --		COLLUVIUM: Clay, dark gray to black, moist, stiff
			6 --		
7	14.4	106.8	7 --		Silty Sand, reddish brown, slightly moist, medium dense, siltstone fragments to 4", roots to 1/8"
			8 --		
			9 --		
10	13.4	86.6	10 --		BEDROCK (PUENTE FORMATION): Silty Sandstone, reddish brown and bluish gray, fractures to 1/4" to 1" sized pieces, abundant caliche on fracture surfaces
			11 --		Sandstone, reddish brown, Bedding [N72E, 18SE]
			12 --		11.4' Bedding [N77W, 18SW], light brown and light gray mottled
			13 --		12.9' interbedded Siltstone and Sandstone
			14 --		13.1' caliche bed, white, 1/2" thick, along bedding 13.6' mottled light reddish brown and bluish gray, slightly moist, moderately hard
			15 --		14.0' Siltstone, reddish brown
			16 --		14.3' Sandstone, light bluish gray 14.5' interbedded Siltstone and Sandstone
			17 --		15.6' Sandstone, dark reddish brown 16.4' interbedded Siltstone and Sandstone
			18 --		17.0' Bedding [N82W, 16SW]
			19 --		Total Depth 18 feet No Water
			20 --		No Caving Downhole logged by Geologist
			21 --		
			22 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
			23 --		Used 4-inch diameter Hand-Augering Equipment; Hand Sampler
			24 --		
			25 --		

LOG OF TEST PIT NUMBER 8

Aragon Properties **Drilling Date: 10/17/16** **Elevation: 447'***

File No. 20489 **Method: Hand Tools**

km *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Moisture Content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Bare Ground
			0 --		FILL: Clayey Silt, light grayish brown, slightly moist to dry, pieces of plastic and glass, soft
			1 --		
			2 --		
			3 --		BEDROCK (PUENTE FORMATION): Siltstone and Sandstone, well bedded, fissile, moderately hard
			4 --		3.5' Bedding [N05W, 33NE]
					4.5' Sandstone bed 5" thick, reddish brown
			5 --		interbedded Siltstone and Sandstone
			6 --		
					6.9' caliche layer 1/2" thick
			7 --		7.0' Sandstone greenish gray 5" thick
					7.5' caliche beds 1/2" thick, interbedded Siltstone and Sandstone, thinly bedded
			8 --		8.0' Bedding [N15W, 34NE]
	NO SAMPLES TAKEN		9 --		
			10 --		10.0' Bedding [N12W, 33NE]
			11 --		
					12.0' Sandstone, grayish brown and reddish brown mottled, slightly moist, moderately hard
			12 --		12.5' Siltstone
			13 --		Total Depth 13 feet
			14 --		No Water
					No Caving
			15 --		Downhole logged by Geologist
			16 --		
			17 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
			18 --		
			19 --		
			20 --		
			21 --		
			22 --		
			23 --		
			24 --		
			25 --		

Appendix A4

Excavation Logs (Photos)

Test Pits TP9 through TP24

File No. 20489, Report dated May 18, 2017

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 1 – Looking West

Photo 2 – Looking South

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 3 - Test Pit 11, 12

Photo 4 – Test Pit 11, 12, 13

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 5 - Test Pit 11, 12, 13

Photo 6 - Test Pit 11, 12, 13, 14

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 7 - Test Pit 13, 14

Photo 8 – Test Pit 15, 16

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 9 - Test Pit 17, 18, 19

Photo 10 – Test Pit 19, 8

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 11 - Test Pit 19, 8, 20

Photo 12 – Test Pit 20, 21

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 13 - Test Pit 21, 22

Photo 14 – Test Pit 9 A

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 15 - Test Pit 9 B

Photo 16 – Test Pit 9 C

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 17 - Test Pit 10 A

Photo 18 – Test Pit 10 B

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 19 - Test Pit 10 C

Photo 20 – Test Pit 11

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 21 - Test Pit 12

Photo 22 – Test Pit 13

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 23 - Test Pit 14 A

Photo 24 – Test Pit 14 B

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 25 - Test Pit 15 A

Photo 26 – Test Pit 15 B

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 27 - Test Pit 16

Photo 28 – Test Pit 17 A

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 29 - Test Pit 17 B

Photo 30 – Test Pit 17 C

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 31 - Test Pit 17 D

Photo 32 – Test Pit 17 E

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 33 - Test Pit 18 A

Photo 34 – Test Pit 18 B

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 35 - Test Pit 18 C

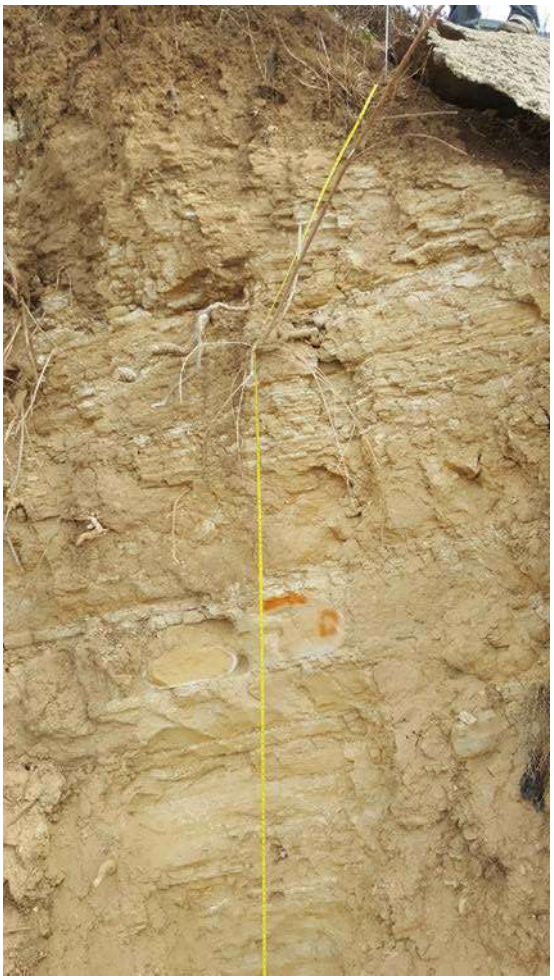


Photo 36 – Test Pit 19 A

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 37 - Test Pit 19 B

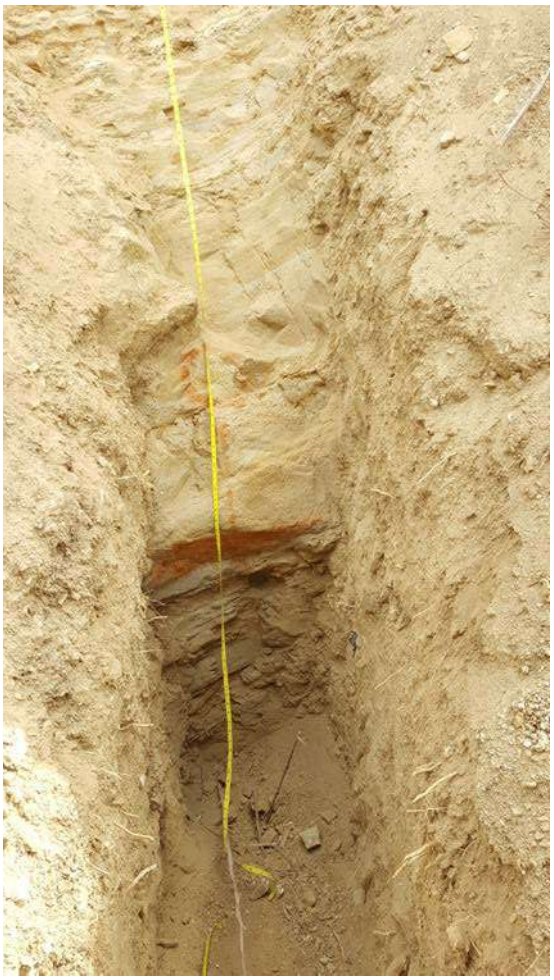


Photo 38 – Test Pit 19 C

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 39 - Test Pit 20 A

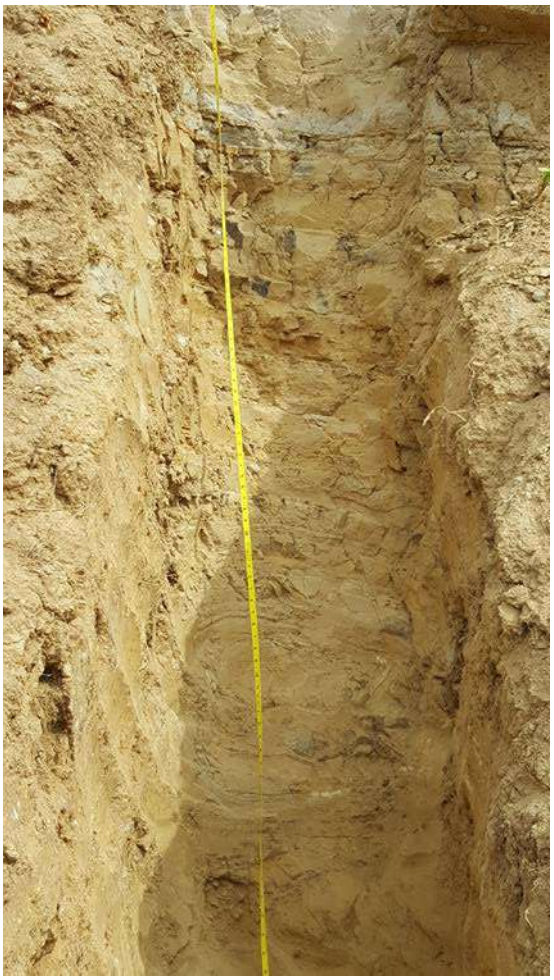


Photo 40 – Test Pit 20 B

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 41 - Test Pit 20 C

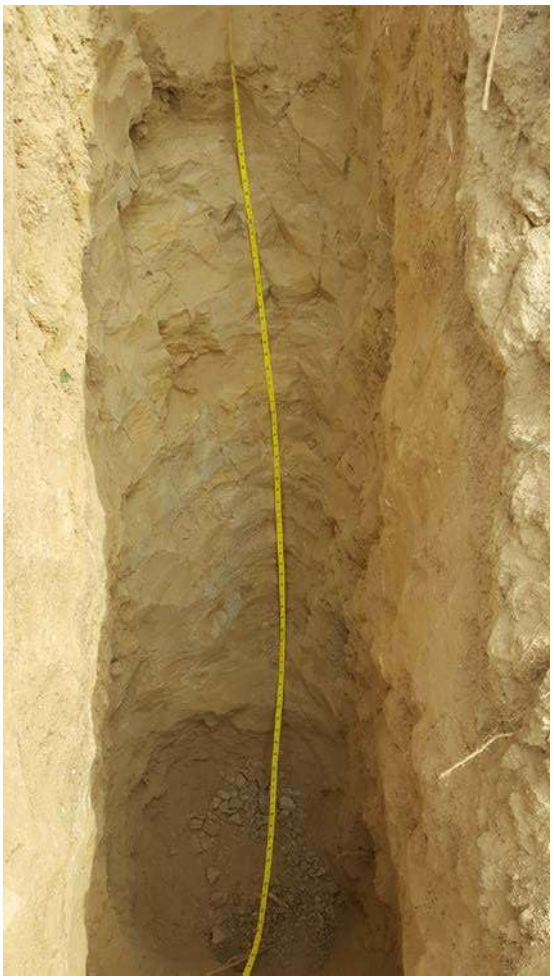


Photo 42 – Test Pit 20 D

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 43 - Test Pit 21 A

Photo 44 – Test Pit 21 B

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 45 - Test Pit 21 C

Photo 46 – Test Pit 22 A

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 47 - Test Pit 22 B

Photo 48 – Test Pit 22 C

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 49 – Test Pit 23 General Vicinity

Photo 50 – Test Pit 23 A

Photo 51 – Test Pit 23 B

Photo 52 – Test Pit 23 C

Photo 53 – Test Pit 23 D

Photo 54 – Test Pit 23 E

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 55 – Test Pit 23 F

Photo 56 – Test Pit 23 G

Photo 57 – Test Pit 23 H

Photo 58 – Test Pit 23 I

Photo 59 – Test Pit 23 J

Photo 60 – Test Pit 23 K

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 61 – Test Pit 23 L

Photo 62 – Test Pit 24 General Vicinity

Photo 63 – Test Pit 24 A

Photo 64 – Test Pit 24 B

Photo 65 – Test Pit 24 C

Photo 66 – Test Pit 24 D

PHOTO SHEET

File No.: 20489
File Name: Aragon Properties LTD

Photo 67 – Test Pit 24 E

Photo 68 – Test Pit 24 F

Photo 69 – Test Pit 24 G

Appendix A5
Excavation Logs By Petra Geotechnical

Boring Logs B-1 and B-2

Job Number 558-04
Report dated October 07, 2004

APPENDIX A

LOGS OF BORINGS

Boring Number	Depth (ft.)	Description
B-1		**BEDROCK – Puente Formation (Tp)**
	0.0 – 7.0	CLAYSTONE – yellow brown, moist, hard, slightly weathered
	7.0 – 10.0	SILTSTONE AND CLAYSTONE – – interbedded, yellow brown to greenish gray, moist, hard, very thinly bedded
	10.0 – 30.0	SILTSTONE AND CLAYSTONE – – interbedded, yellow brown to greenish gray, very moist, hard, laminations in SILTSTONE, very thinly bedded, moderately weathered
		Groundwater seepage at 24 feet.
		End of boring at 31.0 feet. No caving. Groundwater seepage encountered at 24 feet.

APPENDIX A

LOGS OF BORINGS

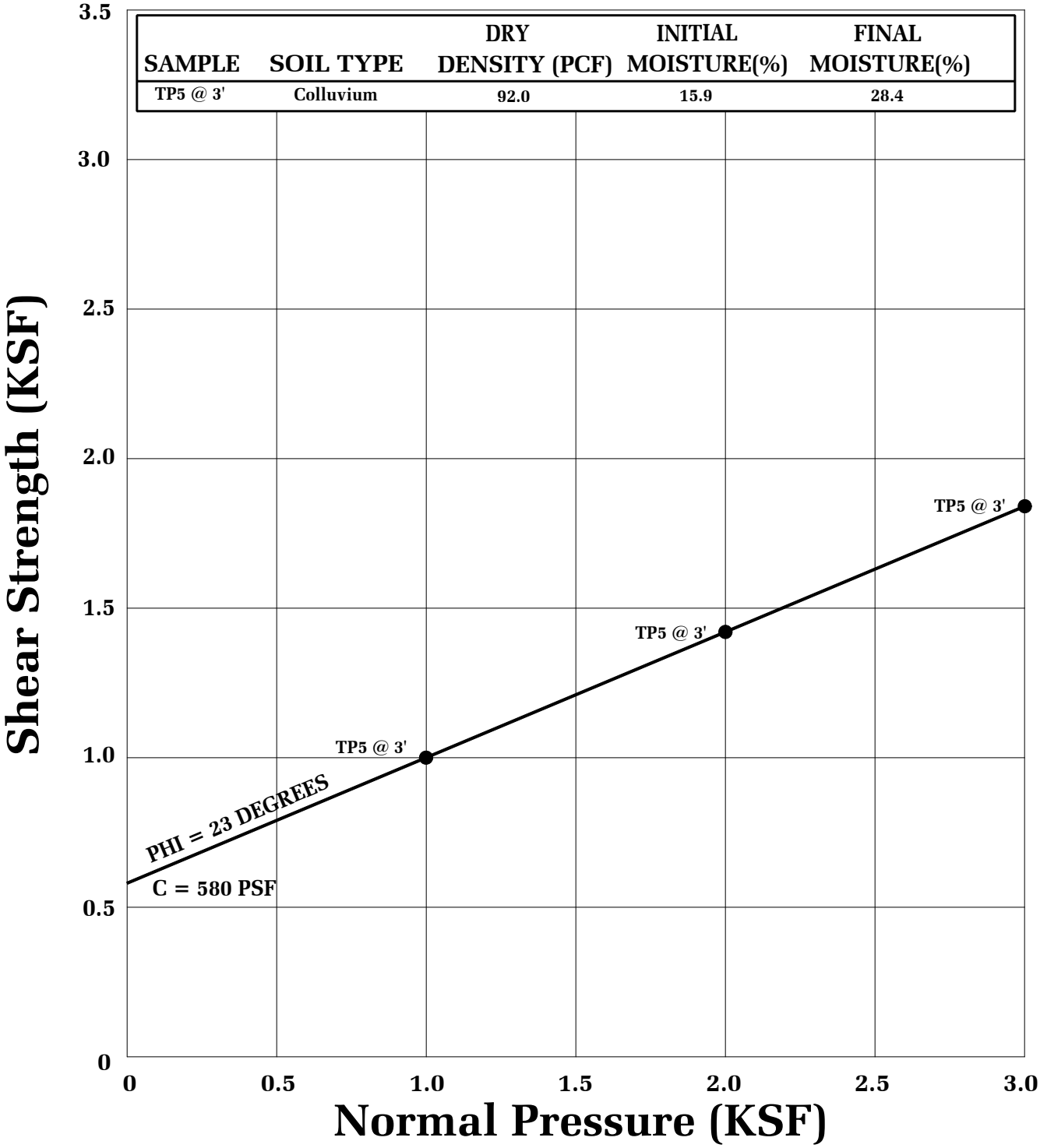
Boring Number	Depth (ft.)	Description
B-2		ALLUVIUM (Qal)
	0.0 – 12.0	CLAY (CH) – dark brown, very moist, firm
		BEDROCK – Puente Formation (Tp)
	12.0 – 20.0	SILTSTONE AND CLAYSTONE – – interbedded, yellow brown to greenish gray, very moist, hard, laminations in SILTSTONE, very thinly bedded, slight weathering
	20.0 – 31.0	SILTSTONE – yellow brown, wet, hard, laminations, moderate weathering
		End of boring at 31.0 feet. No caving. Groundwater seepage encountered at 17 feet.

Appendix B1
Laboratory Testing Results

Plates B1 thought B4
Plate C
Plate D

File No. 20487, Report dated June 24, 2014

SAMPLE	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE(%)	FINAL MOISTURE(%)
TP5 @ 3'	Colluvium	92.0	15.9	28.4



● Direct Shear, Saturated

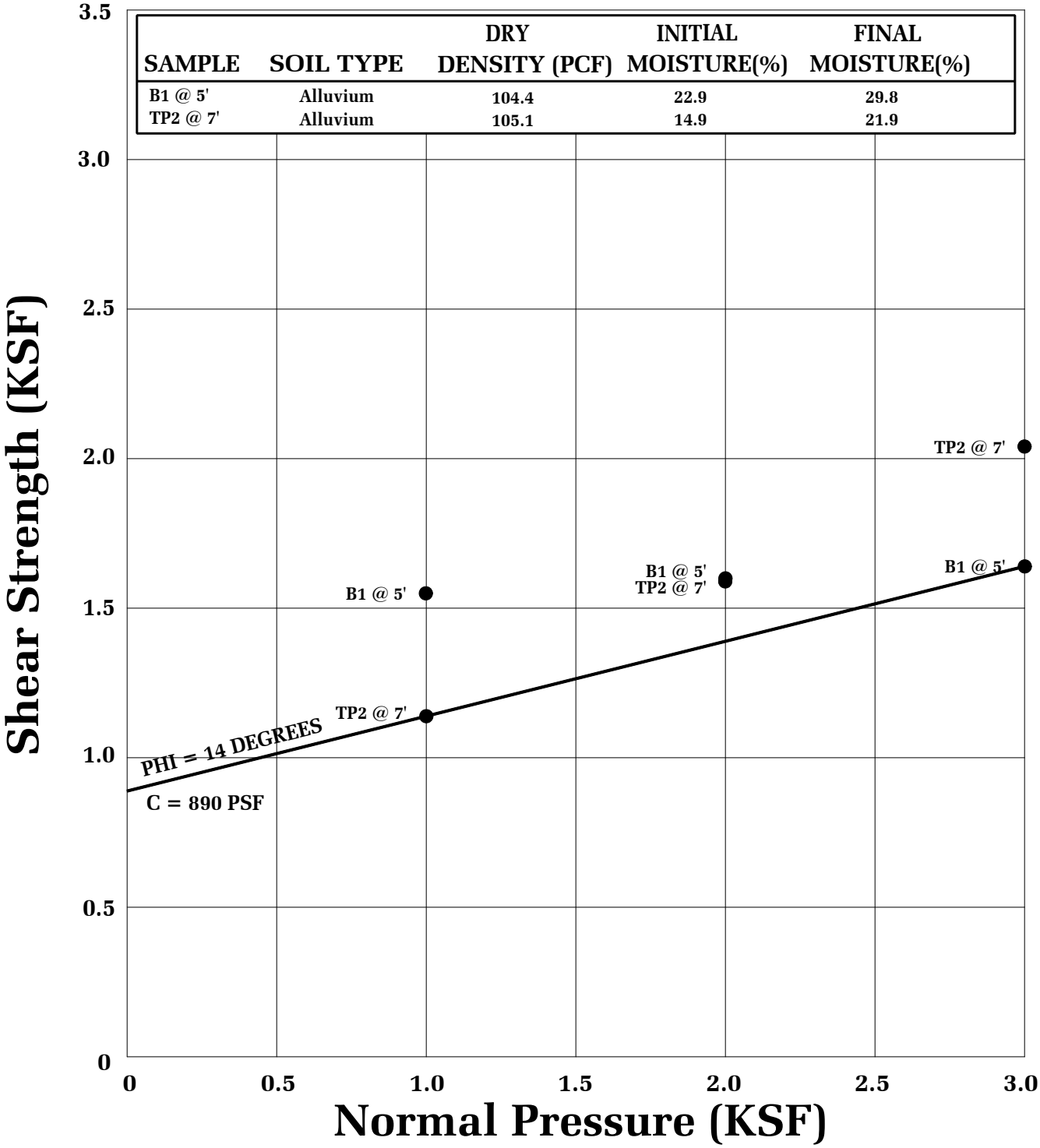
SHEAR TEST DIAGRAM

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489 | PLATE: B-1

SAMPLE	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE(%)	FINAL MOISTURE(%)
B1 @ 5'	Alluvium	104.4	22.9	29.8
TP2 @ 7'	Alluvium	105.1	14.9	21.9



● Direct Shear, Saturated

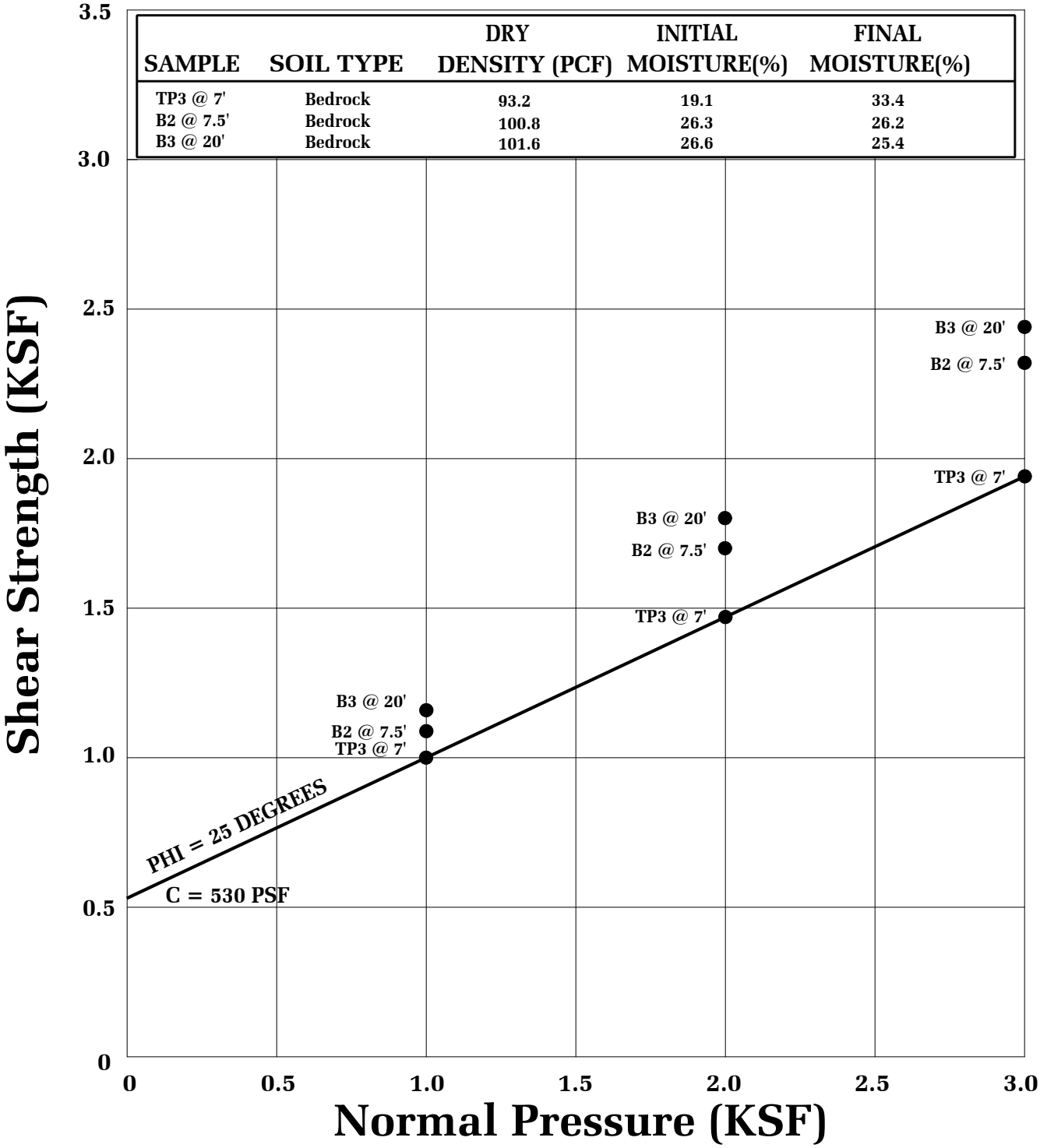
SHEAR TEST DIAGRAM

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489 | PLATE: B-2

SAMPLE	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE(%)	FINAL MOISTURE(%)
TP3 @ 7'	Bedrock	93.2	19.1	33.4
B2 @ 7.5'	Bedrock	100.8	26.3	26.2
B3 @ 20'	Bedrock	101.6	26.6	25.4



● Direct Shear, Saturated

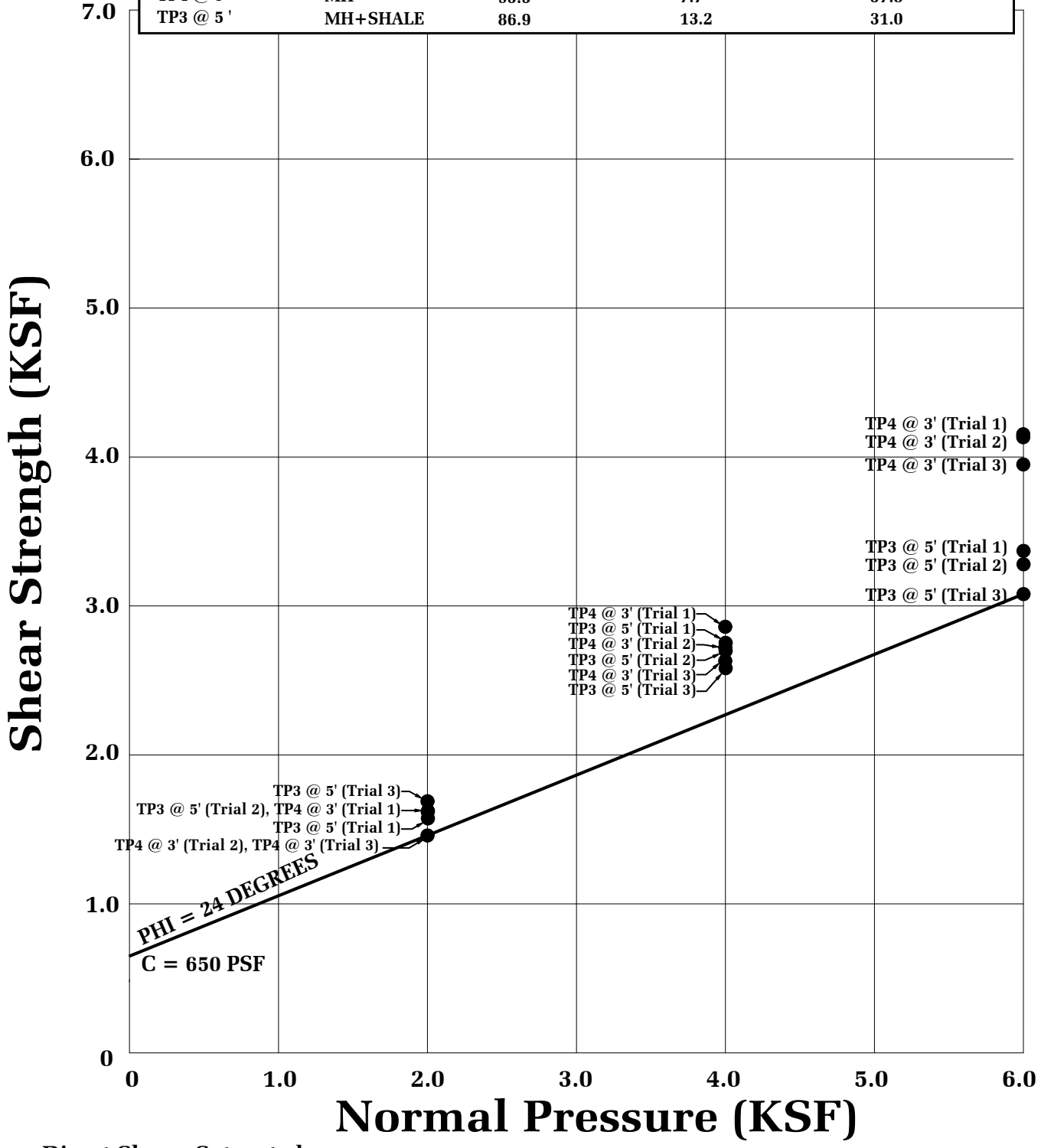
SHEAR TEST DIAGRAM

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489 | PLATE: B-3

SAMPLE	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE(%)	FINAL MOISTURE(%)
TP4 @ 3'	MH	95.5	7.7	37.8
TP3 @ 5 '	MH+SHALE	86.9	13.2	31.0



● Direct Shear, Saturated

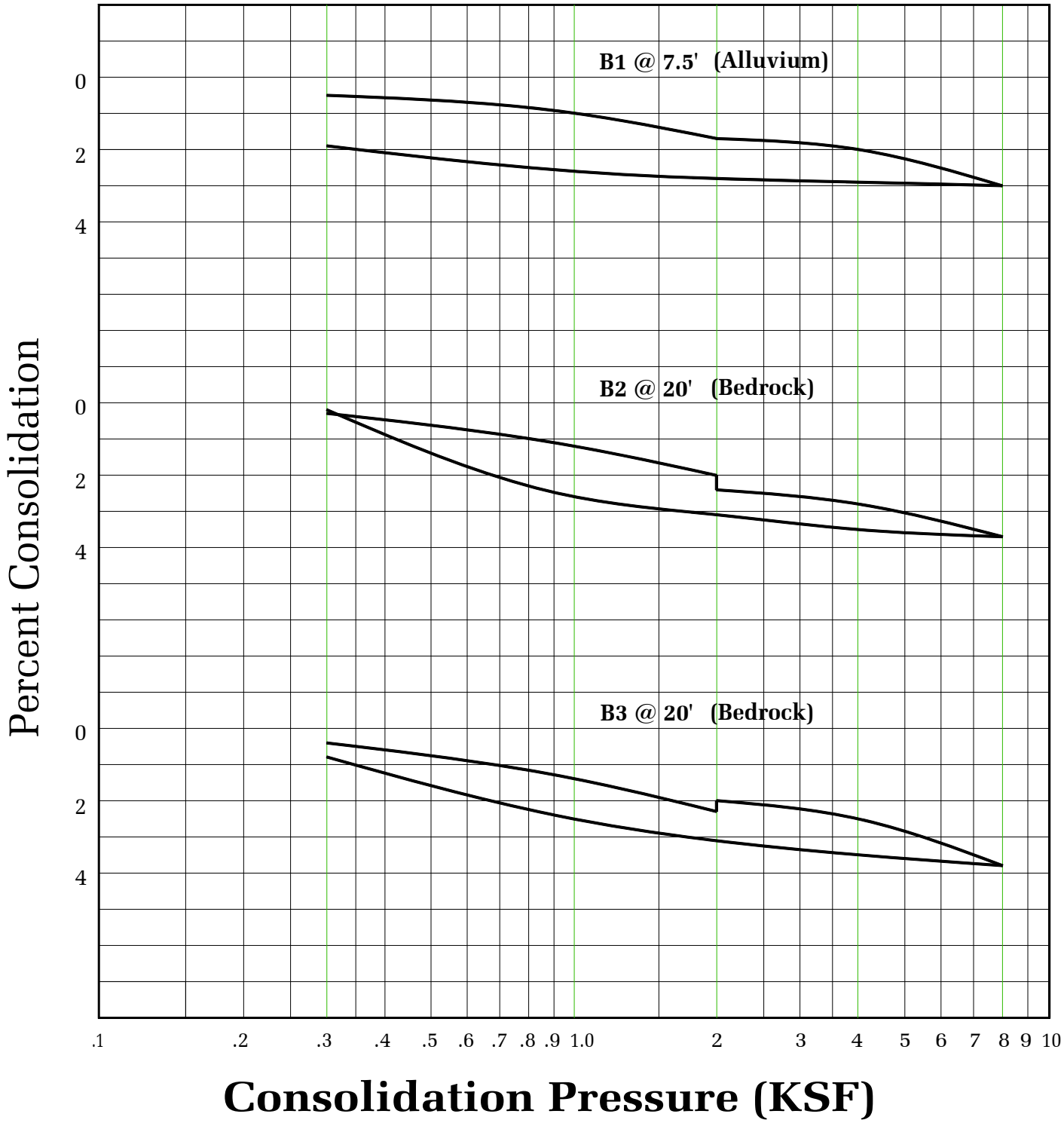
SHEAR TEST DIAGRAM

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489 | PLATE: B-4

WATER ADDED AT 2 KSF



CONSOLIDATION TEST

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489 | **PLATE: C**

ASTM D-1557

SAMPLE	TP2 @ 1- 5'	TP3 @ 1- 5'
SOIL TYPE:	ALLUVIUM	BEDROCK
MAXIMUM DENSITY pcf.	112.8	106.1
OPTIMUM MOISTURE %	16.4	19.2

ASTM D 4829-03

SAMPLE	TP2 @ 1- 5'	TP3 @ 1- 5'
SOIL TYPE:	ALLUVIUM	BEDROCK
EXPANSION INDEX UBC STANDARD 18-2	54	110
EXPANSION CHARACTER	MODERATE	HIGH

SULFATE CONTENT

SAMPLE	TP2 @ 1- 5'	TP3 @ 2- 5'	TP4 @ 0- 1.5'	TP5 @ 5- 8'
SULFATE CONTENT: (percentage by weight)	< 0.1	< 0.1	< 0.1	< 0.1

COMPACTION/EXPANSION/SULFATE DATA SHEET

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

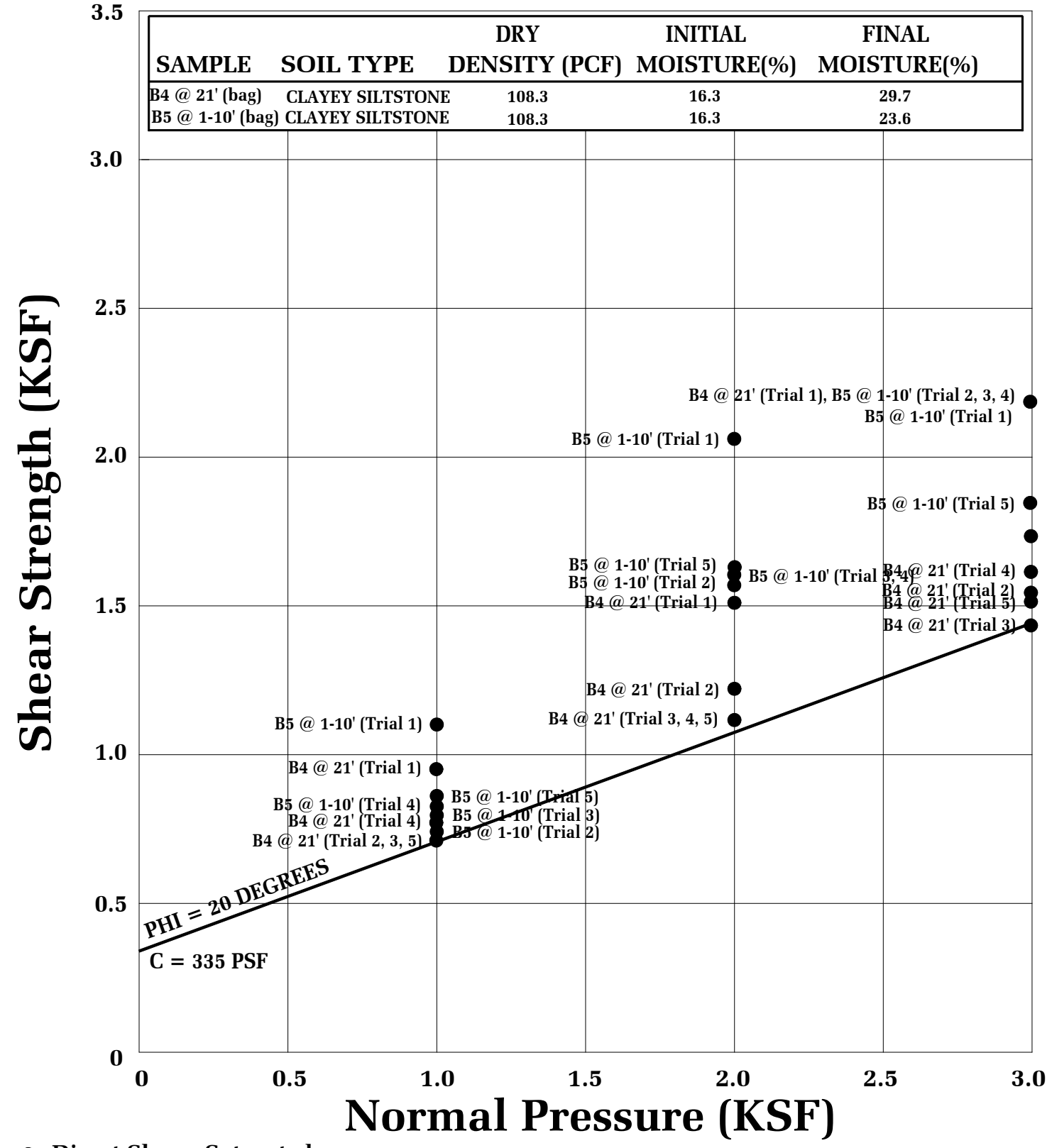
FILE NO. 20489 | **PLATE: D**

Appendix B2
Laboratory Testing Results
Plate B-6

File No. 20487, Report dated May 18, 2017

BEDROCK REMOLDED

SAMPLE	SOIL TYPE	DRY DENSITY (PCF)	INITIAL MOISTURE(%)	FINAL MOISTURE(%)
B4 @ 21' (bag)	CLAYEY SILTSTONE	108.3	16.3	29.7
B5 @ 1-10' (bag)	CLAYEY SILTSTONE	108.3	16.3	23.6



● Direct Shear, Saturated

SHEAR TEST DIAGRAM

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

FILE NO. 20489 | PLATE: B-6

Appendix C

Calculation Sheets

Project:	Aragon Development
Date:	8/3/2023
File No.:	20489
Cross Section	E-E'
Description:	Bedrock

ESTIMATION OF PERMANENT SEISMIC DISPLACEMENT USING THE BRAY AND RATHJE (1998) PROCEDURE.

INPUT PARAMETERS:

Yield Acceleration, ky (g):	0		Normalized MHEA Sigma:	0
Vertical Thickness, H (m):	0		Mean Period Sigma:	0
Shear Wave Vel., Vs (m/s):	560		Significant Duration Sigma:	0
Earthquake Magnitude, M:	6.90	*	Normalized Displacement Sigma	0
Peak Ground Acceleration, PGAm (g)	1.04	*		
Earthquake Accel., Firm Rock, MHAr, (g):	0.70	2/3 PGAm		
Earthquake Distance, r (km):	7.02	*	Allowable screen displacement (c	5 *
Landslide factor, 0.8 for large slide, 1.0 for small slid	1	*		

CALCULATIONS:

Site Period (Ts): 0.000

(eqn. 11.5) $Ts = 4*H/Vs$

NRF Factor: 0.815

(eqn. 11.3) $NRF = 0.6225 + 0.9196*\exp(-MHAr/0.4449)$

Mean Period (Tm): 0.501

(eqn. 10.2a) $Tm = (C1+C2*(M-6)+C3*r)*EXP(e_T)$ for M<7.25

(eqn. 10.2b) $Tm = (C1+1.25*C2+C3*r)*EXP(e_T)$ for 7.25<M<8.0

where: C1 = 0.411
C2= 0.0837
C3 = 0.00208
e_T = 0.437

Duration, D_{5-95} (s): 12.801

(eqn. 10.1a) $\ln(D_{5-95}) = \ln(\exp(5.204+0.851*(M-6))/\text{power}(10,1.5*M+16.05), -1/3)/(15.7*10^6))+0.063*(r-10))+0.8664$ for r>10 k

(eqn. 10.1b) $\ln(D_{5-95}) = \ln(\exp(5.204+0.851*(M-6))/\text{power}(10,1.5*M+16.05), -1/3)/(15.7*10^6)+0.8664)$ for r<10 k

Ts/Tm: 0.0000

MHEA/MHA*NRF: #NUM!

MHEA, kmax: #NUM!

ky/kmax: #NUM!

Normalized Disp. (cm/sec): #NUM!

(Input values marked with asterisks are use
for calculation of seismic coefficient for scre

Estimated Displacement (cm):	#NUM!	**Median f_{eq} for Screen Procedure:**	0.476
Estimated Displacement (in):	#NUM!	**Seismic Coefficient for Screen Procedu**	0.331

Geotechnologies, Inc.

U.S. Geological Survey - Earthquake Hazards Program

Unified Hazard Tool

Please do not use this tool to obtain ground motion parameter values for the design code reference documents covered by the U.S. Seismic Design Maps web tools (e.g., the International Building Code and the ASCE 7 or 41 Standard). The values returned by the two applications are not identical.

Please also see the new USGS Earthquake Hazard Toolbox for access to the most recent NSHMs for the conterminous U.S. and Hawaii.

Input

Edition

Dynamic: Conterminous U.S. 2014 (4....

Spectral Period

Peak Ground Acceleration

Latitude

Decimal degrees

34.0691

Time Horizon

Return period in years

475

Longitude

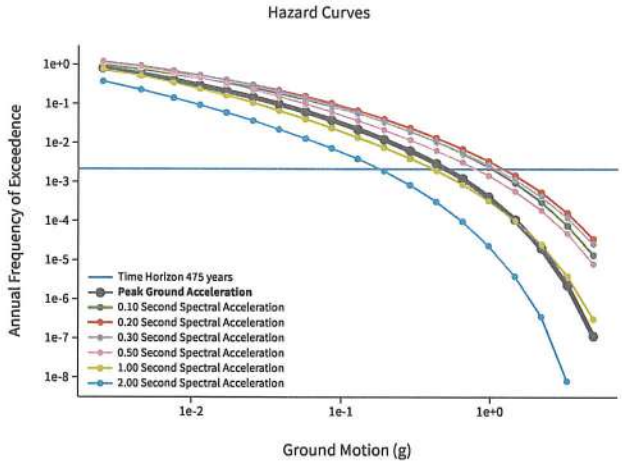
Decimal degrees, negative values for western longitudes

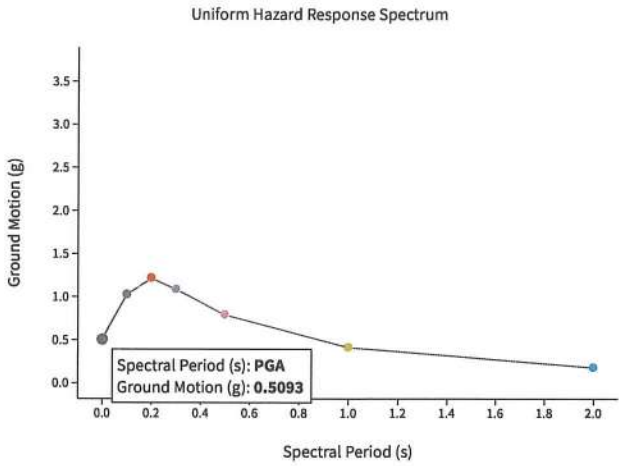
-118.2495

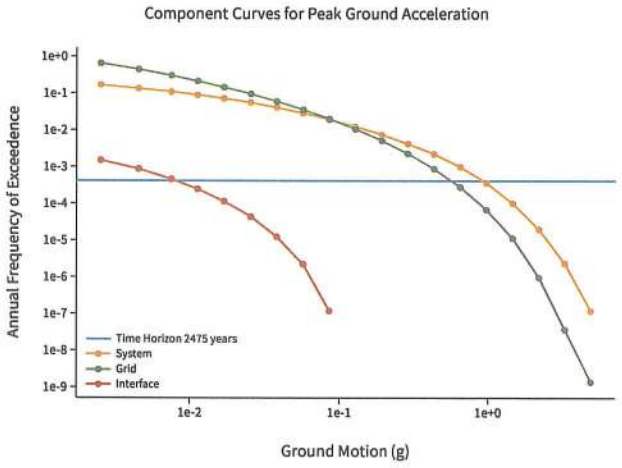
Site Class

537 m/s (Site class C)

Hazard Curve





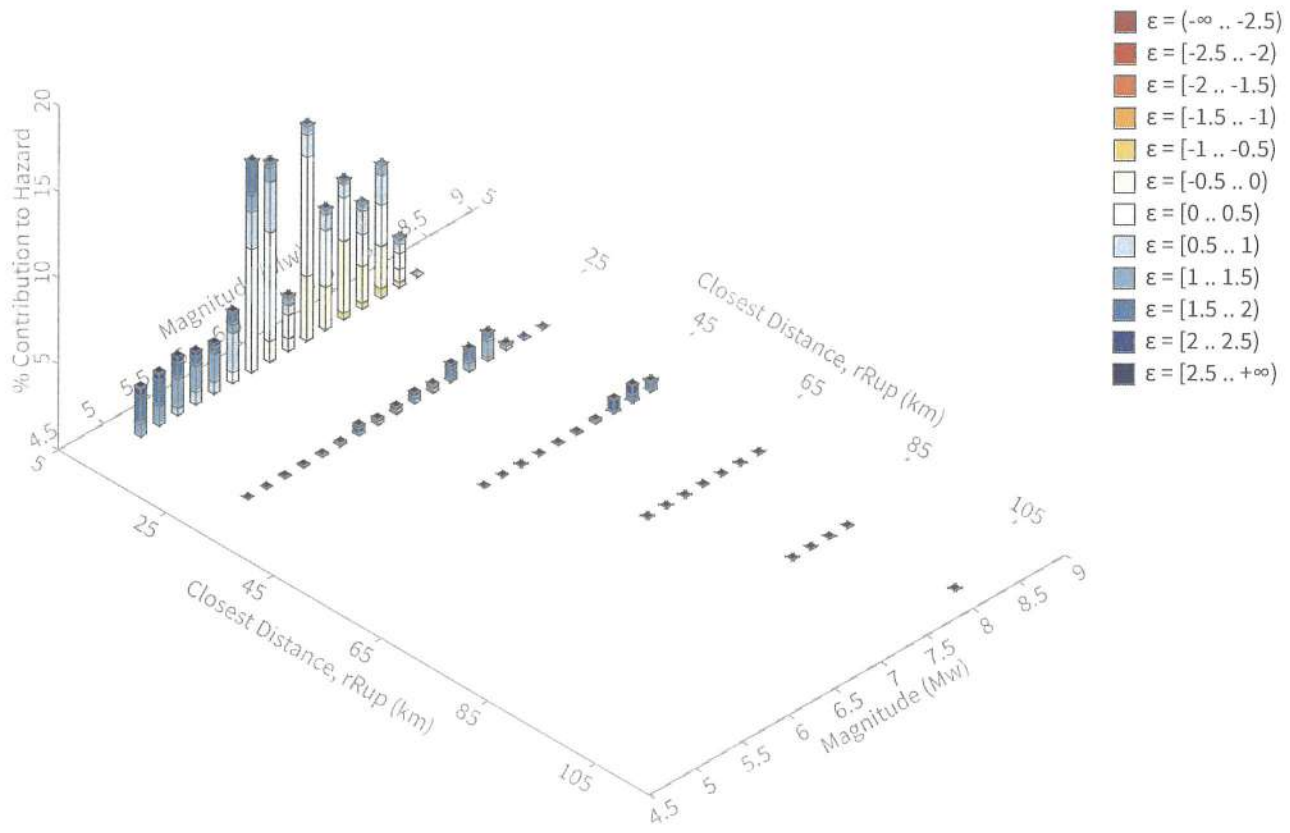


View Raw Data

Deaggregation

Component

Total


ε = (-∞ .. -2.5)
ε = [-2.5 .. -2)
ε = [-2 .. -1.5)
ε = [-1.5 .. -1)
ε = [-1 .. -0.5)
ε = [-0.5 .. 0)
ε = [0 .. 0.5)
ε = [0.5 .. 1)
ε = [1 .. 1.5)
ε = [1.5 .. 2)
ε = [2 .. 2.5)
ε = [2.5 .. +∞)
% Contribution to Hazard
20
15
10
5
0
Magnitude (Mw)
4.5
5
5.5
6
6.5
7
7.5
8
8.5
9
Closest Distance, rRup (km)
25
45
65
85
105

Summary statistics for, Deaggregation: Total

Deaggregation targets

Return period: 475 yrs
Exceedance rate: 0.0021052632 yr^{-1}
PGA ground motion: 0.50931752 g

Recovered targets

Return period: 496.22242 yrs
Exceedance rate: 0.0020152254 yr^{-1}

Totals

Binned: 100 %
Residual: 0 %
Trace: 0.1 %

Mean (over all sources)

m: 6.76
r: 10.93 km
ε_0: 0.66 σ

Mode (largest m-r bin)

m: 6.9
r: 7.02 km
ε_0: 0.17 σ
Contribution: 12.51 %

Mode (largest m-r-ε_0 bin)

m: 6.34
r: 4.69 km
ε_0: 0.27 σ
Contribution: 7.16 %

Discretization

r: min = 0.0, max = 1000.0, Δ = 20.0 km
m: min = 4.4, max = 9.4, Δ = 0.2
ε: min = -3.0, max = 3.0, Δ = 0.5 σ

Epsilon keys

ε0: [-∞ .. -2.5)
ε1: [-2.5 .. -2.0)
ε2: [-2.0 .. -1.5)
ε3: [-1.5 .. -1.0)
ε4: [-1.0 .. -0.5)
ε5: [-0.5 .. 0.0)
ε6: [0.0 .. 0.5)
ε7: [0.5 .. 1.0)
ε8: [1.0 .. 1.5)
ε9: [1.5 .. 2.0)
ε10: [2.0 .. 2.5)
ε11: [2.5 .. +∞]

Deaggregation Contributors

Source Set ↳ Source	Type	r	m	ε_0	lon	lat	az	%
UC33brAvg_FM31	System							39.40
Elysian Park (Upper) [2]		4.52	6.86	0.01	118.239°W	34.081°N	35.12	10.87
Elysian Park (Upper) [1]		4.52	6.35	0.26	118.239°W	34.081°N	35.12	6.12
Compton [2]		15.18	7.38	0.09	118.364°W	33.847°N	203.21	3.50
Newport-Inglewood alt 1 [8]		12.98	6.74	1.16	118.377°W	34.021°N	245.68	2.23
Puente Hills [4]		6.17	7.07	-0.10	118.266°W	34.056°N	227.53	1.96
Hollywood [0]		6.32	7.33	0.18	118.264°W	34.123°N	347.65	1.94
Sierra Madre [5]		17.91	7.68	0.95	118.179°W	34.219°N	21.39	1.42
Verdugo [1]		10.84	7.49	0.49	118.220°W	34.163°N	14.70	1.41
Raymond [2]		6.77	6.71	0.54	118.224°W	34.124°N	21.14	1.40
San Andreas (Mojave S) [7]		53.61	8.07	2.11	117.992°W	34.502°N	26.09	1.15
UC33brAvg_FM32	System							35.82
Elysian Park (Upper) [2]		4.52	7.03	-0.01	118.239°W	34.081°N	35.12	8.64
Compton [2]		15.18	7.40	0.06	118.364°W	33.847°N	203.21	3.45
Elysian Park (Upper) [1]		4.52	7.05	-0.06	118.239°W	34.081°N	35.12	3.21
Puente Hills (Santa Fe Springs) [1]		13.41	7.00	0.58	118.144°W	33.926°N	148.44	2.51
Hollywood [0]		6.32	7.11	0.27	118.264°W	34.123°N	347.65	2.49
Newport-Inglewood alt 2 [8]		12.76	6.84	0.98	118.370°W	34.015°N	241.47	1.95
Puente Hills (LA) [1]		5.48	7.16	-0.36	118.281°W	34.029°N	212.76	1.58
Sierra Madre [5]		17.91	7.71	0.94	118.179°W	34.219°N	21.39	1.37
San Vicente [0]		6.12	6.49	0.45	118.306°W	34.066°N	265.71	1.37
Verdugo [1]		10.84	7.48	0.50	118.220°W	34.163°N	14.70	1.19
San Andreas (Mojave S) [7]		53.61	8.07	2.11	117.992°W	34.502°N	26.09	1.15
UC33brAvg_FM32 (opt)	Grid							12.77
PointSourceFinite: -118.250, 34.119		7.32	5.70	1.10	118.249°W	34.119°N	0.00	3.38
PointSourceFinite: -118.250, 34.119		7.32	5.70	1.10	118.249°W	34.119°N	0.00	3.38
PointSourceFinite: -118.250, 34.146		9.09	5.86	1.27	118.249°W	34.146°N	0.00	1.68
PointSourceFinite: -118.250, 34.146		9.09	5.86	1.27	118.249°W	34.146°N	0.00	1.68
UC33brAvg_FM31 (opt)	Grid							12.00
PointSourceFinite: -118.250, 34.119		7.35	5.68	1.12	118.249°W	34.119°N	0.00	3.17
PointSourceFinite: -118.250, 34.119		7.35	5.68	1.12	118.249°W	34.119°N	0.00	3.17
PointSourceFinite: -118.250, 34.146		9.11	5.85	1.28	118.249°W	34.146°N	0.00	1.54
PointSourceFinite: -118.250, 34.146		9.11	5.85	1.28	118.249°W	34.146°N	0.00	1.54

OSHPD

File No. 20489

Latitude, Longitude: 34.0691, -118.2495

Date	8/3/2023, 9:45:25 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	C - Very Dense Soil and Soft Rock

Type	Value	Description
S_S	2.025	MCE_R ground motion. (for 0.2 second period)
S_1	0.722	MCE_R ground motion. (for 1.0s period)
S_{MS}	2.429	Site-modified spectral acceleration value
S_{M1}	1.011	Site-modified spectral acceleration value
S_{DS}	1.62	Numeric seismic design value at 0.2 second SA
S_{D1}	0.674	Numeric seismic design value at 1.0 second SA

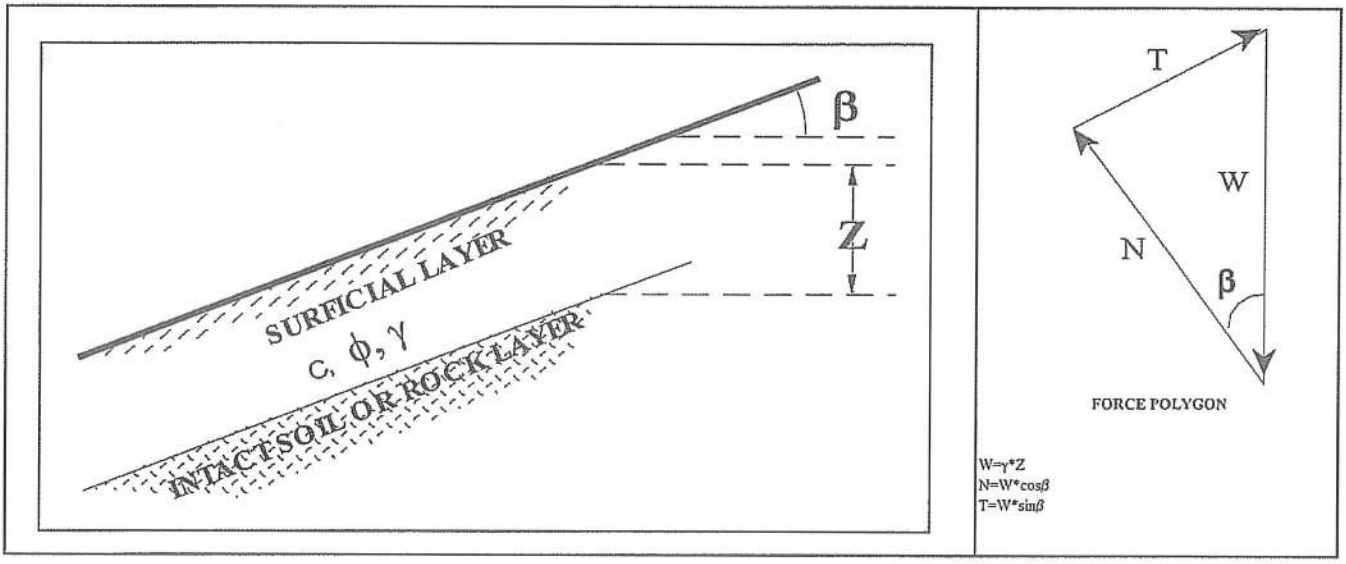
Type	Value	Description
SDC	D	Seismic design category
F_a	1.2	Site amplification factor at 0.2 second
F_v	1.4	Site amplification factor at 1.0 second
PGA	0.87	MCE_G peak ground acceleration
F_{PGA}	1.2	Site amplification factor at PGA
PGA_M	1.044	Site modified peak ground acceleration
T_L	8	Long-period transition period in seconds
SsRT	2.025	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	2.266	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	2.479	Factored deterministic acceleration value. (0.2 second)
S1RT	0.722	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.807	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.778	Factored deterministic acceleration value. (1.0 second)
PGAd	0.999	Factored deterministic acceleration value. (Peak Ground Acceleration)
PGA_{UH}	0.87	Uniform-hazard (2% probability of exceedance in 50 years) Peak Ground Acceleration
C_{RS}	0.894	Mapped value of the risk coefficient at short periods
C_{R1}	0.895	Mapped value of the risk coefficient at a period of 1 s
C_V	1.3	Vertical coefficient

Geotechnologies, Inc.

Project: Aragon Properties, Inc.
File No.: 20489
Description: Bedrock , Puente Formation Cross bedded

SURFICIAL SLOPE STABLITY FOR INFINITE SLOPE

Input Slope Properties:			
Vertical Thickness of Surficial Materials	(Z)	5.00 feet	
Slope Angle	(β)	27.0 degrees	0.4712389 radians
Saturated Thickness	(h_s)	3.0 feet	
Input Soil Properties:			
Unit Weight of Saturated Surficial Soils	(γ)	125.0 pcf	
Friction Angle of Surficial Soils	(ϕ)	25.0 degrees	0.43633231 radians
Cohesion of Surficial Soils	(c)	530.0 psf	
Density of Water	(γ_ω)	62.4 pcf	



Equation $$F = \frac{c' + (\gamma - m*\gamma w)*z*\cos^2\beta*\tan\varphi}{\gamma*z*\sin\beta\cos\beta}$$

Factor of Safety	**2.74**

Ref: Blake, T.F., Hollingsworth, R.A., and Stewart, J.P., 2002, Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for analyzing and Mitigating Landslide Hazards in California, Southern California Earthquake Center

Geotechnologies, Inc.

Project: Aragon Properties, Inc.
File No.: 20489
Description: Friction Capacity in rock, 7 foot overburden
4/1/2013

Friction Pile Capacity Calculation

Input Data:

Unit Weight of Overlying Soil Layer	γ_1	120 pcf
Thickness of Overlying Soil Layer	H_1	7 feet
Unit Weight of Bearing Strata	γ_2	119 pcf
Friction Angle of Bearing Strata	ϕ_2	25 degrees
Cohesion of Bearing Strata	c_2	530 psf
Minimum Embedment into Bearing Strata	H_2	20 feet
Unit Weight of Water	γ_w	62.4 pcf
Depth to Groundwater from Pile Cap	H_w	10 feet

Pile Design:
driven <<Driven/Drilled
Circular <<Circular/Square Pile

Pile Dimension:

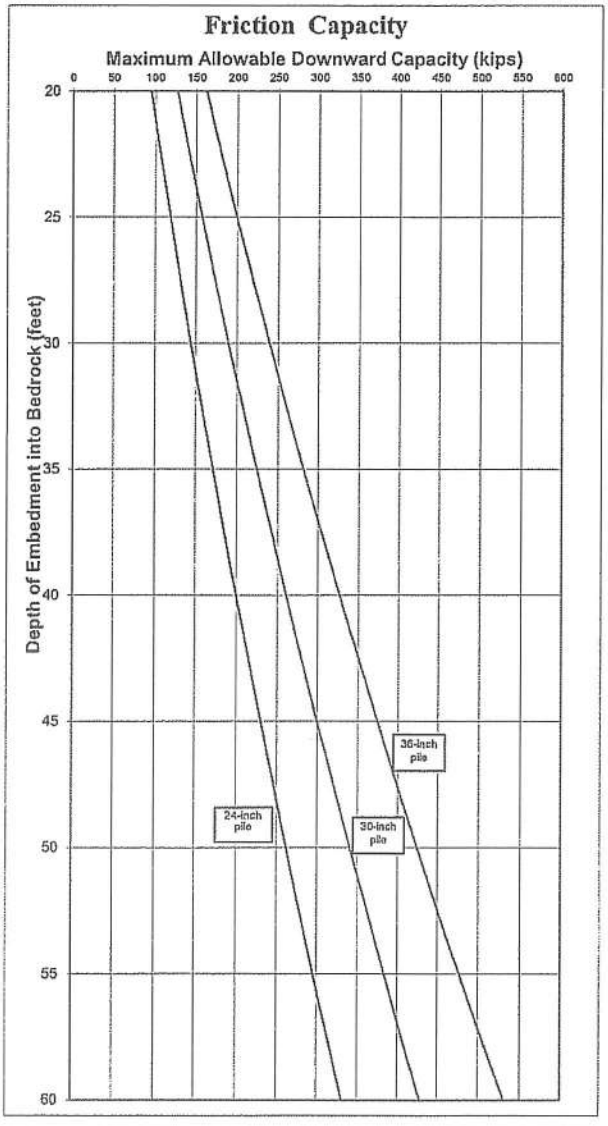
24	in. Diam.	3.14 ft^2 Area
30	in. Diam.	4.91 ft^2 Area
36	in. Diam.	7.07 ft^2 Area

Critical Depth Limit (Dc):
30 B

Lateral Earth Pressure Coefficient: $K_c = 0.80$
Applied Factor of Safety: FS = 2
Factored Skin Friction
$f_{ult} = [c_2 + K_c * \sigma'_v * (\tan \phi_2)]/FS$
$f_{allow} = f_{ult}/FS$

Pile Capacity:

Total Depth of Pile (feet)	Depth of Embedment into Bearing Strata (feet)	Maximum Allowable Downward Pile Capacity: Capacity of 24 inch diameter pile (kips)	Capacity of 30 inch diameter pile (kips)	Capacity of 36 inch diameter pile (kips)
27	20	94.8	126.8	162.0
28	21	99.4	132.7	169.3
29	22	104.1	138.7	176.7
30	23	108.9	144.8	184.2
31	24	113.7	151.0	191.8
32	25	118.6	157.2	199.5
33	26	123.5	163.6	207.3
34	27	128.5	170.0	215.2
35	28	133.6	176.5	223.2
36	29	138.8	183.1	231.3
37	30	144.0	189.8	239.5
38	31	149.3	196.5	247.8
39	32	154.6	203.4	256.2
40	33	160.0	210.3	264.7
41	34	165.5	217.3	273.3
42	35	171.1	224.4	282.0
43	36	176.7	231.6	290.8
44	37	182.3	238.8	299.6
45	38	188.1	246.2	308.6
46	39	193.9	253.6	317.7
47	40	199.8	261.1	326.9
48	41	205.7	268.7	336.2
49	42	211.7	276.3	345.6
50	43	217.8	284.1	355.1
51	44	223.9	291.9	364.7
52	45	230.2	299.8	374.4
53	46	236.4	307.8	384.1
54	47	242.8	315.9	394.0
55	48	249.2	324.1	404.0
56	49	255.7	332.3	414.1
57	50	262.2	340.7	424.3
58	51	268.8	349.1	434.6
59	52	275.5	357.6	444.9
60	53	282.2	366.1	455.4
61	54	289.0	374.8	466.0
62	55	295.9	383.6	476.7
63	56	302.8	392.4	487.5
64	57	309.8	401.3	498.4
65	58	316.9	410.3	509.3
66	59	324.0	419.4	520.4
67	60	331.2	428.5	531.6



Note: 1. Minimum pile embedment depth of 20 feet
2. Uplift capacity may be designed using 50% of the downward capacity
3. Pile should be spaced a minimum of 2-1/2 diameters on center
4. See text of report for pile details and installation recommendations

Geotechnologies, Inc.

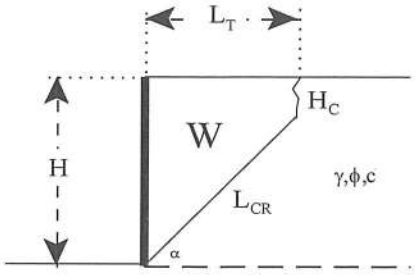
Project: Aragon Poroperties, LTD>
File No.: 20489
Description: Favoraby Oriented Bedrock - Drum 9

Retaining Wall Design with Level Backfill
(Vector Analysis)

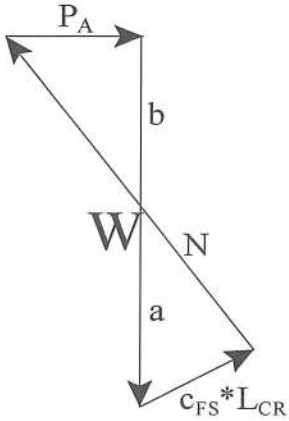
Input:

Retaining Wall Height	(H)	25.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	25.0 degrees
Cohesion of Retained Soils	(c)	530.0 psf
Factor of Safety	(FS)	1.50
Factored Parameters:	(ϕ_{FS})	17.3 degrees
	(c_{FS})	353.3 psf

28



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	62.8	-4559	-547076.8	-110.5	-782601.3	235524.6	0.0
21	46.3	-1976	-237135.8	-59.4	-307937.9	70802.1	0.0
22	36.8	-900	-107944.5	-31.4	-128509.8	20565.3	0.0
23	30.6	-366	-43913.5	-14.3	-48328.4	4414.9	0.0
24	26.3	-72	-8699.0	-3.1	-8912.7	213.7	0.0
25	23.1	100	11983.7	4.6	11500.6	483.2	65.6
26	20.6	205	24638.1	10.0	22265.9	2372.2	364.3
27	18.7	271	32551.5	13.9	27833.1	4718.3	809.1
28	17.1	313	37520.9	16.8	30482.8	7038.1	1333.8
29	15.8	338	40590.1	19.0	31451.7	9138.4	1897.6
30	14.7	353	42395.4	20.5	31439.9	10955.5	2475.2
31	13.8	361	43340.1	21.7	30857.5	12482.6	3050.1
32	13.0	364	43688.3	22.6	29950.5	13737.7	3612.0
33	12.4	363	43617.4	23.2	28869.1	14748.3	4154.2
34	11.8	360	43249.7	23.6	27706.1	15543.6	4672.5
35	11.3	356	42670.6	23.9	26518.8	16151.9	5164.4
36	10.8	350	41941.2	24.1	25342.5	16598.6	5628.3
37	10.4	343	41105.2	24.2	24198.6	16906.6	6063.8
38	10.1	335	40194.9	24.2	23099.4	17095.5	6470.4
39	9.8	327	39233.6	24.2	22051.3	17182.2	6848.4
40	9.5	319	38238.9	24.1	21057.4	17181.5	7198.1
41	9.3	310	37223.7	24.0	20117.9	17105.8	7520.0
42	9.0	302	36197.8	23.8	19232.0	16965.8	7814.5
43	8.9	293	35168.3	23.7	18397.6	16770.7	8082.4
44	8.7	285	34140.5	23.5	17612.3	16528.2	8324.1
45	8.5	276	33118.5	23.3	16873.4	16245.2	8540.1



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 8540.1 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 27.3 pcf

Design Wall for an Equivalent Fluid Pressure: 30 pcf

Geotechnologies, Inc.

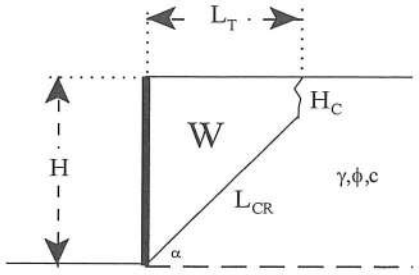
Project: Aragon Poroperties, LTD>
File No.: 20489
Description: Favoraby Oriented Bedrock - Drained

Retaining Wall Design with Level Backfill
(Vector Analysis)

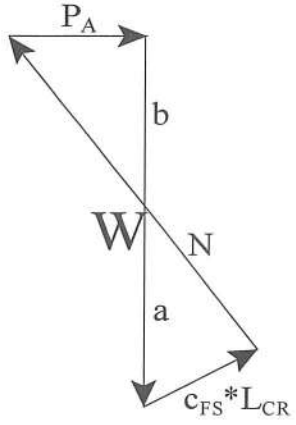
Input:

Retaining Wall Height	(H)	35.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	25.0 degrees
Cohesion of Retained Soils	(c)	530.0 psf
Factor of Safety	(FS)	1.50
Factored Parameters:	(ϕ_{FS})	17.3 degrees
	(c_{FS})	353.3 psf

28



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) feet^2	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	62.8	-3735	-448167.6	-81.3	-575556.1	127388.6	0.0
21	46.3	-1195	-143352.6	-31.5	-163251.8	19899.2	0.0
22	36.8	-157	-18841.4	-4.7	-19305.5	464.1	0.0
23	30.6	341	40897.2	11.3	38146.6	2750.6	276.1
24	26.3	601	72158.4	21.5	61862.5	10295.8	1215.1
25	23.1	743	89186.0	28.2	70849.0	18337.0	2489.4
26	20.6	820	98449.0	32.8	72970.9	25478.1	3912.8
27	18.7	860	103205.4	36.0	71803.5	31401.9	5385.1
28	17.1	877	105227.0	38.1	69081.0	36146.0	6850.1
29	15.8	879	105535.8	39.6	65681.7	39854.2	8275.9
30	14.7	873	104749.2	40.5	62061.1	42688.1	9644.5
31	13.8	860	103254.2	41.1	58456.9	44797.3	10946.1
32	13.0	844	101300.3	41.4	54990.2	46310.1	12176.0
33	12.4	825	99052.6	41.6	51718.8	47333.8	13332.6
34	11.8	805	96621.9	41.5	48665.6	47956.3	14415.9
35	11.3	784	94084.0	41.4	45834.2	48249.8	15427.2
36	10.8	762	91490.9	41.1	43218.1	48272.9	16368.6
37	10.4	741	88878.9	40.8	40805.2	48073.6	17242.2
38	10.1	719	86272.8	40.5	38581.5	47691.3	18050.5
39	9.8	697	83689.9	40.1	36531.9	47158.0	18796.0
40	9.5	676	81142.0	39.7	34641.8	46500.2	19481.0
41	9.3	655	78637.0	39.2	32897.1	45739.9	20107.9
42	9.0	635	76179.8	38.8	31284.9	44894.9	20678.8
43	8.9	615	73773.5	38.3	29793.0	43980.5	21195.7
44	8.7	595	71419.6	37.9	28410.7	43008.9	21660.4
45	8.5	576	69118.5	37.4	27127.9	41990.7	22074.6



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 22074.6 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 36.0 pcf

Design Wall for an Equivalent Fluid Pressure: 36 pcf

Geotechnologies, Inc.

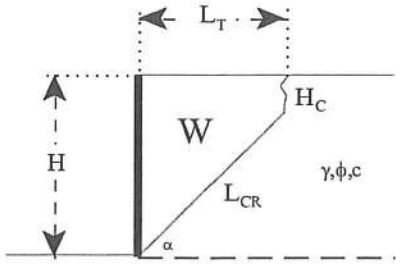
Project: Aragon Properties, Ltd.
File No.: 20489
Description: Daylighted Bedrock, ~Drained

Retaining Wall Design with Level Backfill
(Vector Analysis)

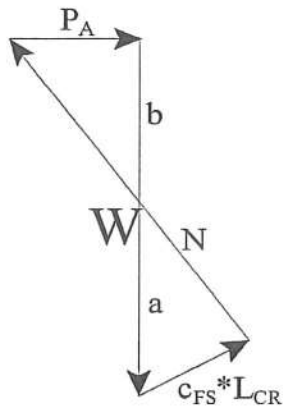
Input:

Retaining Wall Height	(H)	25.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.50
Factored Parameters:	(ϕ_{FS})	13.6 degrees
	(c_{FS})	223.3 psf

28



Failure Angle (α) degrees	Height of Tension Crack (H_c) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	17.4	444	53279.9	22.3	43688.6	9591.3	1069.2
21	15.1	516	61952.3	27.6	46697.9	15254.5	1970.6
22	13.4	551	66090.2	30.9	46159.2	19931.0	2929.3
23	12.1	564	67718.3	33.1	44122.3	23596.0	3889.8
24	11.0	566	67896.2	34.4	41513.3	26382.9	4823.6
25	10.1	560	67213.9	35.2	38764.7	28449.3	5716.2
26	9.4	550	66016.2	35.6	36079.0	29937.2	6560.7
27	8.8	538	64511.8	35.7	33547.0	30964.8	7354.6
28	8.3	524	62830.7	35.7	31203.8	31626.9	8097.4
29	7.8	509	61055.5	35.5	29056.7	31998.8	8790.5
30	7.4	494	59239.6	35.2	27099.5	32140.1	9435.6
31	7.1	478	57417.3	34.8	25319.5	32097.8	10034.8
32	6.8	463	55611.1	34.4	23701.9	31909.2	10590.6
33	6.5	449	53835.3	34.0	22231.4	31603.9	11105.3
34	6.3	434	52098.8	33.5	20893.3	31205.5	11581.0
35	6.1	420	50407.0	33.0	19673.9	30733.1	12020.0
36	5.9	406	48762.6	32.5	18560.8	30201.8	12424.2
37	5.7	393	47167.0	32.1	17543.0	29624.0	12795.5
38	5.6	380	45620.1	31.6	16610.5	29009.6	13135.5
39	5.4	368	44121.2	31.1	15754.5	28366.7	13445.8
40	5.3	356	42669.1	30.6	14967.2	27701.8	13727.8
41	5.2	344	41262.2	30.2	14241.8	27020.4	13982.7
42	5.1	332	39898.8	29.7	13572.0	26326.7	14211.6
43	5.0	321	38577.0	29.3	12952.6	25624.4	14415.6
44	5.0	311	37295.0	28.8	12378.6	24916.4	14595.5
45	4.9	300	36050.7	28.4	11845.7	24205.0	14752.1



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 14752.1 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 47.2 pcf

Design Wall for an Equivalent Fluid Pressure: 47 pcf

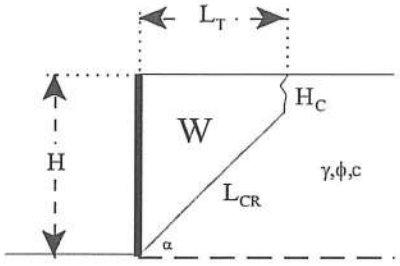
Geotechnologies, Inc.

Project: Aragon Properties, Ltd.
File No.: 20489
Description: Daylighted Bedrock, Drained

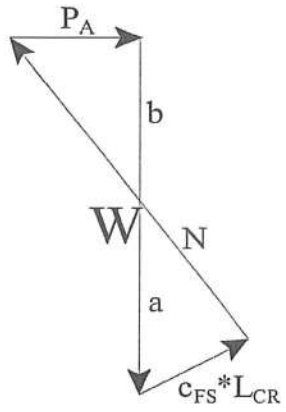
Retaining Wall Design with Level Backfill
(Vector Analysis)

Input:

Retaining Wall Height	(H)	35.00	feet
Unit Weight of Retained Soils	(γ)	120.0	pcf
Friction Angle of Retained Soils	(ϕ)	20.0	degrees
Cohesion of Retained Soils	(c)	335.0	psf
Factor of Safety	(FS)	1.50	
		28	
Factored Parameters:	(ϕ_{FS})	13.6	degrees
	(c_{FS})	223.3	psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	17.4	1268	152189.1	51.5	100964.4	51224.7	5710.4
21	15.1	1298	155735.6	55.5	93967.8	61767.8	7979.4
22	13.4	1293	155193.3	57.6	86003.3	69190.0	10168.9
23	12.1	1271	152529.0	58.7	78272.2	74256.8	12241.2
24	11.0	1240	148753.5	59.0	71182.7	77570.8	14182.3
25	10.1	1203	144416.2	58.8	64834.6	79581.6	15990.0
26	9.4	1165	139827.1	58.4	59206.7	80620.4	17668.0
27	8.8	1126	135165.7	57.7	54234.7	80931.1	19222.2
28	8.3	1088	130536.8	57.0	49842.6	80694.3	20660.2
29	7.8	1050	126001.2	56.1	45956.4	80044.8	21989.4
30	7.4	1013	121593.4	55.2	42509.1	79084.3	23217.2
31	7.1	978	117331.4	54.2	39441.8	77889.5	24350.8
32	6.8	944	113223.2	53.3	36703.9	76519.3	25396.7
33	6.5	911	109270.5	52.3	34251.7	75018.7	26360.8
34	6.3	879	105471.0	51.4	32048.4	73422.6	27248.7
35	6.1	849	101820.3	50.5	30062.3	71758.0	28065.3
36	5.9	819	98312.4	49.5	28266.5	70045.9	28815.0
37	5.7	791	94940.6	48.7	26637.9	68302.7	29502.0
38	5.6	764	91698.0	47.8	25156.8	66541.1	30129.7
39	5.4	738	88577.5	47.0	23806.3	64771.2	30701.6
40	5.3	713	85572.2	46.2	22571.5	63000.7	31220.3
41	5.2	689	82675.5	45.4	21439.8	61235.7	31688.6
42	5.1	666	79880.8	44.6	20400.2	59480.6	32108.7
43	5.0	643	77182.3	43.9	19443.1	57739.2	32482.6
44	5.0	621	74574.0	43.2	18559.9	56014.1	32812.0
45	4.9	600	72050.7	42.5	17743.5	54307.2	33098.5



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 33098.5 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 54.0 pcf

Design Wall for an Equivalent Fluid Pressure: 54 pcf

Geotechnologies, Inc.

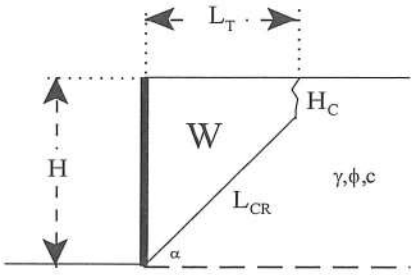
Project: Aragon Poroperties, LTD>
File No.: 20489
Description: Favorably oriented Bedrock , Hydrostatic

Retaining Wall Design with Level Backfill (Vector Analysis)

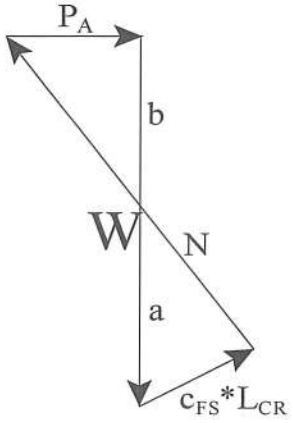
Input:

Retaining Wall Height	(H)	35.00	feet
Unit Weight of Retained Soils	(γ)	58.0	pcf
Friction Angle of Retained Soils	(ϕ)	25.0	degrees
Cohesion of Retained Soils	(c)	530.0	psf
Factor of Safety	(FS)	1.50	
Factored Parameters:	(ϕ_{FS})	17.3	degrees
	(c_{FS})	353.3	psf

28



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	129.9	-21508	-1247445.2	-277.6	-1965440.5	717995.3	0.0
21	95.8	-10348	-600198.9	-169.5	-879087.9	278889.0	0.0
22	76.1	-5645	-327438.6	-109.6	-448517.1	121078.5	0.0
23	63.3	-3275	-189945.5	-72.4	-244611.8	54666.3	0.0
24	54.3	-1939	-112468.9	-47.5	-136805.4	24336.6	0.0
25	47.7	-1128	-65406.6	-30.1	-75460.9	10054.3	0.0
26	42.6	-608	-35262.9	-17.4	-38732.4	3469.5	0.0
27	38.6	-262	-15201.9	-8.0	-15950.9	749.0	0.0
28	35.4	-25	-1476.2	-0.8	-1484.3	8.1	0.0
29	32.7	140	8099.1	4.7	7825.7	273.4	56.8
30	30.5	256	14862.5	9.0	13836.9	1025.6	231.7
31	28.6	339	19667.6	12.4	17685.7	1981.9	484.3
32	27.0	398	23077.5	15.1	20090.0	2987.5	785.5
33	25.6	439	25474.4	17.3	21515.1	3959.2	1115.2
34	24.4	468	27123.8	19.0	22270.0	4853.9	1459.1
35	23.3	486	28214.5	20.4	22563.0	5651.4	1807.0
36	22.4	498	28882.6	21.5	22537.6	6345.0	2151.5
37	21.6	504	29228.2	22.3	22293.0	6935.2	2487.4
38	20.9	506	29325.9	23.0	21899.3	7426.6	2810.9
39	20.2	504	29231.7	23.5	21405.9	7825.7	3119.1
40	19.7	500	28988.3	23.9	20848.1	8140.2	3410.3
41	19.2	494	28628.7	24.2	20251.1	8377.6	3682.9
42	18.7	486	28178.3	24.3	19632.8	8545.5	3936.1
43	18.3	477	27656.8	24.5	19006.0	8650.8	4169.1
44	18.0	467	27079.9	24.5	18379.8	8700.1	4381.6
45	17.7	456	26459.9	24.5	17760.6	8699.3	4573.2



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 4573.2 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 7.5 pcf

Design Wall for an Equivalent Fluid Pressure: **8 pcf** **62.5** Water

Total 70.5 Psf

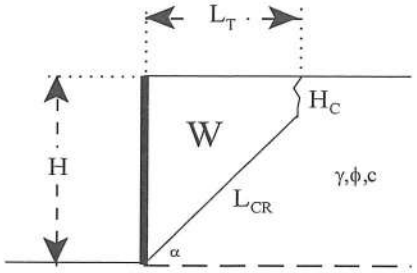
Geotechnologies, Inc.

Project: Aragon Poroperties, LTD>
File No.: 20489
Description: Favorably oriented Bedrock , Hydrostatic

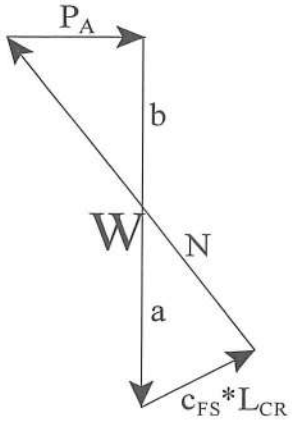
Retaining Wall Design with Level Backfill (Vector Analysis)

Input:

Retaining Wall Height	(H)	25.00	feet
Unit Weight of Retained Soils	(γ)	58.0	pcf
Friction Angle of Retained Soils	(ϕ)	25.0	degrees
Cohesion of Retained Soils	(c)	530.0	psf
Factor of Safety	(FS)	1.50	
		28	
Factored Parameters:	(ϕ_{FS})	17.3	degrees
	(c_{FS})	353.3	psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	129.9	-22332	-1295251.3	-306.8	-2172485.7	877234.4	0.0
21	95.8	-11130	-645527.4	-197.4	-1023774.1	378246.6	0.0
22	76.1	-6388	-370505.1	-136.3	-557721.3	187216.3	0.0
23	63.3	-3982	-230937.3	-98.0	-331086.8	100149.5	0.0
24	54.3	-2613	-151549.9	-72.1	-207580.6	56030.7	0.0
25	47.7	-1771	-102721.0	-53.7	-134809.3	32088.3	0.0
26	42.6	-1223	-70938.2	-40.2	-89437.4	18499.2	0.0
27	38.6	-851	-49351.3	-30.0	-59921.3	10570.0	0.0
28	35.4	-590	-34200.9	-22.1	-40082.5	5881.6	0.0
29	32.7	-402	-23291.3	-15.9	-26404.4	3113.0	0.0
30	30.5	-263	-15275.2	-11.0	-16784.3	1509.1	0.0
31	28.6	-160	-9290.9	-7.0	-9913.6	622.7	0.0
32	27.0	-82	-4768.3	-3.7	-4949.7	181.3	0.0
33	25.6	-23	-1319.3	-1.1	-1334.5	15.2	0.0
34	24.4	23	1327.3	1.1	1310.5	16.8	5.1
35	23.3	58	3364.7	2.9	3247.6	117.1	37.4
36	22.4	85	4933.5	4.4	4662.0	271.5	92.1
37	21.6	106	6137.6	5.7	5686.4	451.2	161.8
38	20.9	122	7054.9	6.7	6417.2	637.7	241.4
39	20.2	134	7744.5	7.6	6925.4	819.1	326.5
40	19.7	142	8251.8	8.3	7263.7	988.1	414.0
41	19.2	148	8612.3	8.9	7471.8	1140.5	501.4
42	18.7	153	8853.6	9.4	7579.8	1273.8	586.7
43	18.3	155	8997.6	9.8	7610.5	1387.1	668.5
44	18.0	156	9061.7	10.1	7581.4	1480.3	745.5
45	17.7	156	9059.9	10.4	7506.1	1553.8	816.8



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 816.8 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 2.6 pcf

Design Wall for an Equivalent Fluid Pressure: **3 pcf** **62.5** Water

Total 65.5 Psf

Geotechnologies, Inc.

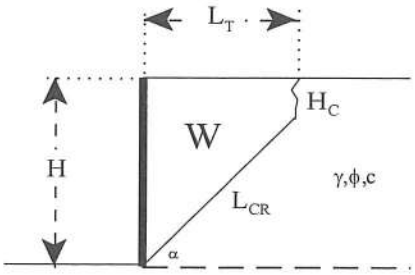
Project: Aragon Poroperties, LTD>
File No.: 20489
Description: Daylighted bedrock, Hydrostatic

Retaining Wall Design with Level Backfill (Vector Analysis)

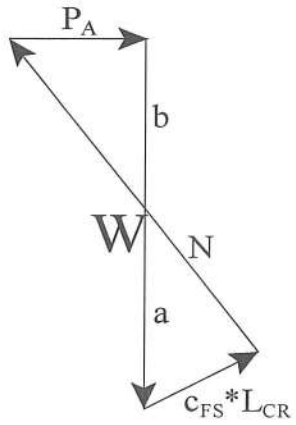
Input:

Retaining Wall Height	(H)	25.00	feet
Unit Weight of Retained Soils	(γ)	58.0	pcf
Friction Angle of Retained Soils	(ϕ)	20.0	degrees
Cohesion of Retained Soils	(c)	335.0	psf
Factor of Safety	(FS)	1.50	
Factored Parameters:	(ϕ_{FS})	13.6	degrees
	(c_{FS})	223.3	psf

28



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	35.9	-916	-53134.1	-32.0	-62674.6	9540.5	0.0
21	31.3	-461	-26724.5	-17.5	-29708.6	2984.1	0.0
22	27.8	-180	-10433.3	-7.4	-10978.2	544.9	0.0
23	25.0	0	25.0	0.0	25.0	0.0	0.0
24	22.8	119	6922.8	5.5	6600.5	322.4	58.9
25	21.0	199	11548.4	9.6	10533.1	1015.2	204.0
26	19.4	253	14671.7	12.7	12839.3	1832.4	401.6
27	18.2	289	16773.4	15.0	14121.5	2652.0	629.9
28	17.1	313	18164.2	16.9	14749.0	3415.2	874.4
29	16.2	328	19050.9	18.3	14954.3	4096.6	1125.4
30	15.3	337	19574.8	19.3	14886.9	4687.9	1376.3
31	14.6	342	19834.4	20.1	14644.5	5189.9	1622.5
32	14.0	343	19899.7	20.7	14292.0	5607.7	1861.2
33	13.5	342	19821.2	21.2	13872.9	5948.2	2090.2
34	13.0	339	19635.8	21.5	13416.5	6219.3	2308.1
35	12.5	334	19370.9	21.7	12942.4	6428.4	2514.2
36	12.2	328	19046.9	21.8	12464.1	6582.8	2708.0
37	11.8	322	18679.2	21.9	11990.4	6688.8	2889.1
38	11.5	315	18279.5	21.9	11527.1	6752.4	3057.5
39	11.2	308	17856.7	21.9	11077.9	6778.9	3213.2
40	11.0	300	17417.7	21.8	10645.0	6772.7	3356.3
41	10.8	293	16967.8	21.7	10229.7	6738.1	3486.9
42	10.6	285	16510.9	21.5	9832.4	6678.4	3605.1
43	10.4	277	16050.2	21.4	9453.2	6597.0	3711.3
44	10.3	269	15588.1	21.2	9091.6	6496.5	3805.5
45	10.2	261	15126.4	21.0	8747.2	6379.2	3887.9



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 3887.9 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 12.4 pcf

Design Wall for an Equivalent Fluid Pressure: **13 pcf** **62.5** Water

Total 75.5 Psf

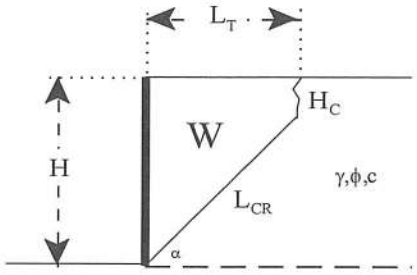
Geotechnologies, Inc.

Project: Aragon Poroperties, LTD>
File No.: 20489
Description: Daylighted bedrock, Hydrostatic

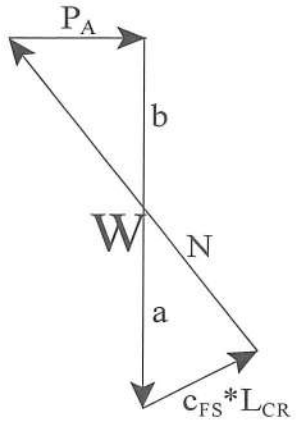
Retaining Wall Design with Level Backfill (Vector Analysis)

Input:

Retaining Wall Height	(H)	35.00	feet
Unit Weight of Retained Soils	(γ)	58.0	pcf
Friction Angle of Retained Soils	(ϕ)	20.0	degrees
Cohesion of Retained Soils	(c)	335.0	psf
Factor of Safety	(FS)	1.50	
		28	
Factored Parameters:	(ϕ_{FS})	13.6	degrees
	(c_{FS})	223.3	psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
20	35.9	-92	-5327.9	-2.8	-5398.7	70.8	0.0
21	31.3	321	18604.1	10.4	17561.4	1042.7	134.7
22	27.8	563	32633.2	19.3	28865.9	3767.3	553.7
23	25.0	707	41016.9	25.6	34174.9	6842.0	1127.9
24	22.8	793	46003.9	30.1	36269.9	9734.0	1779.7
25	21.0	842	48862.8	33.2	36603.1	12259.7	2463.3
26	19.4	868	50347.0	35.5	35967.0	14380.0	3151.4
27	18.2	878	50922.9	37.1	34809.2	16113.7	3827.2
28	17.1	877	50888.8	38.2	33387.8	17501.1	4480.8
29	16.2	870	50441.3	38.9	31854.0	18587.3	5106.2
30	15.3	857	49712.5	39.3	30296.5	19416.0	5700.1
31	14.6	841	48792.9	39.5	28766.8	20026.0	6260.8
32	14.0	823	47745.5	39.6	27293.9	20451.6	6787.9
33	13.5	804	46614.8	39.6	25893.2	20721.6	7281.4
34	13.0	783	45432.4	39.4	24571.6	20860.8	7741.9
35	12.5	762	44220.7	39.2	23330.9	20889.8	8170.2
36	12.2	741	42995.9	38.9	22169.8	20826.2	8567.3
37	11.8	720	41769.8	38.5	21085.3	20684.5	8934.2
38	11.5	699	40550.5	38.2	20073.4	20477.1	9272.0
39	11.2	678	39343.9	37.8	19129.6	20214.3	9581.6
40	11.0	658	38154.2	37.3	18249.2	19905.0	9864.0
41	10.8	638	36984.2	36.9	17427.7	19556.5	10120.2
42	10.6	618	35835.5	36.5	16660.6	19174.9	10351.0
43	10.4	598	34709.4	36.0	15943.7	18765.7	10557.1
44	10.3	579	33606.3	35.6	15273.0	18333.3	10739.3
45	10.2	561	32526.4	35.1	14645.0	17881.5	10898.2



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 10898.2 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of wall)

$EFP = 2*P_A/H^2$

EFP 17.8 pcf

Design Wall for an Equivalent Fluid Pressure: **18 pcf** **62.5** Water

Total 81 Psf

Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Geologic Material Bedrock-Oblique / Favorable Oriented - Drained

Soil Weight	γ	120 pcf
Internal Friction Angle	ϕ	25 degrees
Cohesion	c	530 psf
Height of Retaining Wall	H	15 feet

Cantilever Retaining Wall Design based on At Rest Earth Pressure

$\sigma'_h = K_o\sigma'_v$

$K_o = 1 - \sin\phi$	0.577	
$\sigma'_v = \gamma H$	1800.0 psf	
σ'_h =	1039.3 psf	
EFP =	69.3 pcf	
P_o =	7794.7 lbs/ft	(based on a triangular distribution of pressure)

Design wall for an EFP of 69 pcf

Geotechnologies, Inc.

Project: Aragon Properties, Ltd.
File No.: 20489
Geologic Material Bedrock - Daylighted – Drained

Soil Weight	γ	120 pcf
Internal Friction Angle	ϕ	20 degrees
Cohesion	c	335 psf
Height of Retaining Wall	H	65 feet

Cantilever Retaining Wall Design based on At Rest Earth Pressure

$\sigma'_h = K_o\sigma'_v$

	$K_o = 1 - \sin\phi$	0.658
	$\sigma'_v = \gamma H$	7800.0 psf
σ'_h =	5132.2 psf	
EFP =	79.0 pcf	
P_o =	166797.9 lbs/ft	(based on a triangular distribution of pressure)

Design wall for an EFP of 79 pcf

Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Geologic Material Bedrock-Oblique / Favorable Oirented -Hydrostatic

Soil Weight	γ	58 pcf
Internal Friction Angle	ϕ	25 degrees
Cohesion	c	530 psf
Height of Retaining Wall	H	15 feet

Cantilever Retaining Wall Design based on At Rest Earth Pressure

$\sigma'_h = K_o\sigma'_v$

	$K_o = 1 - \sin\phi$	0.577
	$\sigma'_v = \gamma H$	870.0 psf
σ'_h =	502.3 psf	
EFP =	33.5 pcf	
P_o =	3767.4 lbs/ft	(based on a triangular distribution of pressure)

Design wall for an EFP of 34 pcf + 62.4 (hydrostatic) = 96.4 say 97 psf

Geotechnologies, Inc.

Project: Aragon Properties, Ltd.
File No.: 20489
Geologic Material Bedrock - Daylighted - hydrostatic

Soil Weight	γ	58.6 pcf
Internal Friction Angle	ϕ	20 degrees
Cohesion	c	335 psf
Height of Retaining Wall	H	65 feet

Cantilever Retaining Wall Design based on At Rest Earth Pressure

$\sigma'_h = K_o\sigma'_v$

	$K_o = 1 - \sin\phi$	0.658
	$\sigma'_v = \gamma H$	3809.0 psf
σ'_h =	2506.2 psf	
EFP =	38.6 pcf	
P_o =	81453.0 lbs/ft	(based on a triangular distribution of pressure)

Soil

Design wall for an EFP of 39 pcf +62.4 = 101.4 say 102 pcf

Geotechnologies, Inc.

Project: Aragon Properties, LTD

File No.: 20489

Seismically Induced Lateral Soil Pressure on Retaining Wall

(Based on City of Los Angeles P/BC 2020-083)

Input:

Height of Retaining Wall:	(H)	30.0 feet	
Retained Soil Unit Weight:	(γ)	120.0 pcf	
Short Duration Acceleration	PGAm	1.044 g	
Horizontal Ground Acceleration:	(k_h)	0.35 g	(1/2 *2/3*PGAm)

Seismic Increment (ΔP_{AE}):

$\Delta P_{AE} = (0.5*\gamma*H^2)*(0.75*k_h)$

ΔP_{AE} = 14094.0 lbs/ft

Force applied at 0.6H above the base of the wall

Transfer load to 2/3 of the height of the wall

$T*(2/3)*H = \Delta P_{AE}*0.6*H$

T = 12684.6 lbs/ft

$EFP = 2*T/H^2$

EFP = 28.2 pcf Triangular shape

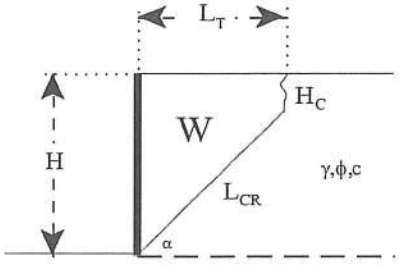
Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Description: Bedrock -adverse

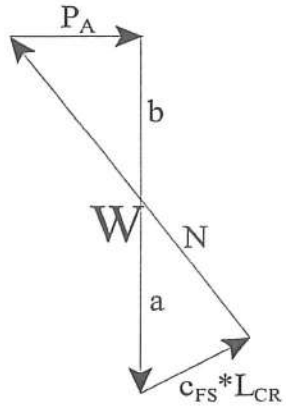
Shoring Design with Level Backfill
(Vector Analysis)

Input:

Shoring Height	(H)	25.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.25
Factored Parameters:	(ϕ_{FS})	16.2 degrees
	(c_{FS})	268.0 psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
15	-103.1	-18652	-2238228.1	494.8	-5910189.9	3671961.8	0.0
16	-545.5	-517769	-62132322.2	2069.7	-130233265.1	68100942.8	0.0
17	167.8	-45020	-5402439.1	-488.4	-9403751.7	4001312.6	0.0
18	73.2	-7278	-873314.2	-155.9	-1301844.9	428530.7	0.0
19	47.0	-2300	-276017.3	-67.6	-360356.2	84338.8	0.0
20	34.7	-800	-95971.6	-28.5	-111624.9	15653.2	0.0
21	27.6	-181	-21770.8	-7.4	-22864.9	1094.1	0.0
22	23.0	118	14114.5	5.3	13532.7	581.7	58.7
23	19.8	276	33079.4	13.4	29217.7	3861.7	458.1
24	17.4	363	43561.7	18.8	35718.3	7843.4	1069.6
25	15.5	412	49405.2	22.4	37854.3	11550.9	1781.1
26	14.1	438	52549.7	24.9	37840.4	14709.3	2531.7
27	12.9	450	54051.6	26.7	36764.3	17287.3	3287.0
28	11.9	454	54520.8	27.9	35185.0	19335.8	4027.4
29	11.1	453	54326.4	28.7	33398.7	20927.7	4741.5
30	10.4	447	53699.7	29.2	31564.1	22135.6	5423.0
31	9.8	440	52790.3	29.5	29765.8	23024.5	6068.6
32	9.3	431	51697.0	29.6	28047.2	23649.8	6676.9
33	8.9	421	50486.4	29.6	26428.9	24057.5	7247.7
34	8.5	410	49204.2	29.5	24918.3	24285.9	7781.3
35	8.1	399	47881.9	29.4	23515.6	24366.4	8278.7
36	7.8	388	46541.4	29.2	22216.8	24324.6	8741.0
37	7.6	377	45198.0	29.0	21016.1	24181.9	9169.3
38	7.3	366	43862.3	28.7	19906.7	23955.5	9564.9
39	7.1	355	42541.6	28.4	18881.6	23660.0	9929.1
40	6.9	344	41241.0	28.1	17933.7	23307.3	10263.1



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 10263.1 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of shoring)

$EFP = 2*P_A/H^2$

EFP 32.8 pcf

Design Shoring for an Equivalent Fluid Pressure: 33 pcf

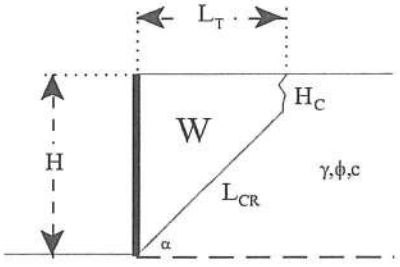
Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Description: Bedrock -adverse

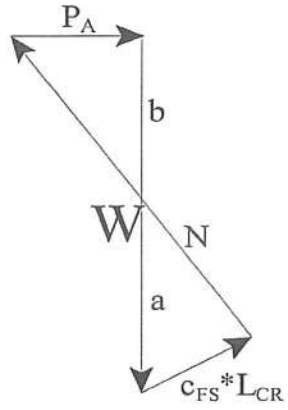
Shoring Design with Level Backfill
(Vector Analysis)

Input:

Shoring Height	(H)	35.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.25
Factored Parameters:	(ϕ_{FS})	16.2 degrees
	(c_{FS})	268.0 psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
15	-103.1	-17532	-2103874.3	533.4	-6371721.9	4267847.6	0.0
16	-545.5	-516723	-62006775.3	2106.0	-132516090.9	70509315.6	0.0
17	167.8	-44039	-5284688.4	-454.2	-8745175.5	3460487.1	0.0
18	73.2	-6354	-762517.6	-123.5	-1031601.0	269083.5	0.0
19	47.0	-1429	-171465.7	-36.9	-196558.4	25092.7	0.0
20	34.7	24	2937.6	0.7	2926.8	10.8	0.7
21	27.6	600	72012.4	20.5	63558.5	8453.9	704.8
22	23.0	860	103217.6	32.0	81906.8	21310.7	2151.8
23	19.8	982	117890.1	39.0	85116.8	32773.3	3888.1
24	17.4	1037	124419.0	43.3	82537.4	41881.7	5711.5
25	15.5	1055	126607.5	46.1	77807.1	48800.4	7524.8
26	14.1	1053	126360.6	47.8	72446.0	53914.7	9279.4
27	12.9	1039	124705.5	48.7	67107.1	57598.5	10951.8
28	11.9	1019	122227.0	49.2	62064.2	60162.8	12531.1
29	11.1	994	119272.1	49.3	57418.5	61853.6	14013.9
30	10.4	967	116053.6	49.2	53191.5	62862.1	15400.5
31	9.8	939	112704.4	48.9	49368.2	63336.1	16693.6
32	9.3	911	109309.0	48.5	45918.6	63390.5	17896.7
33	8.9	883	105921.6	48.0	42807.3	63114.3	19014.1
34	8.5	855	102576.4	47.4	39999.1	62577.3	20050.1
35	8.1	827	99295.3	46.8	37460.7	61834.6	21008.9
36	7.8	801	96091.2	46.2	35161.8	60929.3	21894.7
37	7.6	775	92971.6	45.6	33075.5	59896.1	22711.4
38	7.3	750	89940.2	44.9	31177.9	58762.3	23462.4
39	7.1	725	86997.9	44.3	29447.8	57550.1	24151.3
40	6.9	701	84144.1	43.6	27867.0	56277.1	24780.9



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 24780.9 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of shoring)

$EFP = 2*P_A/H^2$

EFP 40.5 pcf

Design Shoring for an Equivalent Fluid Pressure: 41 pcf

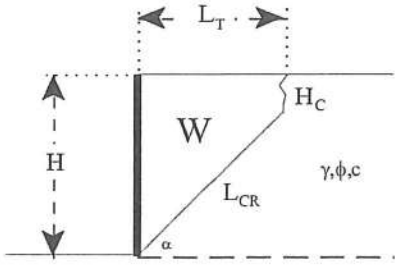
Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Description: Bedrock -adverse

Shoring Design with Level Backfill
(Vector Analysis)

Input:

Shoring Height	(H)	35.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.25
Factored Parameters:	(ϕ_{FS})	16.2 degrees
	(c_{FS})	268.0 psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) feet^2	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
15	-103.1	-17532	-2103874.3	533.4	-6371721.9	4267847.6	0.0
16	-545.5	-516723	-62006775.3	2106.0	-132516090.9	70509315.6	0.0
17	167.8	-44039	-5284688.4	-454.2	-8745175.5	3460487.1	0.0
18	73.2	-6354	-762517.6	-123.5	-1031601.0	269083.5	0.0
19	47.0	-1429	-171465.7	-36.9	-196558.4	25092.7	0.0
20	34.7	24	2937.6	0.7	2926.8	10.8	0.7
21	27.6	600	72012.4	20.5	63558.5	8453.9	704.8
22	23.0	860	103217.6	32.0	81906.8	21310.7	2151.8
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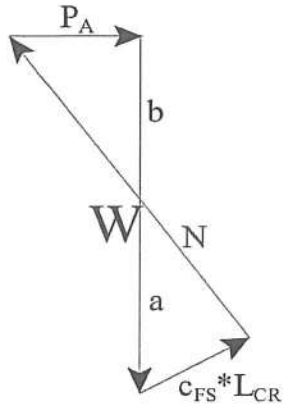
24	17.4	1037	124419.0	43.3	82537.4	41881.7	5711.5
25	15.5	1055	126607.5	46.1	77807.1	48800.4	7524.8
26	14.1	1053	126360.6	47.8	72446.0	53914.7	9279.4
27	12.9	1039	124705.5	48.7	67107.1	57598.5	10951.8
28	11.9	1019	122227.0	49.2	62064.2	60162.8	12531.1
29	11.1	994	119272.1	49.3	57418.5	61853.6	14013.9
30	10.4	967	116053.6	49.2	53191.5	62862.1	15400.5
31	9.8	939	112704.4	48.9	49368.2	63336.1	16693.6
32	9.3	911	109309.0	48.5	45918.6	63390.5	17896.7
33	8.9	883	105921.6	48.0	42807.3	63114.3	19014.1
34	8.5	855	102576.4	47.4	39999.1	62577.3	20050.1
35	8.1	827	99295.3	46.8	37460.7	61834.6	21008.9
36	7.8	801	96091.2	46.2	35161.8	60929.3	21894.7
37	7.6	775	92971.6	45.6	33075.5	59896.1	22711.4
38	7.3	750	89940.2	44.9	31177.9	58762.3	23462.4
39	7.1	725	86997.9	44.3	29447.8	57550.1	24151.3
40	6.9	701	84144.1	43.6	27867.0	56277.1	24780.9



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,mnx}$ 24780.9 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of shoring)

$EFP = 2*P_A/H^2$

EFP 40.5 pcf

Design Shoring for an Equivalent Fluid Pressure: 41 pcf

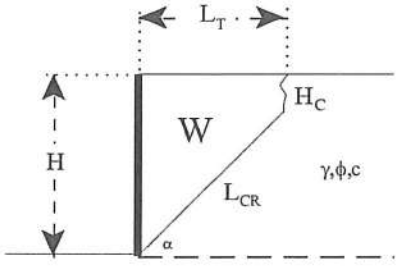
Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Description: Bedrock -adverse

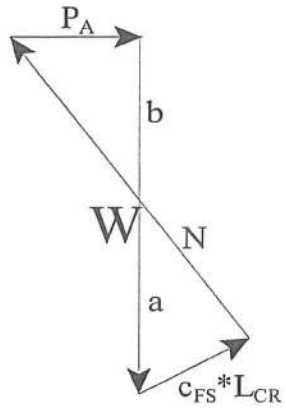
Shoring Design with Level Backfill
(Vector Analysis)

Input:

Shoring Height	(H)	45.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.25
Factored Parameters:	(ϕ_{FS})	16.2 degrees
	(c_{FS})	268.0 psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) feet^2	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
15	-103.1	-16039	-1924735.9	572.0	-6833253.8	4908517.9	0.0
16	-545.5	-515328	-61839379.4	2142.3	-134798916.7	72959537.3	0.0
17	167.8	-42731	-5127687.5	-420.0	-8086599.3	2958911.8	0.0
18	73.2	-5123	-614788.7	-91.2	-761357.1	146568.4	0.0
19	47.0	-267	-32063.6	-6.1	-32760.7	697.1	0.0
20	34.7	1123	134816.5	30.0	117478.5	17338.0	1141.2
21	27.6	1642	197056.7	48.4	149981.8	47074.9	3924.6
22	23.0	1850	222021.7	58.7	150281.0	71740.8	7243.8
23	19.8	1925	230971.0	64.6	141015.9	89955.1	10671.9
24	17.4	1935	232228.8	67.9	129356.4	102872.4	14029.0
25	15.5	1913	229543.8	69.7	117759.8	111784.0	17236.6
26	14.1	1873	224775.2	70.6	107051.5	117723.7	20261.8
27	12.9	1824	218910.8	70.7	97449.8	121461.0	23094.6
28	11.9	1771	212501.9	70.5	88943.3	123558.5	25735.5
29	11.1	1716	205866.4	69.9	81438.3	124428.1	28191.0
30	10.4	1660	199192.0	69.2	74818.9	124373.1	30470.0
31	9.8	1605	192589.8	68.3	68970.7	123619.1	32582.4
32	9.3	1551	186125.1	67.4	63789.9	122335.2	34538.3
33	8.9	1499	179835.1	66.3	59185.7	120649.4	36347.4
34	8.5	1448	173739.4	65.3	55079.9	118659.5	38019.0
35	8.1	1399	167846.4	64.3	51405.8	116440.5	39561.8
36	7.8	1351	162157.5	63.2	48106.9	114050.6	40983.6
37	7.6	1306	156669.7	62.2	45134.9	111534.8	42291.7
38	7.3	1261	151377.4	61.2	42449.0	108928.4	43492.6
39	7.1	1219	146273.0	60.2	40014.1	106258.9	44592.3
40	6.9	1178	141348.3	59.2	37800.3	103548.0	45596.1



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 45596.1 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of shoring)

$EFP = 2*P_A/H^2$

EFP 45.0 pcf

Design Shoring for an Equivalent Fluid Pressure: **45 pcf**

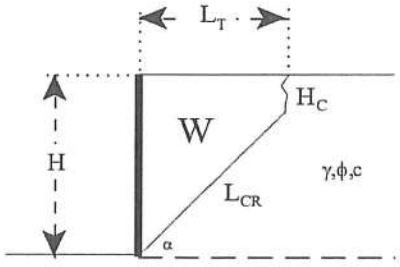
Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Description: Bedrock -adverse

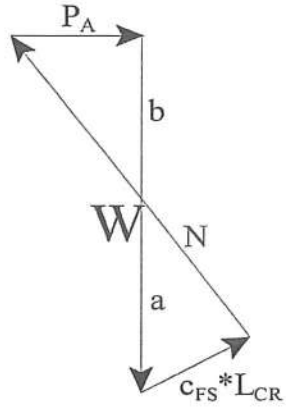
Shoring Design with Level Backfill (Vector Analysis)

Input:

Shoring Height	(H)	55.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.25
Factored Parameters:	(ϕ_{FS})	16.2 degrees
	(c_{FS})	268.0 psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) $feet^2$	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
15	-103.1	-14173	-1700812.8	610.7	-7294785.7	5593972.9	0.0
16	-545.5	-513584	-61630134.6	2178.6	-137081742.5	75451607.9	0.0
17	167.8	-41095	-4931436.3	-385.8	-7428023.1	2496586.8	0.0
18	73.2	-3584	-430127.7	-58.8	-491113.3	60985.5	0.0
19	47.0	1185	142189.0	24.6	131037.1	11152.0	538.7
20	34.7	2497	299665.1	59.2	232030.2	67635.0	4451.6
21	27.6	2945	353362.1	76.3	236405.2	116956.9	9750.6
22	23.0	3088	370527.0	85.4	218655.1	151871.9	15334.7
23	19.8	3103	372322.1	90.2	196915.1	175407.1	20809.5
24	17.4	3058	366991.0	92.5	176175.5	190815.6	26022.1
25	15.5	2985	358214.2	93.4	157712.6	200501.7	30916.4
26	14.1	2898	347793.5	93.4	141657.0	206136.4	35478.9
27	12.9	2806	336667.5	92.8	127792.6	208874.8	39715.4
28	11.9	2711	325345.4	91.8	115822.5	209523.0	43640.7
29	11.1	2618	314109.3	90.6	105458.1	208651.2	47273.0
30	10.4	2526	303115.1	89.2	96446.3	206668.8	50631.6
31	9.8	2437	292446.5	87.7	88573.1	203873.4	53735.1
32	9.3	2351	282145.1	86.2	81661.2	200483.9	56601.6
33	8.9	2269	272227.0	84.7	75564.1	196662.9	59247.6
34	8.5	2189	262693.0	83.2	70160.6	192532.4	61688.3
35	8.1	2113	253535.2	81.7	65350.9	188184.3	63937.5
36	7.8	2040	244740.4	80.2	61051.9	183688.5	66007.7
37	7.6	1969	236292.4	78.8	57194.4	179098.1	67910.3
38	7.3	1901	228173.9	77.4	53720.1	174453.7	69655.4
39	7.1	1836	220366.8	76.1	50580.3	169786.4	71252.1
40	6.9	1774	212853.5	74.8	47733.6	165119.9	72708.5



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 72708.5 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of shoring)

$EFP = 2*P_A/H^2$

EFP 48.1 pcf

Design Shoring for an Equivalent Fluid Pressure: 48 pcf

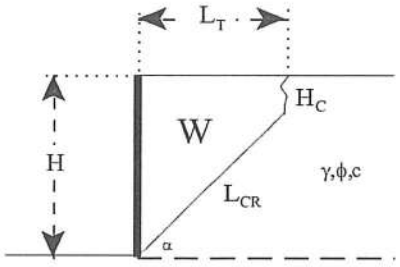
Geotechnologies, Inc.

Project: Aragon Properties, LTD
File No.: 20489
Description: Bedrock -adverse

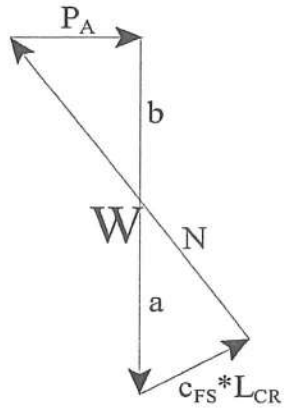
Shoring Design with Level Backfill
(Vector Analysis)

Input:

Shoring Height	(H)	65.00 feet
Unit Weight of Retained Soils	(γ)	120.0 pcf
Friction Angle of Retained Soils	(ϕ)	20.0 degrees
Cohesion of Retained Soils	(c)	335.0 psf
Factor of Safety	(FS)	1.25
Factored Parameters:	(ϕ_{FS})	16.2 degrees
	(c_{FS})	268.0 psf



Failure Angle (α) degrees	Height of Tension Crack (H_C) feet	Area of Wedge (A) feet^2	Weight of Wedge (W) lbs/lineal foot	Length of Failure Plane (L_{CR}) feet	a lbs/lineal foot	b lbs/lineal foot	Active Pressure (P_A) lbs/lineal foot
15	-103.1	-11934	-1432105.2	649.3	-7756317.7	6324212.5	0.0
16	-545.5	-511492	-61379040.7	2214.8	-139364568.3	77985527.6	0.0
17	167.8	-39133	-4695934.9	-351.6	-6769446.9	2073512.0	0.0
18	73.2	-1738	-208534.5	-26.4	-220869.4	12334.9	0.0
19	47.0	2927	351292.2	55.3	294834.8	56457.4	2727.3
20	34.7	4146	497483.5	88.5	346581.8	150901.7	9932.1
21	27.6	4508	540928.5	104.2	322828.5	218099.9	18182.9
22	23.0	4573	548733.2	112.1	287029.2	261704.0	26424.6
23	19.8	4516	541943.5	115.7	252814.2	289129.3	34301.0
24	17.4	4406	528705.7	117.1	222994.5	305711.2	41690.8
25	15.5	4272	512618.7	117.1	197665.3	314953.4	48564.3
26	14.1	4128	495415.3	116.2	176262.5	319152.8	54930.5
27	12.9	3983	477975.4	114.8	158135.4	319840.0	60814.3
28	11.9	3840	460757.7	113.1	142701.6	318056.1	66246.7
29	11.1	3700	444000.7	111.2	129477.9	314522.8	71259.8
30	10.4	3565	427822.7	109.2	118073.6	309749.1	75885.1
31	9.8	3436	412274.7	107.1	108175.6	304099.1	80151.7
32	9.3	3311	397369.2	105.1	99532.6	297836.6	84086.7
33	8.9	3192	383097.2	103.1	91942.4	291154.8	87714.7
34	8.5	3079	369437.4	101.1	85241.4	284196.0	91057.7
35	8.1	2970	356361.9	99.1	79296.1	277065.8	94135.8
36	7.8	2865	343839.9	97.3	73997.0	269842.9	96967.0
37	7.6	2765	331839.7	95.4	69253.8	262585.9	99567.2
38	7.3	2669	320329.6	93.7	64991.3	255338.4	101950.8
39	7.1	2577	309279.4	92.0	61146.6	248132.8	104130.7
40	6.9	2489	298659.8	90.3	57666.9	240992.9	106118.2



Design Equations (Vector Analysis):

$a = c_{FS}*L_{CR}*\sin(90+\phi_{FS})/\sin(\alpha-\phi_{FS})$

$b = W-a$

$P_A = b*\tan(\alpha-\phi_{FS})$

$EFP = 2*P_A/H^2$

Maximum Active Pressure Resultant

$P_{A,\,max}$ 106118.2 lbs/lineal foot

Equivalent Fluid Pressure (per lineal foot of shoring)

$EFP = 2*P_A/H^2$

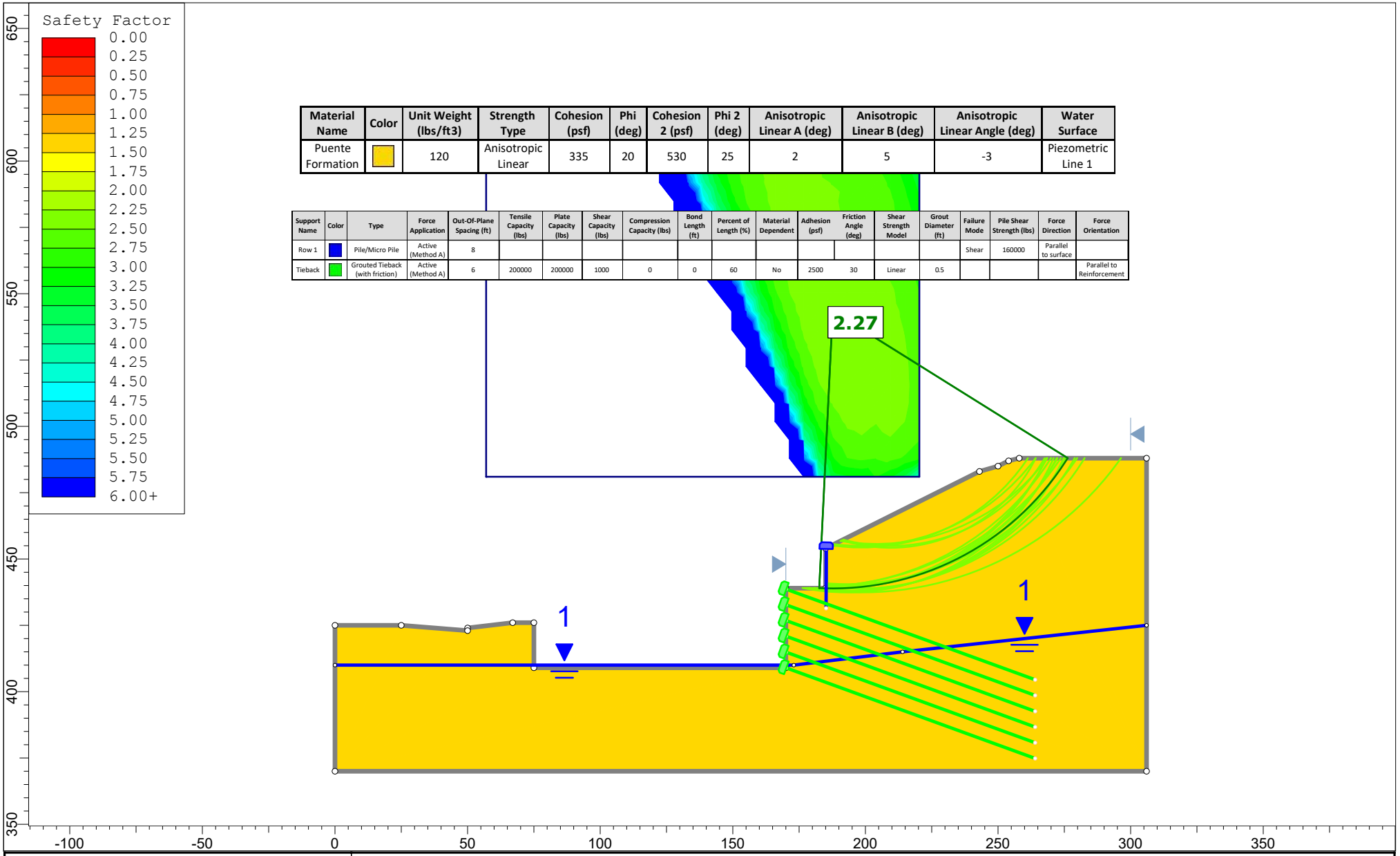
EFP 50.2 pcf

Design Shoring for an Equivalent Fluid Pressure: 50 pcf

Appendix D
Slide2 Printouts

rocscience

20489 BB Updated Profile upper
File No 20489
Geotechnologies, inc.
Date Created: 5/9/2017, 8:44:53 PM
Software Version: 9.012



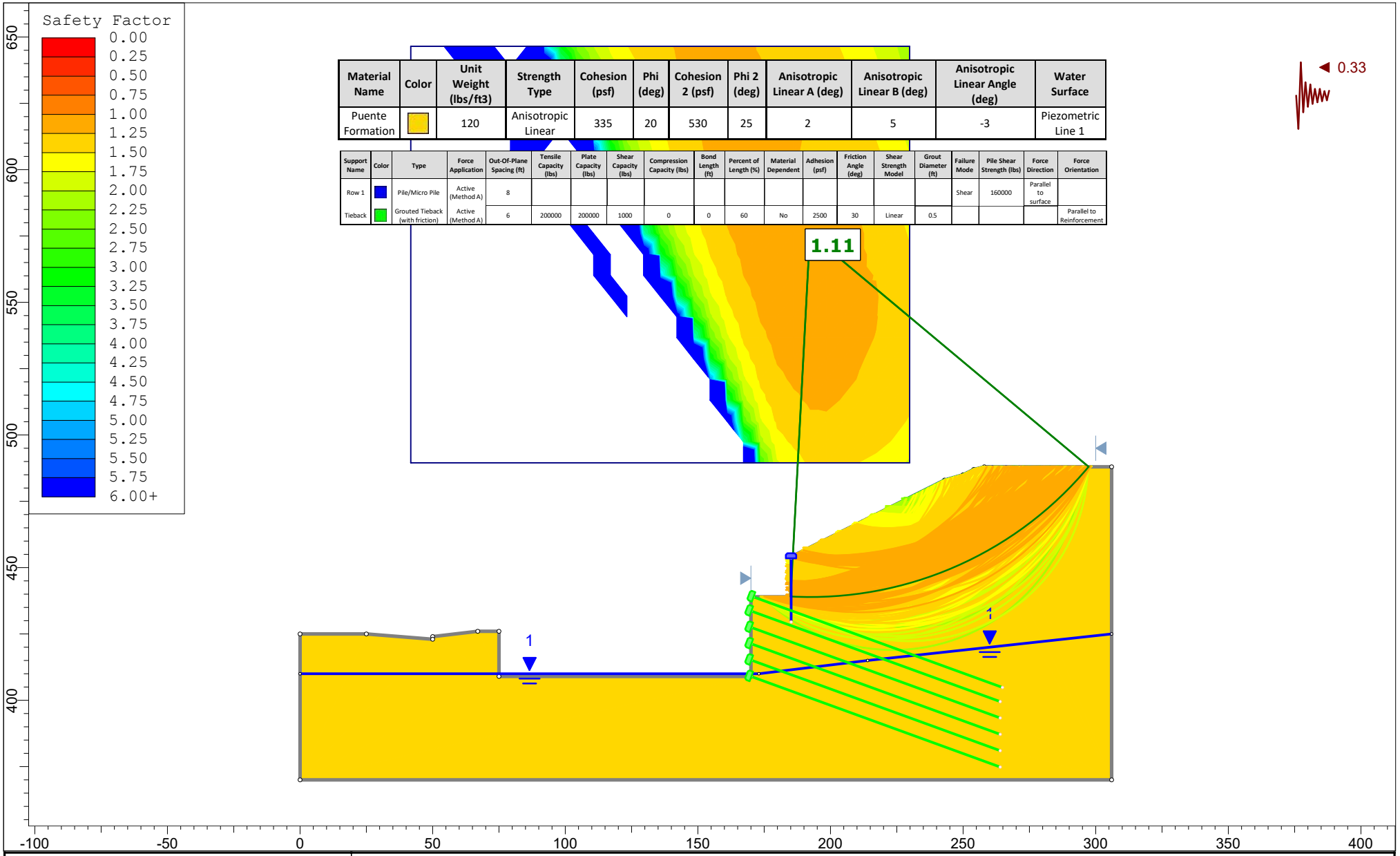
Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	160000	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section B-B', Upper Slope, Proposed Cut		
Scale	1:600	*Comment 1*	Curved Static
Date	9/5/2023	*Location of Analysis*	Proposed Cut

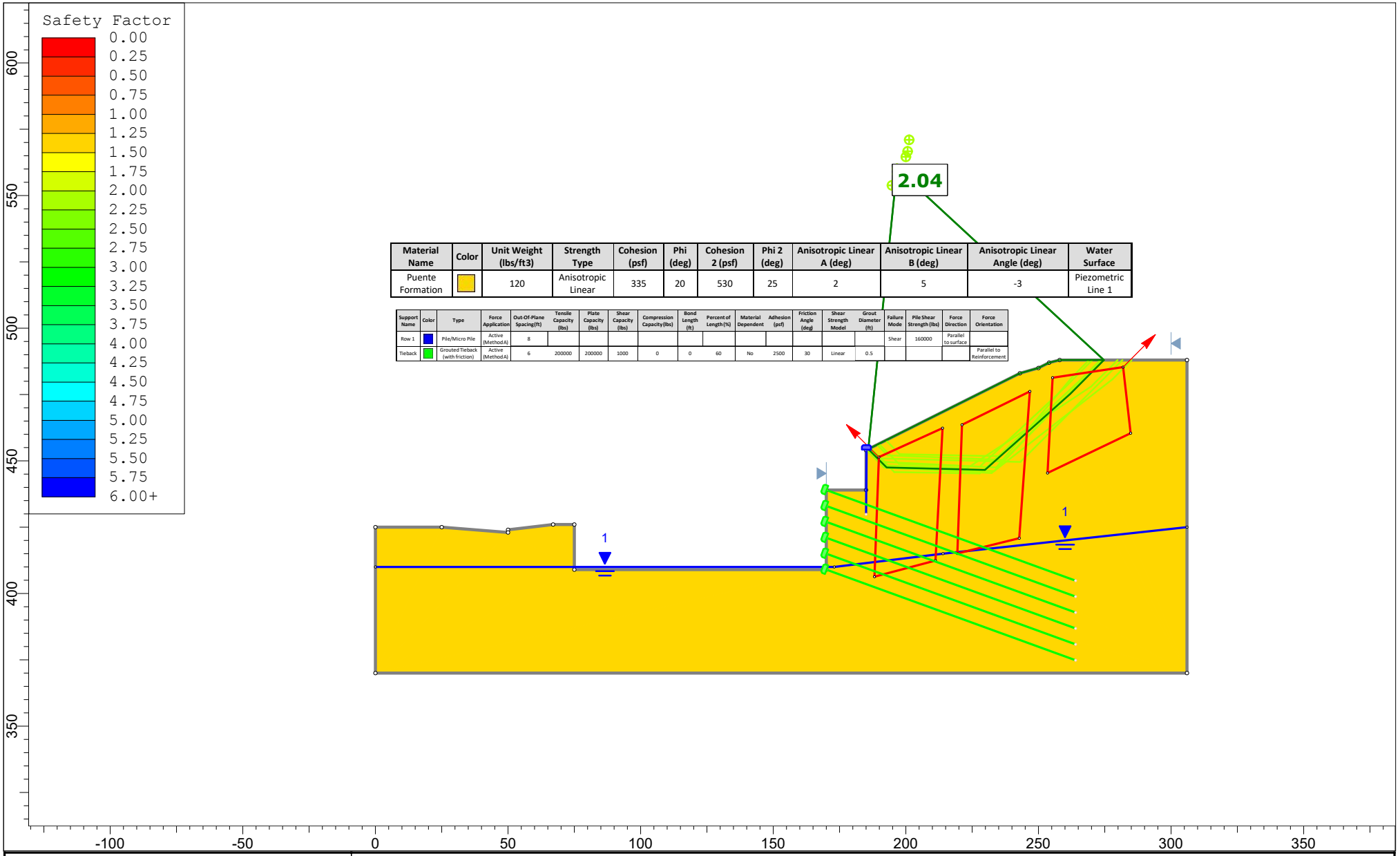


Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	160000	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	*Project*	File No 20486 Aragon- Sunset	
	Analysis	Cross Section B-B', Upper Slope, Proposed Cut	
	Scale	1:600	*Comment 1* Curved PseudoStatic
	Date	9/5/2023	*Location of Analysis* Proposed Cut

SLIDEINTERPRET 9.012

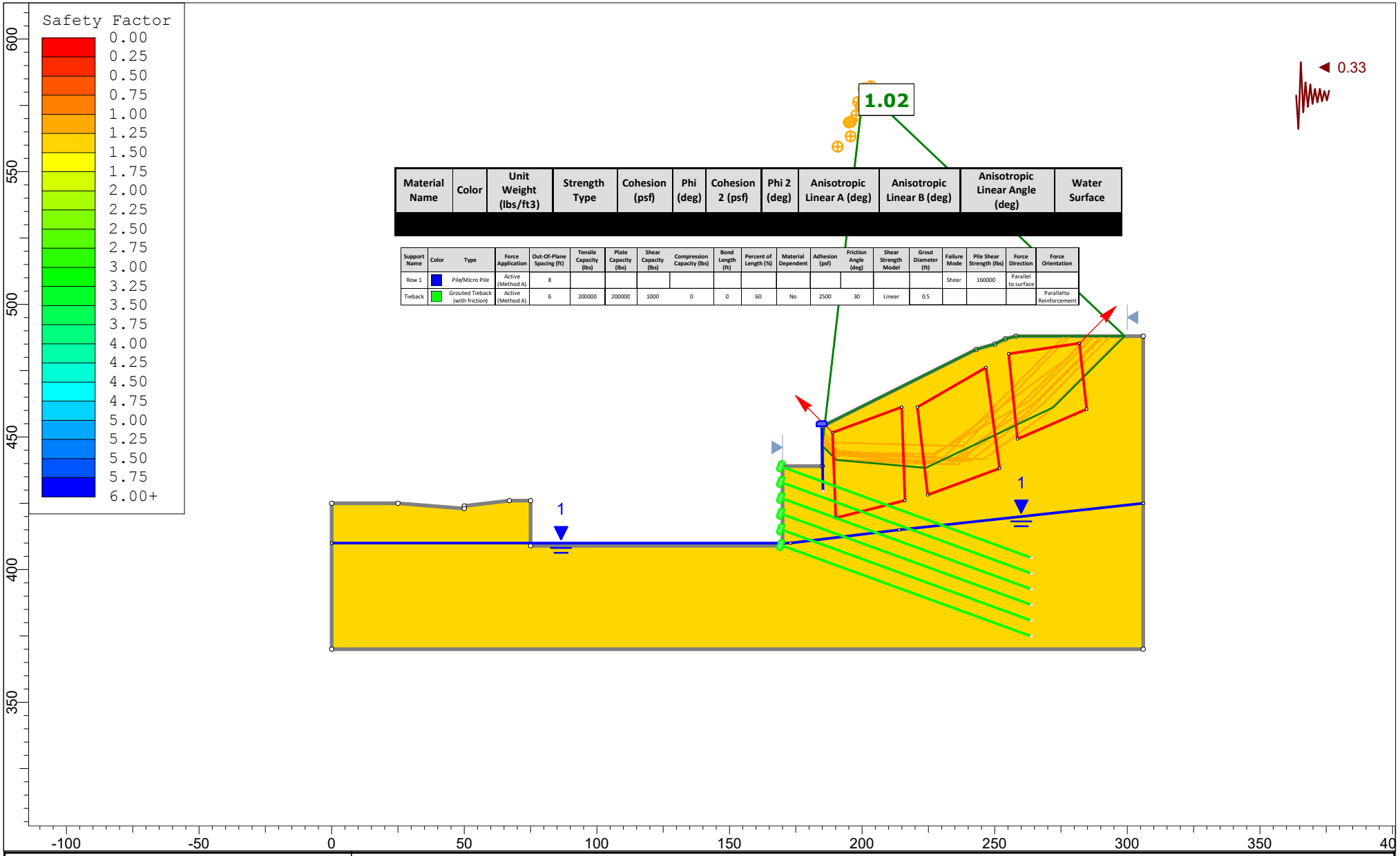


Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	160000	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	*Project*	File No 20486 Aragon- Sunset	
	Analysis	Cross Section B-B', Upper Slope, Proposed Cut	
	Scale	1:600	*Comment 1* Block Static
	Date	9/5/2023	*Location of Analysis* Proposed Cut

SLIDEINTERPRET 9.012



Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	160000	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallelto Reinforcement

GEOTECHNOLOGIES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section B-B', Upper Slope, Proposed Cut		
Scale	1:600	*Comment 1*	Block Static
Date	9/5/2023	*Location of Analysis*	Proposed Cut

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Slide Analysis Information

20489 BB Updated Profile upper

Project Summary

File Name:	20489 BB Updated Profile upper.slmd
Last saved with Slide version:	9.012
Project Title:	File No 20489
Analysis:	Cross Section B-B' Upper Slope
Author:	RTK
Company:	Geotechnologies, inc.
Date Created:	5/9/2017, 8:44:53 PM

Currently Open Scenarios

Group Name	Scenario Name	Compute Time
Block	Master Scenario	
	Block Static	
	Block Pstatic	
	Curved Static	
	Curved PStatic	

General Settings

Units of Measurement:	Imperial Units
Time Units:	days
Permeability Units:	feet/second
Data Output:	Standard
Failure Direction:	Right to Left

Analysis Options

All Open Scenarios

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	74
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

Groundwater Analysis

All Open Scenarios

Groundwater Method:	Water Surfaces
Pore Fluid Unit Weight [lbs/ft3]:	62.4
Use negative pore pressure cutoff:	Yes
Maximum negative pore pressure [psf]:	0
Advanced Groundwater Method:	None

Random Numbers

All Open Scenarios

Pseudo-random Seed:	10116
Random Number Generation Method:	Park and Miller v.3

Surface Options

Block - Curved Static

Surface Type:	Circular
Search Method:	Grid Search
Radius Increment:	10
Composite Surfaces:	Disabled
Reverse Curvature:	Invalid Surfaces
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

All other Scenarios

Surface Type:	Non-Circular Block Search
Number of Surfaces:	8000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Seismic Loading

Block - Master Scenario

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Block Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Block Pstatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Block - Curved Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Curved PStatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Materials

Puente Formation	
Color	
Strength Type	Anisotropic Linear
Unit Weight [lbs/ft3]	120
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	2
B [deg]	5
Anisotropic Definition	Angle
Angle from 1 [deg]	-3
Anisotropic Surface	
Water Surface	Assigned per scenario
Hu Value	Automatically Calculated
Fill	
Color	
Strength Type	Mohr-Coulomb
Unit Weight [lbs/ft3]	120
Cohesion [psf]	390
Friction Angle [deg]	21
Water Surface	Assigned per scenario
Ru Value	0

Materials In Use

Material	Block	Block Static	Block Pstatic	Curved Static	Curved PStatic
Puente Formation	✓	✓	✓	✓	✓

Support

Row 1	
Color	
Support Type	Pile/Micro Pile
Force Application	Active
Out-of-Plane Spacing [ft]	8
Failure Mode	Shear
Pile Shear Strength [lb]	160000
Force Direction	Parallel to surface

Tieback	
Color	
Support Type	Grouted Tieback (with friction)
Force Application	Active
Force Orientation	Parallel to Reinforcement
Bond Length [percent]	60
Out-of-Plane Spacing [ft]	6
Tensile Capacity [lb]	200000
Plate Capacity [lb]	200000
Pullout Strength Adhesion [psf]	2500
Pullout Strength Friction Angle [degrees]	30
Material Dependent	No
Shear Strength Model	Linear
Use External Loads for Strength	yes
Shear Capacity [lb]	1000
Grout Diameter [ft]	0.5

Entity Information

Block

Shared Entities

Type	Coordinates (x,y)
External Boundary	0, 425 0, 370 306, 370 306, 488 258, 488 254, 487 250, 485 243, 483 185, 454 185, 439 170, 439 170, 409 75, 409 75, 426 67, 426 50, 424 50, 423 25, 425

Scenario-based Entities

Type	Coordinates (x,y)	Master Scenario	Block Static	Block Pstatic	Curved Static	Curved PStatic
Piezoline	0, 410 173, 410 214, 415 306, 425	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation
Block Search Window	224.746, 428.163 251.812, 438.157 246.718, 476.149 222.665, 458.268					
Block Search Window	255.267, 481.297 258.604, 449.193 284.71, 460.442 281.904, 485.321					

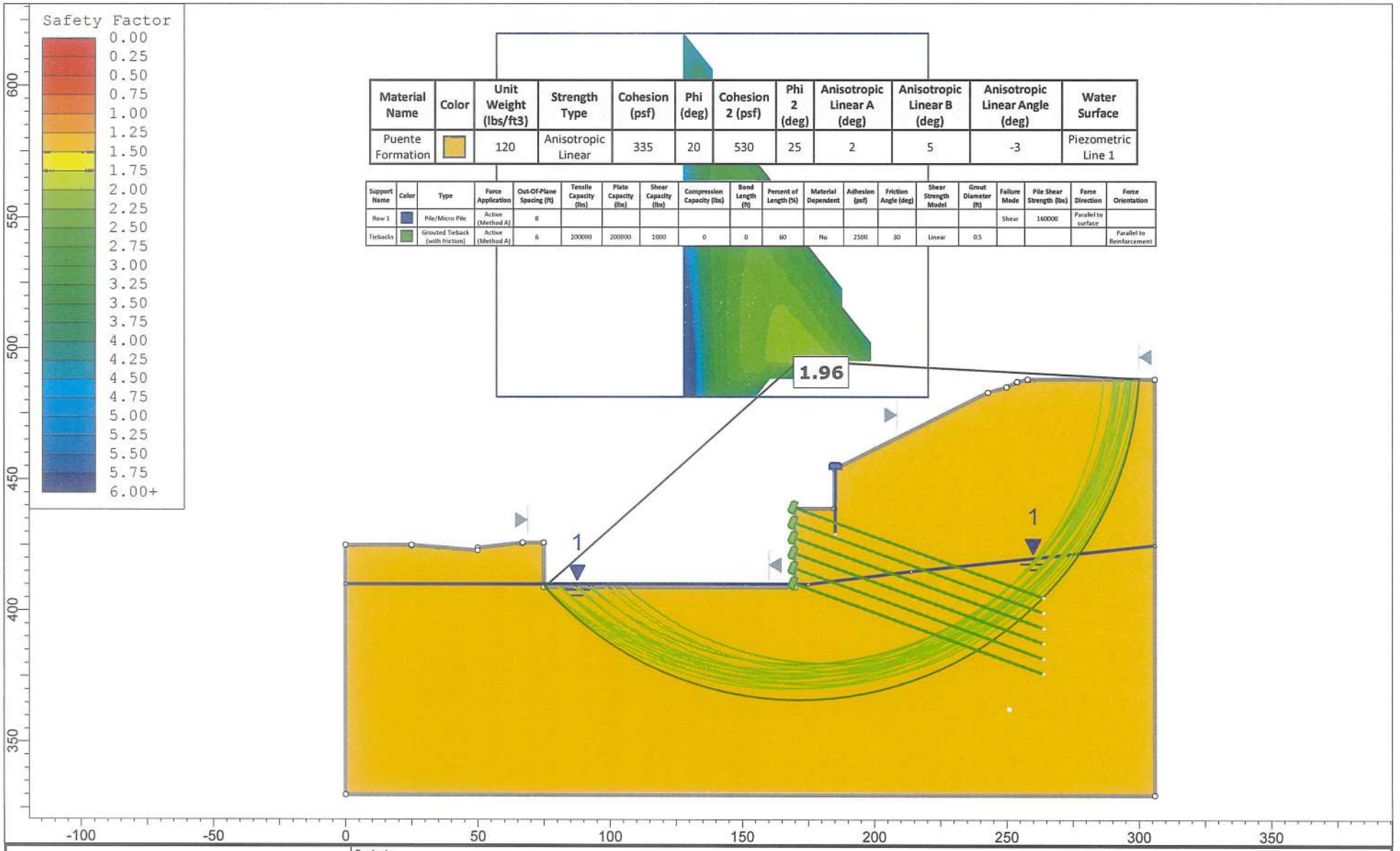
Bolt	185.143, 454.31 184.985, 429.823		Row 1			
Bolt	170, 439 263.969, 404.798		Tieback			
Bolt	170, 433 263.969, 398.798		Tieback			
Bolt	170, 427 263.969, 392.798		Tieback			
Bolt	170, 421 263.969, 386.798		Tieback			
Bolt	170, 415 263.969, 380.798		Tieback			
Bolt	170, 409 263.969, 374.798		Tieback			
Block Search Window	188.122, 406.314 211.173, 412.381 213.842, 462.365 189.821, 451.446					
Bolt	184.87, 454.178 185.263, 429.461			Row 1		
Bolt	170, 438.602 263.969, 404.4			Tieback		
Bolt	170, 432.682 263.969, 398.48			Tieback		
Bolt	170, 426.761 263.969, 392.559			Tieback		

Bolt	170, 420.841 263.969, 386.639			Tieback		
Bolt	170, 414.92 263.969, 380.718			Tieback		
Bolt	170, 409 263.969, 374.798			Tieback		
Block Search Window	190.076, 419.487 216.185, 426.014 214.941, 461.254 188.803, 451.645					
Bolt	185.222, 454.029 185.134, 431.408				Row 1	
Bolt	170, 438.683 263.969, 404.481				Tieback	
Bolt	170, 432.746 263.969, 398.544				Tieback	
Bolt	170, 426.81 263.969, 392.608				Tieback	
Bolt	170, 420.873 263.969, 386.671				Tieback	
Bolt	170, 414.937 263.969, 380.735				Tieback	
Bolt	170, 409 263.969, 374.798				Tieback	

Bolt	185.111, 453.673 185.111, 429.428					Row 1
Bolt	170.828, 439 264.797, 404.798					Tieback
Bolt	170, 433.662 263.969, 399.46					Tieback
Bolt	170, 427.497 263.969, 393.295					Tieback
Bolt	170, 421.331 263.969, 387.129					Tieback
Bolt	170, 415.166 263.969, 380.964					Tieback
Bolt	170, 409 263.969, 374.798					Tieback

rocscience

20489 BB upd9-2-23 lower tiebacks
File No 20489
Geotechnologies, inc.
Date Created: 5/9/2017, 8:44:53 PM
Software Version: 9.012



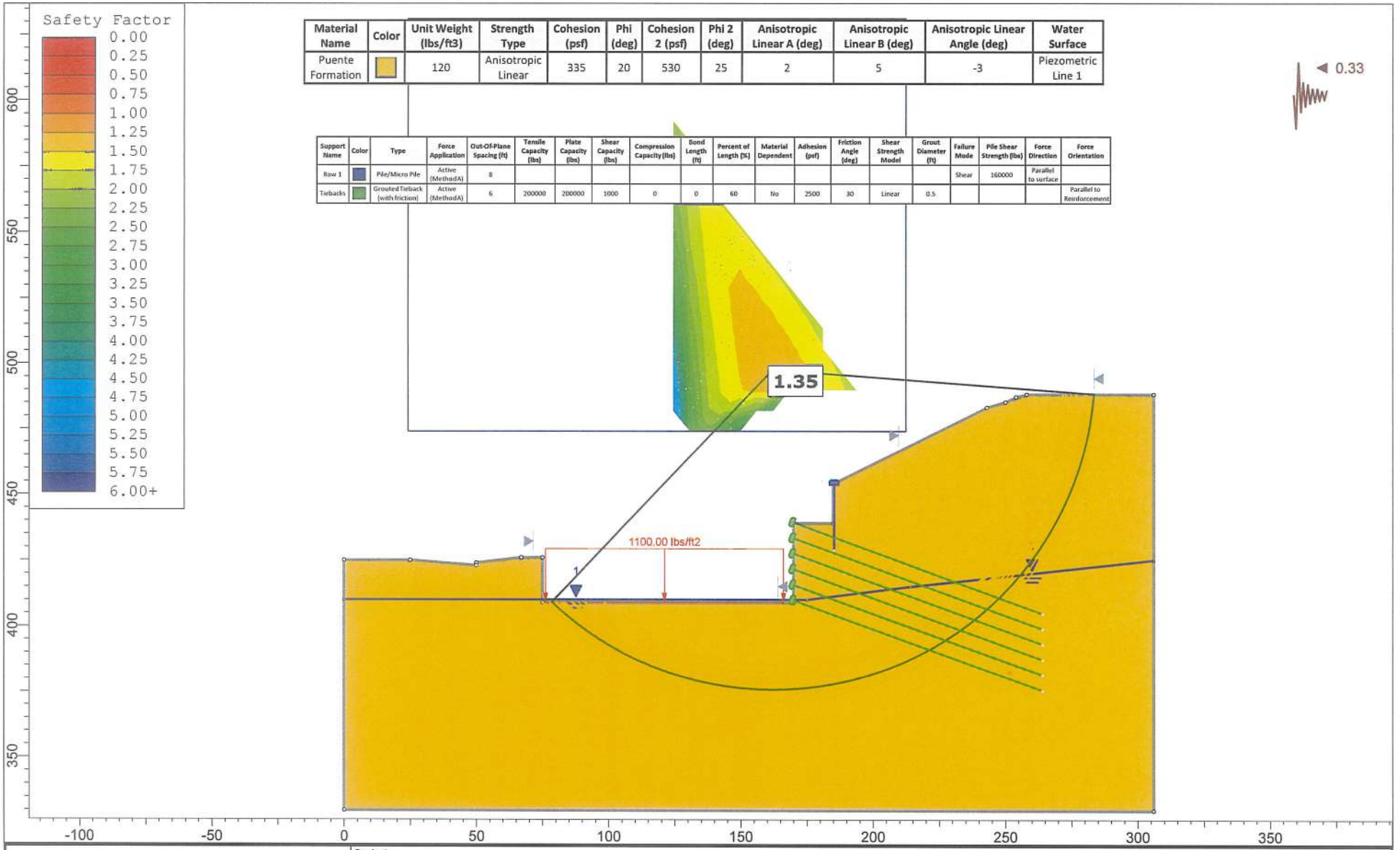
Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	160000	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section B-B', Upper Slope, Proposed Tiebacks		
Scale	1:600	Comment 1	Curved Static
Date	9/5/2023	Location of Analysis	Proposed Cut



Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (MethodA)	8												Shear	160000	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (MethodA)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

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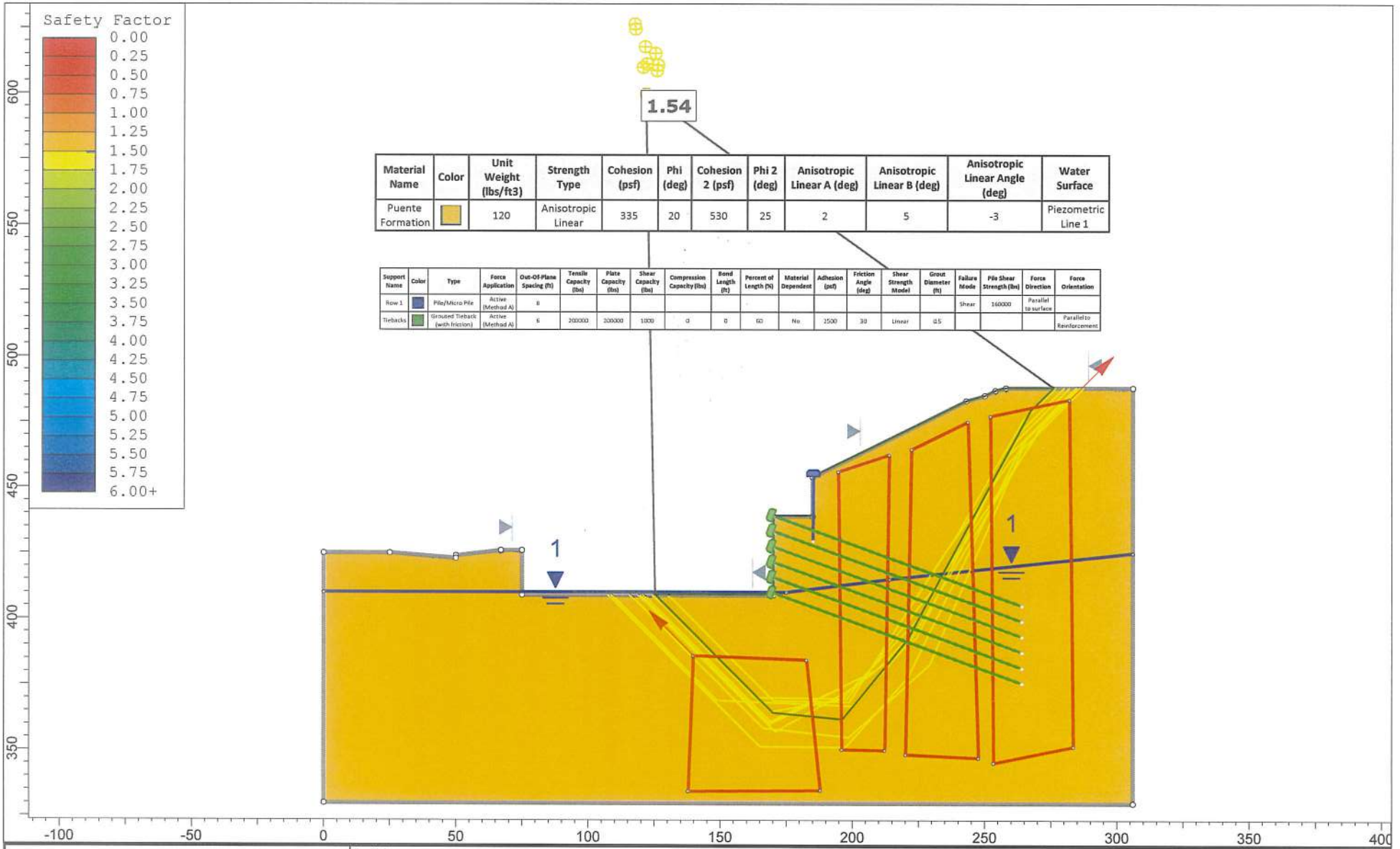
SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section B-B', Lower Slope, Proposed Tiebacks		
Scale	1:600	Comment 1	Curved PseudoStatic
Date	9/5/2023	Location of Analysis	Proposed Cut



Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	160000	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

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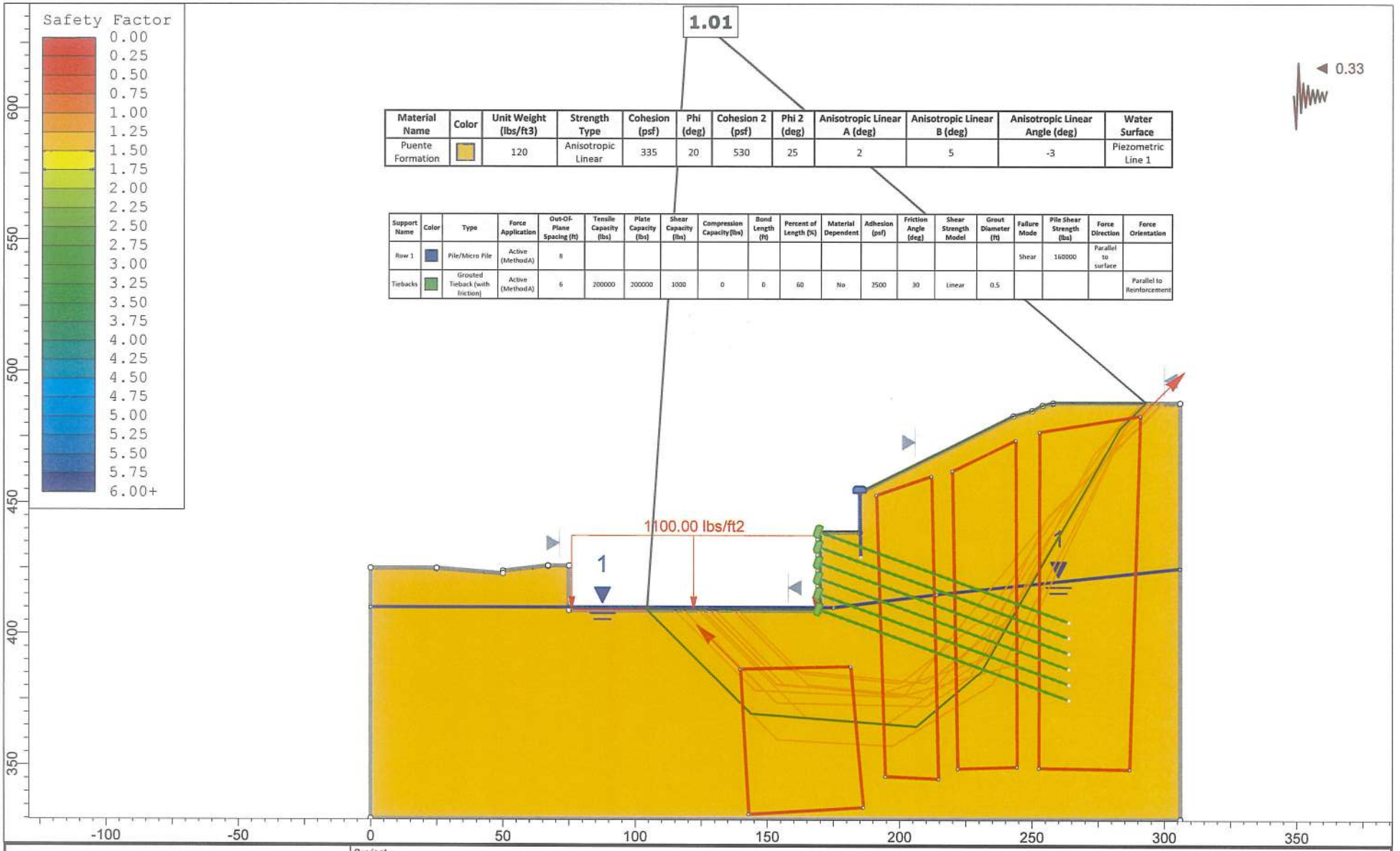
SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section B-B', Lower Slope, Proposed Tiebacks		
Scale	1:600	Comment 1	Block Static
Date	9/5/2023	Location of Analysis	Proposed Tiebacks



Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (MethodA)	8												Shear	160000	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (MethodA)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC.
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SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section B-B', Lower Slope, Proposed Tiebacks		
Scale	1:600	*Comment 1*	Block PStatic
Date	9/5/2023	*Location of Analysis*	Proposed Tiebacks

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Slide Analysis Information

20489 BB upd9-2-23 lower tiebacks

Project Summary

File Name:	20489 BB upd9-2-23 lower tiebacks.slmd
Slide Modeler Version:	9.012
Project Title:	File No 20489
Analysis:	Cross Section B-B'. Lower Slooe, Tiebacks
Author:	RTK
Company:	Geotechnologies, inc.
Date Created:	5/9/2017, 8:44:53 PM

Currently Open Scenarios

Group Name	Scenario Name	Global Minimum	Compute Time
Block	Block Static	Bishop Simplified: 1.644630 Janbu Simplified: 1.542880	00h:00m:01.153s
	Block Pstatic	Bishop Simplified: 1.113180 Janbu Simplified: 1.012540	00h:00m:01.124s
	Curved Static	Bishop Simplified: 1.961330 Janbu Simplified: 1.643690	00h:00m:00.368s
	Curved PStatic	Bishop Simplified: 1.352350 Janbu Simplified: 1.017860	00h:00m:00.360s

General Settings

Units of Measurement:	Imperial Units
Time Units:	days
Permeability Units:	feet/second
Data Output:	Standard
Failure Direction:	Right to Left

Analysis Options

All Open Scenarios

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	74
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

Groundwater Analysis

All Open Scenarios

Groundwater Method:	Water Surfaces
Pore Fluid Unit Weight [lbs/ft3]:	62.4
Use negative pore pressure cutoff:	Yes
Maximum negative pore pressure [psf]:	0
Advanced Groundwater Method:	None

Random Numbers

All Open Scenarios

Pseudo-random Seed:	10116
Random Number Generation Method:	Park and Miller v.3

Surface Options

Block - Curved Static

Surface Type:	Circular
Search Method:	Grid Search
Radius Increment:	10
Composite Surfaces:	Disabled
Reverse Curvature:	Invalid Surfaces
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

All other Scenarios

Surface Type:	Non-Circular Block Search
Number of Surfaces:	8000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Seismic Loading

Block - Block Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Block Pstatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Block - Curved Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Curved PStatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Loading

Block - Block Pstatic

Distribution:	Constant
Magnitude [psf]:	1100
Orientation:	Normal to boundary

Block - Curved PStatic

Distribution:	Constant
Magnitude [psf]:	1100
Orientation:	Normal to boundary

Materials

Puente Formation	
Color	
Strength Type	Anisotropic Linear
Unit Weight [lbs/ft3]	120
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	2
B [deg]	5
Anisotropic Definition	Angle
Angle from 1 [deg]	-3
Anisotropic Surface	
Water Surface	Assigned per scenario
Hu Value	Automatically Calculated

Materials In Use

Material	Block Static	Block Pstatic	Curved Static	Curved PStatic
Puente Formation	✓	✓	✓	✓

Support

Row 1	
Color	
Support Type	Pile/Micro Pile
Force Application	Active
Out-of-Plane Spacing [ft]	8
Failure Mode	Shear
Pile Shear Strength [lb]	160000
Force Direction	Parallel to surface

Tiebacks	
Color	
Support Type	Grouted Tieback (with friction)
Force Application	Active
Force Orientation	Parallel to Reinforcement
Bond Length [percent]	60
Out-of-Plane Spacing [ft]	6
Tensile Capacity [lb]	200000
Plate Capacity [lb]	200000
Pullout Strength Adhesion [psf]	2500
Pullout Strength Friction Angle [degrees]	30
Material Dependent	No
Shear Strength Model	Linear
Use External Loads for Strength	yes
Shear Capacity [lb]	1000
Grout Diameter [ft]	0.5

Global Minimums

Block - Block Static

Method: bishop simplified

FS	1.644630
Axis Location:	121.797, 610.724
Left Slip Surface Endpoint:	119.686, 409.000
Right Slip Surface Endpoint:	281.909, 488.000
Resisting Moment:	1.14166e+08 lb-ft
Driving Moment:	6.9417e+07 lb-ft
Active Support Moment:	-3.19e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	7702.3 ft2
Surface Horizontal Width:	162.224 ft
Surface Average Height:	47.4796 ft

Method: janbu simplified

FS	1.542880
Axis Location:	121.589, 599.231
Left Slip Surface Endpoint:	125.223, 409.000
Right Slip Surface Endpoint:	275.954, 488.000
Resisting Horizontal Force:	347131 lb
Driving Horizontal Force:	224989 lb
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	7566.63 ft2
Surface Horizontal Width:	150.731 ft
Surface Average Height:	50.1996 ft

Block - Block Pstatic

Method: bishop simplified

FS	1.113180
Axis Location:	119.776, 637.240
Left Slip Surface Endpoint:	104.406, 409.000
Right Slip Surface Endpoint:	293.146, 488.000
Resisting Moment:	1.51175e+08 lb-ft
Driving Moment:	1.35805e+08 lb-ft
Active Support Moment:	-3.68683e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	10117.3 ft2
Surface Horizontal Width:	188.74 ft
Surface Average Height:	53.6046 ft

Method: janbu simplified

FS	1.012540
Axis Location:	119.776, 637.240
Left Slip Surface Endpoint:	104.406, 409.000
Right Slip Surface Endpoint:	293.146, 488.000
Resisting Horizontal Force:	470171 lb
Driving Horizontal Force:	464349 lb
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	10117.3 ft2
Surface Horizontal Width:	188.74 ft
Surface Average Height:	53.6046 ft

Block - Curved Static

Method: bishop simplified

FS	1.961330
Center:	171.306, 494.878
Radius:	128.878
Left Slip Surface Endpoint:	75.211, 409.000
Right Slip Surface Endpoint:	300.000, 488.000
Resisting Moment:	9.92559e+07 lb-ft
Driving Moment:	5.06064e+07 lb-ft
Active Support Moment:	-9.46974e+06 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	130830 lb
Total Slice Area:	13198.2 ft2
Surface Horizontal Width:	224.789 ft
Surface Average Height:	58.7137 ft

Method: janbu simplified

FS	1.643690
Center:	171.306, 494.878
Radius:	128.878
Left Slip Surface Endpoint:	75.211, 409.000
Right Slip Surface Endpoint:	300.000, 488.000
Resisting Horizontal Force:	608785 lb
Driving Horizontal Force:	370378 lb
Active Horizontal Support Force:	-123282 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	130830 lb
Total Slice Area:	13198.2 ft2
Surface Horizontal Width:	224.789 ft
Surface Average Height:	58.7137 ft

Block - Curved PStatic

Method: bishop simplified

FS	1.352350
Center:	162.010, 497.369
Radius:	121.737
Left Slip Surface Endpoint:	78.280, 409.000
Right Slip Surface Endpoint:	283.386, 488.000
Resisting Moment:	8.00365e+07 lb-ft
Driving Moment:	5.91833e+07 lb-ft
Active Support Moment:	-1.32857e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	9870.6 ft2
Surface Horizontal Width:	205.106 ft
Surface Average Height:	48.1244 ft

Method: janbu simplified

FS	1.017860
Center:	168.282, 489.519
Radius:	115.114
Left Slip Surface Endpoint:	86.015, 409.000
Right Slip Surface Endpoint:	283.386, 488.000
Resisting Horizontal Force:	526609 lb
Driving Horizontal Force:	517369 lb
Active Horizontal Support Force:	-182813 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	194181 lb
Total Slice Area:	10132.9 ft2
Surface Horizontal Width:	197.371 ft
Surface Average Height:	51.3396 ft

Global Minimum Coordinates

Block - Block Static

Method: bishop simplified

X	Y
119.686	409
168.539	360.146
209.328	381.107
221.965	394.064
261.697	467.787
281.909	488

Method: janbu simplified

X	Y
125.223	409
169.847	364.376
196.132	361.873
220.946	392.416
267.33	479.376
275.954	488

Block - Block Pstatic

Method: bishop simplified

X	Y
104.406	409
143.84	369.566
206.418	364.785
230.86	385.616
283.364	478.219
293.146	488

Method: janbu simplified

X	Y
104.406	409
143.84	369.566
206.418	364.785
230.86	385.616
283.364	478.219
293.146	488

Global Minimum Support Data

Block - Block Static

Method: bishop simplified

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
185.143, 454.31	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
170, 439	100	67.7765	32.2235	27.7765	32.2235	33333.3
170, 433.138	100	64.9659	35.0341	24.9659	35.0341	33333.3
170, 427.276	100	62.1554	37.8446	22.1554	37.8446	33333.3
170, 421.415	100	59.3449	40.6551	19.3449	40.6551	33333.3
170, 415.553	100	56.5343	43.4657	16.5343	43.4657	33333.3
170, 409.691	100	52.7822	47.2178	12.7822	47.2178	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
185.143, 454.31	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
170, 439	100	67.5447	32.4553	27.5447	32.4553	33333.3
170, 433.138	100	64.7583	35.2417	24.7583	35.2417	33333.3
170, 427.276	100	61.972	38.028	21.972	38.028	33333.3
170, 421.415	100	59.1856	40.8144	19.1856	40.8144	33333.3
170, 415.553	100	56.3992	43.6008	16.3992	43.6008	33333.3
170, 409.691	100	53.3695	46.6305	13.3695	46.6305	33333.3

Block - Block Pstatic

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
184.87, 454.178	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.629	100	80.2016	19.7984	40.2016	19.7984	33333.3
170, 432.703	100	77.2377	22.7623	37.2377	22.7623	33333.3
170, 426.777	100	74.2739	25.7261	34.2739	25.7261	33333.3
170, 420.852	100	71.31	28.69	31.31	28.69	33333.3
170, 414.926	100	68.3462	31.6538	28.3462	31.6538	33333.3
170, 409	100	65.3824	34.6176	25.3824	34.6176	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
184.87, 454.178	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.629	100	80.2016	19.7984	40.2016	19.7984	33333.3
170, 432.703	100	77.2377	22.7623	37.2377	22.7623	33333.3
170, 426.777	100	74.2739	25.7261	34.2739	25.7261	33333.3
170, 420.852	100	71.31	28.69	31.31	28.69	33333.3
170, 414.926	100	68.3462	31.6538	28.3462	31.6538	33333.3
170, 409	100	65.3824	34.6176	25.3824	34.6176	33333.3

Block - Curved Static

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.222, 454.029	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 439	100	99.5957	0.404282	59.5957	0.404282	814.961
170, 433.234	100	95.0351	4.96491	55.0351	4.96491	10244.6
170, 427.468	100	90.1428	9.85722	50.1428	9.85722	20765.7
170, 421.701	100	84.8951	15.1049	44.8951	15.1049	32338
170, 415.935	100	79.266	20.734	39.266	20.734	33333.3
170, 410.169	100	73.2259	26.7741	33.2259	26.7741	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.222, 454.029	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 439	100	99.5957	0.404282	59.5957	0.404282	814.961
170, 433.234	100	95.0351	4.96491	55.0351	4.96491	10244.6
170, 427.468	100	90.1428	9.85722	50.1428	9.85722	20765.7
170, 421.701	100	84.8951	15.1049	44.8951	15.1049	32338
170, 415.935	100	79.266	20.734	39.266	20.734	33333.3
170, 410.169	100	73.2259	26.7741	33.2259	26.7741	33333.3

Block - Curved PStatic

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.111, 453.673	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.984	100	82.5261	17.4739	42.5261	17.4739	33333.3
170, 433.115	100	77.7324	22.2676	37.7324	22.2676	33333.3
170, 427.245	100	72.5541	27.4459	32.5541	27.4459	33333.3
170, 421.375	100	66.983	33.017	26.983	33.017	33333.3
170, 415.505	100	60.9926	39.0074	20.9926	39.0074	33333.3
170, 409.636	100	54.4703	45.5297	14.4703	45.5297	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.111, 453.673	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.984	100	86.198	13.802	46.198	13.802	27514.5
170, 433.115	100	81.5491	18.4509	41.5491	18.4509	33333.3
170, 427.245	100	76.5289	23.4711	36.5289	23.4711	33333.3
170, 421.375	100	71.1151	28.8849	31.1151	28.8849	33333.3
170, 415.505	100	65.2186	34.7814	25.2186	34.7814	33333.3
170, 409.636	100	58.818	41.182	18.818	41.182	33333.3

Valid and Invalid Surfaces

Block - Block Static

Method: bishop simplified

Number of Valid Surfaces:	4486
Number of Invalid Surfaces:	3514
Error Codes	
Error Code -105 reported for 55 surfaces	
Error Code -108 reported for 18 surfaces	
Error Code -111 reported for 3377 surfaces	
Error Code -112 reported for 64 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	1634
Number of Invalid Surfaces:	6366
Error Codes	
Error Code -105 reported for 55 surfaces	
Error Code -108 reported for 9 surfaces	
Error Code -111 reported for 6296 surfaces	
Error Code -112 reported for 6 surfaces	

Block - Block Pstatic

Method: bishop simplified

Number of Valid Surfaces:	4945
Number of Invalid Surfaces:	3055
Error Codes	
Error Code -105 reported for 49 surfaces	
Error Code -108 reported for 8 surfaces	
Error Code -111 reported for 2930 surfaces	
Error Code -112 reported for 68 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	4205
Number of Invalid Surfaces:	3795
Error Codes	
Error Code -105 reported for 49 surfaces	
Error Code -108 reported for 3 surfaces	
Error Code -111 reported for 3735 surfaces	
Error Code -112 reported for 8 surfaces	

Block - Curved Static

Method: bishop simplified

Number of Valid Surfaces:	3302
Number of Invalid Surfaces:	10369

Error Codes

Error Code -107 reported for 44 surfaces
Error Code -108 reported for 3 surfaces
Error Code -112 reported for 18 surfaces
Error Code -114 reported for 413 surfaces
Error Code -1000 reported for 9891 surfaces

Method: janbu simplified

Number of Valid Surfaces:	3320
Number of Invalid Surfaces:	10351

Error Codes

Error Code -107 reported for 44 surfaces
Error Code -108 reported for 2 surfaces
Error Code -112 reported for 1 surface
Error Code -114 reported for 413 surfaces
Error Code -1000 reported for 9891 surfaces

Block - Curved PStatic

Method: bishop simplified

Number of Valid Surfaces:	2060
Number of Invalid Surfaces:	11611

Error Codes

Error Code -112 reported for 5 surfaces
Error Code -114 reported for 392 surfaces
Error Code -1000 reported for 11214 surfaces

Method: janbu simplified

Number of Valid Surfaces:	2065
Number of Invalid Surfaces:	11606

Error Codes

Error Code -114 reported for 392 surfaces
Error Code -1000 reported for 11214 surfaces

Error Code Descriptions

The following errors were encountered during the computation:
-105 = More than two surface / slope intersections with no valid slip surface.
-107 = Total driving moment or total driving force is negative. This will occur if the wrong failure direction is specified, or if high external or anchor loads are applied against the failure direction.
-108 = Total driving moment or total driving force < 0.1. This is to limit the calculation of extremely high safety factors if the driving force is very small (0.1 is an arbitrary number).
-111 = Safety factor equation did not converge
-112 = The coefficient M-Alpha = cos(alpha)(1+tan(alpha)tan(phi)/F) < 0.2 for the final iteration of the safety factor calculation. This screens out some slip surfaces which may not be valid in the context of the analysis, in particular, deep seated slip surfaces with many high negative base angle slices in the passive zone.
-114 = Surface with Reverse Curvature.
-1000 = No valid slip surface is generated

Slice Data

Block - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.64463

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.25692	636.452	-45	Puente Formation	530	25	462.62	760.839	659.047	164.011	495.036	196.427	32.4161
2	3.25692	1909.36	-45	Puente Formation	530	25	536.924	883.042	1124.34	367.243	757.101	587.42	220.177
3	3.25692	3182.26	-45	Puente Formation	530	25	611.229	1005.25	1589.64	570.475	1019.17	978.413	407.938
4	3.25692	4455.17	-45	Puente Formation	530	25	685.533	1127.45	2054.94	773.707	1281.23	1369.41	595.698
5	3.25692	5728.07	-45	Puente Formation	530	25	759.837	1249.65	2520.24	976.939	1543.31	1760.41	783.468
6	3.25692	7000.97	-45	Puente Formation	530	25	834.141	1371.85	2985.53	1180.17	1805.36	2151.39	971.219
7	3.25692	8273.88	-45	Puente Formation	530	25	908.446	1494.06	3450.84	1383.4	2067.44	2542.39	1158.99
8	3.25692	9546.78	-45	Puente Formation	530	25	982.75	1616.26	3916.12	1586.63	2329.49	2933.37	1346.74
9	3.25692	10819.7	-45	Puente Formation	530	25	1057.05	1738.46	4381.43	1789.87	2591.56	3324.38	1534.51
10	3.25692	12092.6	-45	Puente Formation	530	25	1131.36	1860.67	4846.72	1993.1	2853.62	3715.36	1722.26
11	3.25692	13365.5	-45	Puente Formation	530	25	1205.66	1982.87	5312.03	2196.33	3115.7	4106.36	1910.03
12	3.25692	14638.4	-45	Puente Formation	530	25	1279.97	2105.07	5777.31	2399.56	3377.75	4497.35	2097.79
13	3.25692	15911.3	-45	Puente Formation	530	25	1354.27	2227.28	6242.62	2602.79	3639.83	4888.35	2285.56
14	3.25692	17184.2	-45	Puente Formation	530	25	1428.58	2349.48	6707.91	2806.03	3901.88	5279.33	2473.3
15	3.25692	18457.1	-45	Puente Formation	530	25	1502.88	2471.68	7173.21	3009.26	4163.95	5670.34	2661.08
16	3.13761	24128	27.198	Puente Formation	530	25	1426.53	2346.11	6955.25	3060.57	3894.68	7688.32	4627.75
17	3.13761	28778.9	27.198	Puente Formation	530	25	1818.16	2990.2	8235.87	2959.96	5275.91	9170.2	6210.24
18	3.13761	28171.8	27.198	Puente Formation	530	25	1803.93	2966.79	8049.71	2823.99	5225.72	8976.72	6152.73
19	3.13761	27564.7	27.198	Puente Formation	530	25	1774.44	2918.29	7871.41	2749.7	5121.71	8783.26	6033.56
20	3.13761	26957.6	27.198	Puente Formation	530	25	1744.95	2869.79	7693.1	2675.41	5017.69	8589.8	5914.39
21	3.13761	30775.6	27.198	Puente Formation	530	25	2064.38	3395.14	8745.42	2601.12	6144.3	9806.27	7205.15
22	3.13761	32131.8	27.198	Puente Formation	530	25	2189.7	3601.24	9113.14	2526.83	6586.31	10238.4	7711.56
23	3.13761	32115.4	27.198	Puente Formation	530	25	2206.78	3629.34	9099.11	2452.54	6646.57	10233.1	7780.6
24	3.13761	32099	27.198	Puente Formation	530	25	2223.87	3657.44	9085.07	2378.25	6706.82	10227.9	7849.64
25	3.13761	32082.6	27.198	Puente Formation	530	25	2240.95	3685.54	9071.04	2303.96	6767.08	10222.6	7918.68
26	3.13761	32066.1	27.198	Puente Formation	530	25	2258.04	3713.64	9057.01	2229.67	6827.34	10217.4	7987.72
27	3.13761	32049.7	27.198	Puente Formation	530	25	2275.13	3741.74	9042.98	2155.38	6887.6	10212.1	8056.75
28	3.13761	32033.3	27.198	Puente Formation	530	25	2292.21	3769.84	9028.97	2081.09	6947.88	10206.9	8125.82
29	3.15906	31929.4	45.7183	Puente Formation	530	25	2039.04	3353.47	8011.88	1956.95	6054.93	10102.7	8145.75

30	3.15906	31300.3	45.7183	Puente Formation	530	25	2031.74	3341.46	7820.22	1791.01	6029.21	9903.55	8112.54
31	3.15906	30671.1	45.7183	Puente Formation	530	25	2027.22	3334.03	7625.69	1612.42	6013.27	9704.38	8091.96
32	3.15906	30041.9	45.7183	Puente Formation	530	25	2804.19	4611.86	10187.4	1433.83	8753.58	13062.8	11629
33	3.12018	28569.7	61.6783	Puente Formation	530	25	2361.5	3883.79	8368.69	1176.46	7192.23	12750.5	11574
34	3.12018	26986.1	61.6783	Puente Formation	530	25	2329.68	3831.46	7920.33	840.33	7080	12243.1	11402.8
35	3.12018	25402.5	61.6783	Puente Formation	530	25	2966.87	4879.41	9831.53	504.196	9327.33	15336.6	14832.4
36	3.12018	23818.9	61.6783	Puente Formation	530	25	2266.04	3726.79	7023.6	168.062	6855.54	11228.3	11060.2
37	3.4064	24195.6	61.6783	Puente Formation	530	25	1529.68	2515.75	4258.45	0	4258.45	7096.79	7096.79
38	3.4064	22308.2	61.6783	Puente Formation	530	25	1426.81	2346.57	3895.66	0	3895.66	6543.12	6543.12
39	3.4064	20385.1	61.6783	Puente Formation	530	25	1322	2174.2	3526	0	3526	5978.99	5978.99
40	3.4064	18238.3	61.6783	Puente Formation	530	25	1205	1981.78	3113.34	0	3113.34	5349.24	5349.24
41	3.4064	16080.5	61.6783	Puente Formation	530	25	1087.4	1788.37	2698.58	0	2698.58	4716.27	4716.27
42	3.4064	14133.5	61.6783	Puente Formation	530	25	981.285	1613.85	2324.33	0	2324.33	4145.12	4145.12
43	3.4064	11992.1	61.6783	Puente Formation	530	25	864.581	1421.92	1912.72	0	1912.72	3516.96	3516.96
44	3.4064	9554.12	61.6783	Puente Formation	530	25	731.709	1203.39	1444.09	0	1444.09	2801.79	2801.79
45	3.36878	7490.13	45	Puente Formation	530	25	741.865	1220.09	1479.91	0	1479.91	2221.77	2221.77
46	3.36878	6128.29	45	Puente Formation	530	25	652.608	1073.3	1165.11	0	1165.11	1817.71	1817.71
47	3.36878	4766.44	45	Puente Formation	530	25	563.351	926.504	850.305	0	850.305	1413.66	1413.66
48	3.36878	3404.6	45	Puente Formation	530	25	474.094	779.709	535.503	0	535.503	1009.6	1009.6
49	3.36878	2042.76	45	Puente Formation	530	25	384.837	632.915	220.701	0	220.701	605.539	605.539
50	3.36878	680.921	45	Puente Formation	530	25	295.581	486.121	-94.0996	0	-94.0996	201.481	201.481

Global Minimum Query (janbu simplified) - Safety Factor: 1.54288

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.97493	531.013	-45	Puente Formation	530	25	502.337	775.045	680.714	155.213	525.501	178.377	23.1642
2	2.97493	1593.04	-45	Puente Formation	530	25	576.55	889.548	1111.9	340.849	771.053	535.352	194.503
3	2.97493	2655.06	-45	Puente Formation	530	25	650.764	1004.05	1543.09	526.485	1016.61	892.326	365.841
4	2.97493	3717.09	-45	Puente Formation	530	25	724.978	1118.55	1974.28	712.12	1262.16	1249.3	537.181
5	2.97493	4779.11	-45	Puente Formation	530	25	799.192	1233.06	2405.46	897.756	1507.7	1606.26	708.507
6	2.97493	5841.14	-45	Puente Formation	530	25	873.406	1347.56	2836.65	1083.39	1753.26	1963.24	879.85
7	2.97493	6903.16	-45	Puente Formation	530	25	947.619	1462.06	3267.84	1269.03	1998.81	2320.22	1051.19
8	2.97493	7965.19	-45	Puente Formation	530	25	1021.84	1576.57	3699.03	1454.66	2244.37	2677.19	1222.53
9	2.97493	9027.22	-45	Puente Formation	530	25	1096.05	1691.07	4130.22	1640.3	2489.92	3034.17	1393.87
10	2.97493	10089.2	-45	Puente Formation	530	25	1170.26	1805.57	4561.41	1825.93	2735.48	3391.15	1565.22
11	2.97493	11151.3	-45	Puente Formation	530	25	1244.47	1920.07	4992.6	2011.57	2981.03	3748.13	1736.56
12	2.97493	12213.3	-45	Puente Formation	530	25	1318.69	2034.58	5423.79	2197.21	3226.58	4105.1	1907.89
13	2.97493	13275.3	-45	Puente Formation	530	25	1392.9	2149.08	5854.98	2382.84	3472.14	4462.08	2079.24
14	2.97493	14337.3	-45	Puente Formation	530	25	1467.11	2263.58	6286.15	2568.48	3717.67	4819.03	2250.55
15	2.97493	15399.4	-45	Puente Formation	530	25	1541.33	2378.09	6717.34	2754.11	3963.23	5176.01	2421.9
16	2.92047	25651.7	-5.43978	Puente Formation	363.586	20.7553	1732.19	2672.57	8948.35	2855.61	6092.74	8783.4	5927.79
17	2.92047	26298.6	-5.43978	Puente Formation	363.586	20.7553	1783.54	2751.79	9174.73	2872.96	6301.77	9004.88	6131.92
18	2.92047	26396.1	-5.43978	Puente Formation	363.586	20.7553	1795.07	2769.58	9209.22	2860.49	6348.73	9038.28	6177.79
19	2.92047	26493.5	-5.43978	Puente Formation	363.586	20.7553	1793.38	2766.98	9242.42	2900.55	6341.87	9071.64	6171.09
20	2.92047	26591	-5.43978	Puente Formation	363.586	20.7553	1791.71	2764.39	9275.62	2940.61	6335.01	9105	6164.39
21	2.92047	31123.4	-5.43978	Puente Formation	363.586	20.7553	2171.95	3351.06	10863.8	2980.67	7883.09	10656.9	7676.26
22	2.92047	32714	-5.43978	Puente Formation	363.586	20.7553	2298.86	3546.87	11420.5	3020.73	8399.78	11201.6	8180.86
23	2.92047	33323.2	-5.43978	Puente Formation	363.586	20.7553	2341.25	3612.27	11633.1	3060.78	8572.36	11410.2	8349.41
24	2.92047	33932.4	-5.43978	Puente Formation	363.586	20.7553	2383.64	3677.67	11845.8	3100.84	8744.93	11618.8	8517.94
25	3.10181	35941.1	50.9084	Puente Formation	530	25	2138.62	3299.63	8955.36	3015.89	5939.47	11587.7	8571.83
26	3.10181	35097.2	50.9084	Puente Formation	530	25	2124.94	3278.53	8700.16	2805.91	5894.25	11315.7	8509.77
27	3.10181	34253.4	50.9084	Puente Formation	530	25	2111.27	3257.43	8444.95	2595.94	5849.01	11043.6	8447.7
28	3.10181	33409.6	50.9084	Puente Formation	530	25	2097.6	3236.34	8189.72	2385.97	5803.75	10771.6	8385.62
29	3.10181	32565.8	50.9084	Puente Formation	530	25	2083.92	3215.24	7934.51	2176	5758.51	10499.5	8323.55
30	3.10181	31721.9	50.9084	Puente Formation	530	25	2070.25	3194.14	7679.29	1966.02	5713.27	10227.5	8261.47
31	3.10181	30878.1	50.9084	Puente Formation	530	25	2055.42	3171.26	7425.5	1761.31	5664.19	9955.45	8194.14
32	3.10181	30034.3	50.9084	Puente Formation	530	25	2841.36	4383.87	9811.29	1546.65	8264.64	13308.6	11762
33	3.30372	30639.6	61.9247	Puente Formation	530	25	2422.3	3737.32	8137.53	1259.4	6878.13	12678.8	11419.4

34	3.30372	28839	61.9247	Puente Formation	530	25	2386.57	3682.19	7659.47	899.57	6759.9	12133.8	11234.2
35	3.30372	27038.4	61.9247	Puente Formation	530	25	3007.49	4640.2	9354.09	539.74	8814.35	14992.5	14452.7
36	3.30372	25237.8	61.9247	Puente Formation	530	25	2315.11	3571.94	6703.36	179.91	6523.45	11043.7	10863.8
37	3.01535	21463.1	61.9247	Puente Formation	530	25	1592.61	2457.2	4132.89	0	4132.89	7118.67	7118.67
38	3.01535	19963.1	61.9247	Puente Formation	530	25	1496.63	2309.12	3815.33	0	3815.33	6621.18	6621.18
39	3.01535	18462.6	61.9247	Puente Formation	530	25	1400.61	2160.98	3497.65	0	3497.65	6123.49	6123.49
40	3.01535	16830.2	61.9247	Puente Formation	530	25	1296.17	1999.83	3152.06	0	3152.06	5582.08	5582.08
41	3.01535	15096.4	61.9247	Puente Formation	530	25	1185.23	1828.67	2785.01	0	2785.01	5007.05	5007.05
42	3.01535	13427.9	61.9247	Puente Formation	530	25	1078.47	1663.95	2431.77	0	2431.77	4453.66	4453.66
43	3.01535	11896.3	61.9247	Puente Formation	530	25	980.472	1512.75	2107.52	0	2107.52	3945.68	3945.68
44	3.01535	10168.1	61.9247	Puente Formation	530	25	869.895	1342.14	1741.65	0	1741.65	3372.51	3372.51
45	3.01535	8234.51	61.9247	Puente Formation	530	25	746.173	1151.26	1332.29	0	1332.29	2731.19	2731.19
46	3.01535	6188.98	61.9247	Puente Formation	530	25	615.29	949.319	899.232	0	899.232	2052.76	2052.76
47	3.01535	4143.45	61.9247	Puente Formation	530	25	484.407	747.382	466.178	0	466.178	1374.33	1374.33
48	2.87482	2479.37	45	Puente Formation	530	25	463.976	715.86	398.578	0	398.578	862.554	862.554
49	2.87482	1487.62	45	Puente Formation	530	25	383.907	592.322	133.65	0	133.65	517.557	517.557
50	2.87482	495.875	45	Puente Formation	530	25	303.837	468.785	-131.277	0	-131.277	172.561	172.561

Block - Block Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.11318

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.94343	933.037	-45	Puente Formation	530	25	1653.22	1840.33	2995.44	185.43	2810.01	1342.22	1156.79
2	3.94343	2799.11	-45	Puente Formation	530	25	1817.36	2023.05	3633.34	431.5	3201.84	1815.98	1384.48
3	3.94343	4665.19	-45	Puente Formation	530	25	1981.49	2205.76	4271.27	677.57	3593.7	2289.77	1612.2
4	3.94343	6531.26	-45	Puente Formation	530	25	2145.64	2388.48	4909.17	923.64	3985.53	2763.53	1839.89
5	3.94343	8397.33	-45	Puente Formation	530	25	2309.78	2571.2	5547.08	1169.71	4377.37	3237.3	2067.59
6	3.94343	10263.4	-45	Puente Formation	530	25	2473.92	2753.92	6184.98	1415.78	4769.2	3711.06	2295.28
7	3.94343	12129.5	-45	Puente Formation	530	25	2638.06	2936.64	6822.9	1661.85	5161.05	4184.84	2522.99
8	3.94343	13995.6	-45	Puente Formation	530	25	2802.2	3119.35	7460.81	1907.92	5552.89	4658.61	2750.69
9	3.94343	15861.6	-45	Puente Formation	530	25	2966.34	3302.07	8098.71	2153.99	5944.72	5132.37	2978.38
10	3.94343	17727.7	-45	Puente Formation	530	25	3130.48	3484.79	8736.62	2400.06	6336.56	5606.14	3206.08
11	3.68106	17481.3	-4.36879	Puente Formation	335	20	1421.14	1581.98	5957.92	2531.87	3426.05	5849.35	3317.48
12	3.68106	17605.5	-4.36879	Puente Formation	335	20	1426.57	1588.03	5992.08	2549.42	3442.66	5883.09	3333.67
13	3.68106	17729.8	-4.36879	Puente Formation	335	20	1432.01	1594.08	6026.26	2566.97	3459.29	5916.86	3349.89
14	3.68106	17854	-4.36879	Puente Formation	335	20	1437.44	1600.13	6060.42	2584.51	3475.91	5950.6	3366.09
15	3.68106	17978.2	-4.36879	Puente Formation	335	20	1442.87	1606.17	6094.58	2602.06	3492.52	5984.34	3382.28
16	3.68106	18102.4	-4.36879	Puente Formation	335	20	1448.3	1612.22	6128.73	2619.61	3509.12	6018.09	3398.48
17	3.68106	18226.7	-4.36879	Puente Formation	335	20	1309.93	1458.19	5723.1	2637.16	3085.94	5623.03	2985.87
18	3.68106	30190.3	-4.36879	Puente Formation	335	20	2168.9	2414.38	8367.78	2654.71	5713.07	8202.08	5547.37
19	3.68106	31726.9	-4.36879	Puente Formation	335	20	2317.17	2579.43	8796.6	2630.06	6166.54	8619.57	5989.51
20	3.68106	31851.2	-4.36879	Puente Formation	335	20	2312.99	2574.77	8830.02	2676.3	6153.72	8653.32	5977.02
21	3.68106	31975.4	-4.36879	Puente Formation	335	20	2308.8	2570.11	8863.45	2722.53	6140.92	8687.06	5964.53
22	3.68106	37795.3	-4.36879	Puente Formation	335	20	2823.52	3143.09	10483.9	2768.77	7715.17	10268.2	7499.46
23	3.68106	39921.7	-4.36879	Puente Formation	335	20	3001.75	3341.49	11075.3	2815.01	8260.27	10845.9	8030.94
24	3.68106	40859	-4.36879	Puente Formation	335	20	3071.63	3419.28	11335.2	2861.25	8473.98	11100.6	8239.32
25	3.68106	41796.2	-4.36879	Puente Formation	335	20	3141.51	3497.07	11595.2	2907.48	8687.73	11355.2	8447.73
26	3.68106	42733.4	-4.36879	Puente Formation	335	20	3211.39	3574.86	11855.2	2953.72	8901.45	11609.8	8656.11
27	3.68106	43670.7	-4.36879	Puente Formation	335	20	3281.28	3652.65	12115.2	2999.96	9115.19	11864.5	8864.51
28	4.07364	48495.8	40.4405	Puente Formation	530	25	3117.71	3470.57	9238.6	2932.53	6306.07	11895.8	8963.25
29	4.07364	47794.3	40.4405	Puente Formation	530	25	3120.44	3473.61	9064.05	2751.45	6312.6	11723.6	8972.11
30	4.07364	47092.8	40.4405	Puente Formation	530	25	3120.52	3473.7	8891.77	2578.98	6312.79	11551.3	8972.37
31	4.07364	46391.3	40.4405	Puente Formation	530	25	3125.02	3478.71	8715.7	2392.17	6323.53	11379.1	8986.94
32	4.07364	45689.8	40.4405	Puente Formation	530	25	3129.53	3483.73	8539.65	2205.36	6334.29	11206.9	9001.55

33	4.07364	44988.2	40.4405	Puente Formation	530	25	3134.03	3488.74	8363.58	2018.55	6345.03	11034.7	9016.12
34	3.77234	40256.9	60.4473	Puente Formation	530	25	3857.88	4294.51	9805.66	1732.63	8073.03	16609.8	14877.2
35	3.77234	38098.9	60.4473	Puente Formation	530	25	3095.85	3446.24	7601.5	1347.6	6253.9	13061.7	11714.1
36	3.77234	35941	60.4473	Puente Formation	530	25	3050.86	3396.16	7109.06	962.571	6146.49	12489.9	11527.3
37	3.77234	33671.1	60.4473	Puente Formation	530	25	3715.77	4136.32	8311.33	577.541	7733.79	14864.9	14287.3
38	3.77234	31155.9	60.4473	Puente Formation	530	25	2213.93	2464.5	4341.07	192.511	4148.56	8245.79	8053.28
39	3.73807	28537.2	60.4473	Puente Formation	530	25	2109.93	2348.73	3900.27	0	3900.27	7621.57	7621.57
40	3.73807	26263.9	60.4473	Puente Formation	530	25	1963.63	2185.87	3551.02	0	3551.02	7014.29	7014.29
41	3.73807	23600.8	60.4473	Puente Formation	530	25	1792.24	1995.09	3141.9	0	3141.9	6302.89	6302.89
42	3.73807	20653.1	60.4473	Puente Formation	530	25	1602.54	1783.92	2689.03	0	2689.03	5515.45	5515.45
43	3.73807	17695.7	60.4473	Puente Formation	530	25	1412.22	1572.06	2234.7	0	2234.7	4725.45	4725.45
44	3.73807	14738.4	60.4473	Puente Formation	530	25	1221.9	1360.2	1780.37	0	1780.37	3935.46	3935.46
45	3.73807	11781	60.4473	Puente Formation	530	25	1031.59	1148.34	1326.03	0	1326.03	3145.44	3145.44
46	3.73807	8823.67	60.4473	Puente Formation	530	25	841.266	936.48	871.699	0	871.699	2355.44	2355.44
47	3.73807	5866.31	60.4473	Puente Formation	530	25	650.946	724.62	417.364	0	417.364	1565.44	1565.44
48	3.26047	3189.2	45	Puente Formation	530	25	623.701	694.291	352.322	0	352.322	976.023	976.023
49	3.26047	1913.52	45	Puente Formation	530	25	508.306	565.837	76.8518	0	76.8518	585.158	585.158
50	3.26047	637.841	45	Puente Formation	530	25	392.913	437.382	-198.619	0	-198.619	194.294	194.294

Global Minimum Query (janbu simplified) - Safety Factor: 1.01254

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.94343	933.037	-45	Puente Formation	530	25	1952.36	1976.84	3288.2	185.43	3102.77	1335.84	1150.41
2	3.94343	2799.11	-45	Puente Formation	530	25	2146.2	2173.11	3955.17	431.5	3523.67	1808.98	1377.48
3	3.94343	4665.19	-45	Puente Formation	530	25	2340.05	2369.39	4622.14	677.57	3944.57	2282.1	1604.53
4	3.94343	6531.26	-45	Puente Formation	530	25	2533.89	2565.66	5289.12	923.64	4365.48	2755.23	1831.59
5	3.94343	8397.33	-45	Puente Formation	530	25	2727.72	2761.93	5956.11	1169.71	4786.4	3228.38	2058.67
6	3.94343	10263.4	-45	Puente Formation	530	25	2921.56	2958.2	6623.08	1415.78	5207.3	3701.51	2285.73
7	3.94343	12129.5	-45	Puente Formation	530	25	3115.4	3154.47	7290.05	1661.85	5628.2	4174.65	2512.8
8	3.94343	13995.6	-45	Puente Formation	530	25	3309.24	3350.74	7957.02	1907.92	6049.1	4647.78	2739.86
9	3.94343	15861.6	-45	Puente Formation	530	25	3503.09	3547.02	8623.99	2153.99	6470	5120.9	2966.91
10	3.94343	17727.7	-45	Puente Formation	530	25	3696.93	3743.29	9290.98	2400.06	6890.92	5594.05	3193.99
11	3.68106	17481.3	-4.36879	Puente Formation	335	20	1566.23	1585.87	5968.59	2531.87	3436.72	5848.94	3317.07
12	3.68106	17605.5	-4.36879	Puente Formation	335	20	1572.21	1591.93	6002.81	2549.42	3453.39	5882.69	3333.27
13	3.68106	17729.8	-4.36879	Puente Formation	335	20	1578.2	1597.99	6037.02	2566.97	3470.05	5916.45	3349.48
14	3.68106	17854	-4.36879	Puente Formation	335	20	1584.18	1604.05	6071.2	2584.51	3486.69	5950.17	3365.66
15	3.68106	17978.2	-4.36879	Puente Formation	335	20	1590.18	1610.12	6105.41	2602.06	3503.35	5983.93	3381.87
16	3.68106	18102.4	-4.36879	Puente Formation	335	20	1596.16	1616.18	6139.62	2619.61	3520.01	6017.68	3398.07
17	3.68106	18226.7	-4.36879	Puente Formation	335	20	1443.67	1461.77	5732.94	2637.16	3095.78	5622.64	2985.48
18	3.68106	30190.3	-4.36879	Puente Formation	335	20	2390.34	2420.31	8384.06	2654.71	5729.35	8201.45	5546.74
19	3.68106	31726.9	-4.36879	Puente Formation	335	20	2553.74	2585.76	8813.99	2630.06	6183.93	8618.89	5988.83
20	3.68106	31851.2	-4.36879	Puente Formation	335	20	2549.12	2581.09	8847.39	2676.3	6171.09	8652.64	5976.34
21	3.68106	31975.4	-4.36879	Puente Formation	335	20	2544.51	2576.42	8880.79	2722.53	6158.26	8686.39	5963.86
22	3.68106	37795.3	-4.36879	Puente Formation	335	20	3111.79	3150.81	10505.1	2768.77	7736.38	10267.4	7498.64
23	3.68106	39921.7	-4.36879	Puente Formation	335	20	3308.21	3349.69	11097.8	2815.01	8282.8	10845.1	8030.06
24	3.68106	40859	-4.36879	Puente Formation	335	20	3385.22	3427.67	11358.3	2861.25	8497.03	11099.7	8238.41
25	3.68106	41796.2	-4.36879	Puente Formation	335	20	3462.23	3505.65	11618.8	2907.48	8711.3	11354.3	8446.79
26	3.68106	42733.4	-4.36879	Puente Formation	335	20	3539.26	3583.64	11879.3	2953.72	8925.56	11608.9	8655.17
27	3.68106	43670.7	-4.36879	Puente Formation	335	20	3616.27	3661.62	12139.8	2999.96	9139.81	11863.5	8863.54
28	4.07364	48495.8	40.4405	Puente Formation	530	25	3343.59	3385.52	9056.22	2932.53	6123.69	11905.9	8973.39
29	4.07364	47794.3	40.4405	Puente Formation	530	25	3346.53	3388.5	8881.51	2751.45	6130.06	11733.7	8982.27
30	4.07364	47092.8	40.4405	Puente Formation	530	25	3346.61	3388.58	8709.24	2578.98	6130.26	11561.5	8982.53
31	4.07364	46391.3	40.4405	Puente Formation	530	25	3351.44	3393.47	8532.91	2392.17	6140.74	11389.3	8997.13
32	4.07364	45689.8	40.4405	Puente Formation	530	25	3356.27	3398.36	8356.58	2205.36	6151.22	11217.1	9011.72
33	4.07364	44988.2	40.4405	Puente Formation	530	25	3361.1	3403.25	8180.26	2018.55	6161.71	11044.9	9026.34

34	3.77234	40256.9	60.4473	Puente Formation	530	25	4076.07	4127.18	9446.81	1732.63	7714.18	16635.8	14903.2
35	3.77234	38098.9	60.4473	Puente Formation	530	25	3270.94	3311.96	7313.53	1347.6	5965.93	13082.5	11734.9
36	3.77234	35941	60.4473	Puente Formation	530	25	3223.4	3263.82	6825.28	962.571	5862.7	12510.4	11547.8
37	3.77234	33671.1	60.4473	Puente Formation	530	25	3925.92	3975.15	7965.7	577.541	7388.15	14889.9	14312.3
38	3.77234	31155.9	60.4473	Puente Formation	530	25	2339.14	2368.47	4135.13	192.511	3942.62	8260.68	8068.17
39	3.73807	28537.2	60.4473	Puente Formation	530	25	2229.26	2257.21	3704.02	0	3704.02	7635.77	7635.77
40	3.73807	26263.9	60.4473	Puente Formation	530	25	2074.67	2100.69	3368.37	0	3368.37	7027.49	7027.49
41	3.73807	23600.8	60.4473	Puente Formation	530	25	1893.6	1917.35	2975.19	0	2975.19	6314.95	6314.95
42	3.73807	20653.1	60.4473	Puente Formation	530	25	1693.18	1714.41	2539.97	0	2539.97	5526.24	5526.24
43	3.73807	17695.7	60.4473	Puente Formation	530	25	1492.09	1510.8	2103.34	0	2103.34	4734.95	4734.95
44	3.73807	14738.4	60.4473	Puente Formation	530	25	1291.01	1307.2	1666.7	0	1666.7	3943.67	3943.67
45	3.73807	11781	60.4473	Puente Formation	530	25	1089.93	1103.59	1230.08	0	1230.08	3152.39	3152.39
46	3.73807	8823.67	60.4473	Puente Formation	530	25	888.844	899.99	793.446	0	793.446	2361.11	2361.11
47	3.73807	5866.31	60.4473	Puente Formation	530	25	687.76	696.385	356.814	0	356.814	1569.82	1569.82
48	3.26047	3189.2	45	Puente Formation	530	25	666.896	675.259	311.509	0	311.509	978.405	978.405
49	3.26047	1913.52	45	Puente Formation	530	25	543.51	550.326	43.5892	0	43.5892	587.1	587.1
50	3.26047	637.841	45	Puente Formation	530	25	420.125	425.393	-224.331	0	-224.331	195.794	195.794

Block - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.96133

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	4.49608	1289.55	-46.7546	Puente Formation	530	25	385.54	756.172	696.567	211.539	485.028	286.66	75.1205
2	4.49608	3746.62	-43.9084	Puente Formation	530	25	454.454	891.334	1270.6	495.715	774.884	833.141	337.426
3	4.49608	5975.68	-41.1928	Puente Formation	530	25	513.974	1008.07	1778.75	753.519	1025.23	1328.91	575.394
4	4.49608	8004.95	-38.5858	Puente Formation	530	25	565.878	1109.87	2231.77	988.218	1243.55	1780.26	792.042
5	4.49608	9856.19	-36.0706	Puente Formation	530	25	611.407	1199.17	2637.36	1202.33	1435.03	2192	989.668
6	4.49608	11546.6	-33.6336	Puente Formation	530	25	651.465	1277.74	3001.35	1397.83	1603.52	2567.97	1170.14
7	4.49608	13089.8	-31.2638	Puente Formation	530	25	686.729	1346.9	3328.17	1576.31	1751.86	2911.22	1334.91
8	4.49608	14497.2	-28.9523	Puente Formation	530	25	717.726	1407.7	3621.31	1739.09	1882.22	3224.25	1485.16
9	4.49608	15778	-26.6914	Puente Formation	530	25	744.871	1460.94	3883.63	1887.22	1996.41	3509.14	1621.92
10	4.49608	16939.9	-24.4745	Puente Formation	530	25	768.497	1507.28	4117.38	2021.6	2095.78	3767.57	1745.97
11	4.49608	17989.3	-22.2961	Puente Formation	530	25	788.878	1547.25	4324.47	2142.97	2181.5	4000.99	1858.02
12	4.49608	18931.7	-20.1512	Puente Formation	530	25	806.234	1581.29	4506.47	2251.97	2254.5	4210.61	1958.64
13	4.49608	19771.7	-18.0354	Puente Formation	530	25	820.754	1609.77	4664.69	2349.12	2315.57	4397.45	2048.33
14	4.49608	20513.2	-15.9448	Puente Formation	530	25	832.593	1632.99	4800.23	2434.87	2365.36	4562.35	2127.48
15	4.49608	21159.3	-13.8758	Puente Formation	530	25	841.888	1651.22	4914.07	2509.6	2404.47	4706.1	2196.5
16	4.49608	21712.9	-11.8252	Puente Formation	530	25	848.74	1664.66	5006.91	2573.63	2433.28	4829.21	2255.58
17	4.49608	22176.1	-9.78977	Puente Formation	530	25	853.258	1673.52	5079.49	2627.2	2452.29	4932.27	2305.07
18	4.49608	22550.8	-7.76679	Puente Formation	514.842	24.6245	837.214	1642.05	5129.81	2670.54	2459.27	5015.62	2345.08
19	4.49608	22838.4	-5.75353	Puente Formation	383.979	21.2896	681.438	1336.52	5148.26	2703.8	2444.46	5079.6	2375.8
20	4.49608	23040.1	-3.74738	Puente Formation	335	20	623.26	1222.42	5165.28	2727.13	2438.15	5124.46	2397.33
21	4.49608	23156.5	-1.74582	Puente Formation	335	20	621.507	1218.98	5169.3	2740.59	2428.71	5150.36	2409.77
22	4.49608	38036.1	0.253598	Puente Formation	416.484	22.1332	1396.34	2738.68	8453.65	2744.24	5709.41	8459.83	5715.59
23	4.49608	39320.9	2.25333	Puente Formation	530	25	1690.66	3315.94	8679.09	2704.63	5974.46	8745.61	6040.98
24	4.49608	39182.9	4.25582	Puente Formation	530	25	1665.04	3265.7	8591.05	2724.31	5866.74	8714.96	5990.65
25	4.49608	43867.2	6.26353	Puente Formation	530	25	1890.51	3707.91	9549.32	2734.28	6815.04	9756.82	7022.54
26	4.49608	48054.2	8.27901	Puente Formation	530	25	2088.95	4097.12	10384.2	2734.44	7649.71	10688.1	7953.67
27	4.49608	48870	10.3049	Puente Formation	530	25	2115.26	4148.72	10485	2724.65	7760.37	10869.6	8144.96
28	4.49608	49597	12.3439	Puente Formation	530	25	2138.6	4194.51	10563.3	2704.75	7858.57	11031.3	8326.58
29	4.49608	50233	14.3989	Puente Formation	530	25	2158.93	4234.37	10618.6	2674.5	7944.05	11172.8	8498.32
30	4.49608	50775.9	16.473	Puente Formation	530	25	2176.15	4268.14	10650.1	2633.65	8016.46	11293.6	8659.95
31	4.49608	51222.6	18.5697	Puente Formation	530	25	2190.15	4295.61	10657.2	2581.86	8075.36	11393	8811.14
32	4.49608	51569.9	20.6924	Puente Formation	530	25	2199.05	4313.07	10639.7	2526.85	8112.8	11470.3	8943.43

33	4.49608	51813.7	22.8454	Puente Formation	530	25	2207.5	4329.63	10594.5	2446.21	8148.33	11524.5	9078.33
34	4.49608	51949.2	25.0331	Puente Formation	530	25	2212.26	4338.97	10521.6	2353.19	8168.38	11554.7	9201.53
35	4.49608	51970.7	27.2605	Puente Formation	530	25	2213.13	4340.68	10419.2	2247.15	8172.03	11559.5	9312.38
36	4.49608	51871.4	29.5337	Puente Formation	530	25	2209.85	4334.24	10285.5	2127.31	8158.2	11537.5	9410.19
37	4.49608	51643.4	31.8592	Puente Formation	530	25	2720.15	5335.12	12297.3	1992.74	10304.6	13987.8	11995.1
38	4.49608	51156.3	34.2451	Puente Formation	530	25	2695.77	5287.29	12044.4	1842.34	10202	13879.5	12037.2
39	4.49608	50150.1	36.7008	Puente Formation	530	25	2633.94	5166.02	11616.7	1674.76	9941.98	13580.1	11905.3
40	4.49608	49252.3	39.2379	Puente Formation	530	25	2418.65	4743.77	10524.8	1488.33	9036.46	12500.1	11011.7
41	4.49608	47922.7	41.8707	Puente Formation	530	25	2206.72	4328.11	9426.07	1280.98	8145.09	11404	10123
42	4.49608	45769	44.6171	Puente Formation	530	25	1982.39	3888.13	8251.58	1050.05	7201.53	10207.7	9157.6
43	4.49608	43248.6	47.5008	Puente Formation	530	25	1881	3689.26	7567.13	792.091	6775.04	9619.94	8827.85
44	4.49608	40450.7	50.5535	Puente Formation	530	25	1776.61	3484.51	6838.4	502.423	6335.97	8997.7	8495.28
45	4.49608	37318.2	53.82	Puente Formation	530	25	1662.02	3259.76	6028.49	174.492	5854	8301.01	8126.52
46	4.49313	33744.7	57.3656	Puente Formation	530	25	1499.36	2940.73	5169.82	0	5169.82	7511.2	7511.2
47	4.49313	29640.9	61.2981	Puente Formation	530	25	1282.13	2514.68	4256.16	0	4256.16	6597.83	6597.83
48	4.49313	24731.2	65.8171	Puente Formation	530	25	1032.45	2024.97	3205.98	0	3205.98	5505.11	5505.11
49	4.49313	18437.3	71.3866	Puente Formation	530	25	730.411	1432.58	1935.58	0	1935.58	4104.28	4104.28
50	4.49313	7420.41	80.7289	Puente Formation	530	25	269.908	529.379	-1.33271	0	-1.33271	1652.13	1652.13

Global Minimum Query (janbu simplified) - Safety Factor: 1.64369

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	4.49608	1289.55	-46.7546	Puente Formation	530	25	492.073	808.815	809.46	211.539	597.921	286.287	74.7475
2	4.49608	3746.62	-43.9084	Puente Formation	530	25	575.116	945.313	1386.36	495.715	890.641	832.747	337.032
3	4.49608	5975.68	-41.1928	Puente Formation	530	25	645.955	1061.75	1893.86	753.519	1140.34	1328.52	574.998
4	4.49608	8004.95	-38.5858	Puente Formation	530	25	707.083	1162.22	2344.02	988.218	1355.81	1779.85	791.636
5	4.49608	9856.19	-36.0706	Puente Formation	530	25	760.198	1249.53	2745.36	1202.33	1543.03	2191.61	989.277
6	4.49608	11546.6	-33.6336	Puente Formation	530	25	806.514	1325.66	3104.12	1397.83	1706.29	2567.6	1169.77
7	4.49608	13089.8	-31.2638	Puente Formation	530	25	846.93	1392.09	3425.07	1576.31	1848.76	2910.86	1334.55
8	4.49608	14497.2	-28.9523	Puente Formation	530	25	882.132	1449.95	3711.93	1739.09	1972.84	3223.91	1484.82
9	4.49608	15778	-26.6914	Puente Formation	530	25	912.657	1500.13	3967.66	1887.22	2080.44	3508.82	1621.6
10	4.49608	16939.9	-24.4745	Puente Formation	530	25	938.93	1543.31	4194.65	2021.6	2173.05	3767.26	1745.66
11	4.49608	17989.3	-22.2961	Puente Formation	530	25	961.307	1580.09	4394.89	2142.97	2251.92	4000.71	1857.74
12	4.49608	18931.7	-20.1512	Puente Formation	530	25	980.063	1610.92	4570.01	2251.97	2318.04	4210.36	1958.39
13	4.49608	19771.7	-18.0354	Puente Formation	530	25	995.431	1636.18	4721.33	2349.12	2372.21	4397.21	2048.09
14	4.49608	20513.2	-15.9448	Puente Formation	530	25	1007.62	1656.21	4850.04	2434.87	2415.17	4562.16	2127.29
15	4.49608	21159.3	-13.8758	Puente Formation	530	25	1016.79	1671.28	4957.08	2509.6	2447.48	4705.91	2196.31
16	4.49608	21712.9	-11.8252	Puente Formation	530	25	1023.08	1681.62	5043.27	2573.63	2469.64	4829.06	2255.43
17	4.49608	22176.1	-9.78977	Puente Formation	530	25	1026.6	1687.41	5109.28	2627.2	2482.08	4932.14	2304.94
18	4.49608	22550.8	-7.76679	Puente Formation	514.842	24.6245	1005.37	1652.52	5152.64	2670.54	2482.1	5015.52	2344.98
19	4.49608	22838.4	-5.75353	Puente Formation	383.979	21.2896	816.333	1341.8	5161.8	2703.8	2458	5079.55	2375.75
20	4.49608	23040.1	-3.74738	Puente Formation	335	20	745.468	1225.32	5173.25	2727.13	2446.12	5124.42	2397.29
21	4.49608	23156.5	-1.74582	Puente Formation	335	20	742.425	1220.32	5172.97	2740.59	2432.38	5150.34	2409.75
22	4.49608	38036.1	0.253598	Puente Formation	416.484	22.1332	1665.89	2738.2	8452.45	2744.24	5708.21	8459.82	5715.58
23	4.49608	39320.9	2.25333	Puente Formation	530	25	2013.79	3310.04	8666.44	2704.63	5961.81	8745.68	6041.05
24	4.49608	39182.9	4.25582	Puente Formation	530	25	1980.18	3254.81	8567.7	2724.31	5843.39	8715.05	5990.74
25	4.49608	43867.2	6.26353	Puente Formation	530	25	2244.86	3689.85	9510.61	2734.28	6776.33	9757	7022.72
26	4.49608	48054.2	8.27901	Puente Formation	530	25	2476.7	4070.92	10328	2734.44	7593.54	10688.4	7953.93
27	4.49608	48870	10.3049	Puente Formation	530	25	2504.06	4115.9	10414.6	2724.65	7689.99	10869.9	8145.28
28	4.49608	49597	12.3439	Puente Formation	530	25	2527.83	4154.97	10478.5	2704.75	7773.77	11031.7	8326.95
29	4.49608	50233	14.3989	Puente Formation	530	25	2547.93	4188.01	10519.1	2674.5	7844.63	11173.3	8498.77
30	4.49608	50775.9	16.473	Puente Formation	530	25	2564.27	4214.86	10535.9	2633.65	7902.2	11294.1	8660.46
31	4.49608	51222.6	18.5697	Puente Formation	530	25	2576.71	4235.32	10528	2581.86	7946.1	11393.6	8811.74
32	4.49608	51569.9	20.6924	Puente Formation	530	25	2583.05	4245.74	10495.3	2526.85	7968.43	11470.9	8944.09
33	4.49608	51813.7	22.8454	Puente Formation	530	25	2588.74	4255.08	10434.7	2446.21	7988.45	11525.3	9079.07

34	4.49608	51949.2	25.0331	Puente Formation	530	25	2589.97	4257.1	10346	2353.19	7992.81	11555.5	9202.35
35	4.49608	51970.7	27.2605	Puente Formation	530	25	2586.5	4251.4	10227.7	2247.15	7980.57	11560.5	9313.3
36	4.49608	51871.4	29.5337	Puente Formation	530	25	2578	4237.44	10077.9	2127.31	7950.62	11538.5	9411.18
37	4.49608	51643.4	31.8592	Puente Formation	530	25	3167.36	5206.15	12020.8	1992.74	10028	13989.1	11996.4
38	4.49608	51156.3	34.2451	Puente Formation	530	25	3132.74	5149.26	11748.4	1842.34	9906.03	13881	12038.6
39	4.49608	50150.1	36.7008	Puente Formation	530	25	3054.45	5020.57	11304.8	1674.76	9630.07	13581.6	11906.9
40	4.49608	49252.3	39.2379	Puente Formation	530	25	2798.49	4599.85	10216.1	1488.33	8727.81	12501.6	11013.3
41	4.49608	47922.7	41.8707	Puente Formation	530	25	2547.07	4186.59	9122.56	1280.98	7841.58	11405.6	10124.6
42	4.49608	45769	44.6171	Puente Formation	530	25	2282.04	3750.97	7957.44	1050.05	6907.39	10209.2	9159.13
43	4.49608	43248.6	47.5008	Puente Formation	530	25	2158.9	3548.57	7265.44	792.091	6473.35	9621.54	8829.45
44	4.49608	40450.7	50.5535	Puente Formation	530	25	2032.26	3340.4	6529.34	502.423	6026.92	8999.37	8496.94
45	4.49608	37318.2	53.82	Puente Formation	530	25	1893.79	3112.8	5713.33	174.492	5538.83	8302.75	8128.26
46	4.49313	33744.7	57.3656	Puente Formation	530	25	1700.5	2795.09	4857.5	0	4857.5	7512.98	7512.98
47	4.49313	29640.9	61.2981	Puente Formation	530	25	1445.67	2376.23	3959.25	0	3959.25	6599.61	6599.61
48	4.49313	24731.2	65.8171	Puente Formation	530	25	1155.02	1898.49	2934.75	0	2934.75	5506.82	5506.82
49	4.49313	18437.3	71.3866	Puente Formation	530	25	807.271	1326.9	1708.97	0	1708.97	4105.87	4105.87
50	4.49313	7420.41	80.7289	Puente Formation	530	25	289.078	475.155	-117.615	0	-117.615	1653.29	1653.29

Block - Curved PStatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.35235

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	4.1238	923.474	-42.1471	Puente Formation	530	25	1143.45	1546.35	2358.4	178.843	2179.56	1323.5	1144.66
2	4.1238	2690.42	-39.5789	Puente Formation	530	25	1199.41	1622.02	2743.5	401.65	2341.85	1752.01	1350.36
3	4.1238	4305.64	-37.1028	Puente Formation	530	25	1247.8	1687.46	3087.5	605.325	2482.18	2143.7	1538.38
4	4.1238	5784.06	-34.7054	Puente Formation	530	25	1289.7	1744.12	3395.45	791.75	2603.7	2502.25	1710.5
5	4.1238	7137.65	-32.3757	Puente Formation	530	25	1325.91	1793.1	3671.17	962.434	2708.73	2830.5	1868.07
6	4.1238	8376.16	-30.1048	Puente Formation	530	25	1357.06	1835.22	3917.66	1118.61	2799.05	3130.85	2012.24
7	4.1238	9507.64	-27.885	Puente Formation	530	25	1383.63	1871.15	4137.37	1261.28	2876.09	3405.24	2143.96
8	4.1238	10538.8	-25.7099	Puente Formation	530	25	1406	1901.4	4332.3	1391.31	2940.99	3655.34	2264.03
9	4.1238	11475.3	-23.5739	Puente Formation	530	25	1424.49	1926.41	4504.03	1509.4	2994.63	3882.46	2373.06
10	4.1238	12321.9	-21.4721	Puente Formation	530	25	1439.38	1946.54	4653.93	1616.15	3037.78	4087.75	2471.6
11	4.1238	13082.6	-19.4003	Puente Formation	530	25	1450.87	1962.08	4783.19	1712.07	3071.12	4272.25	2560.18
12	4.1238	13760.8	-17.3546	Puente Formation	530	25	1459.16	1973.29	4892.72	1797.59	3095.13	4436.72	2639.13
13	4.1238	14359.4	-15.3316	Puente Formation	530	25	1464.38	1980.36	4983.38	1873.07	3110.31	4581.9	2708.83
14	4.1238	14880.8	-13.3279	Puente Formation	530	25	1466.7	1983.49	5055.85	1938.83	3117.02	4708.39	2769.56
15	4.1238	15327.2	-11.3407	Puente Formation	530	25	1466.2	1982.82	5110.7	1995.11	3115.59	4816.64	2821.53
16	4.1238	15700.1	-9.36731	Puente Formation	530	25	1463	1978.49	5148.45	2042.14	3106.31	4907.11	2864.97
17	4.1238	16001.1	-7.40506	Puente Formation	491.329	24.0375	1378.86	1864.7	5159.31	2080.09	3079.22	4980.11	2900.02
18	4.1238	16231.1	-5.45151	Puente Formation	364.348	20.7753	1120.47	1515.27	5142.84	2109.09	3033.75	5035.91	2926.82
19	4.1238	16390.9	-3.50431	Puente Formation	335	20	1057.88	1430.63	5139.46	2129.25	3010.21	5074.68	2945.43
20	4.1238	16481.2	-1.56115	Puente Formation	335	20	1050.99	1421.31	5125.24	2140.63	2984.61	5096.59	2955.96
21	4.1238	16502.3	0.380203	Puente Formation	424.713	22.3452	1210.84	1637.48	5093.69	2143.29	2950.4	5101.72	2958.43
22	4.1238	16454.1	2.322	Puente Formation	530	25	1112.49	1504.47	4226.97	2137.22	2089.75	4272.08	2134.86
23	4.1238	27595.6	4.26647	Puente Formation	530	25	1918.18	2594.05	6548.76	2122.4	4426.36	6691.86	4569.46
24	4.1238	30995	6.21588	Puente Formation	530	25	2188.9	2960.16	7277.83	2066.34	5211.49	7516.24	5449.9
25	4.1238	30737.4	8.17255	Puente Formation	530	25	2143.27	2898.45	7145.97	2066.83	5079.14	7453.78	5386.95
26	4.1238	31313.9	10.1389	Puente Formation	530	25	2166.88	2930.38	7206.12	2058.47	5147.65	7593.62	5535.15
27	4.1238	38063.3	12.1174	Puente Formation	530	25	2672.98	3614.81	8656.51	2041.12	6615.39	9230.4	7189.28
28	4.1238	38608.1	14.1107	Puente Formation	530	25	2692.22	3640.83	8685.76	2014.58	6671.18	9362.53	7347.95
29	4.1238	39077	16.1216	Puente Formation	530	25	2707.37	3661.31	8693.74	1978.63	6715.11	9476.28	7497.65
30	4.1238	39467.9	18.1531	Puente Formation	530	25	2718.31	3676.11	8679.84	1932.99	6746.85	9571.11	7638.12
31	4.1238	39778.1	20.2086	Puente Formation	530	25	2724.92	3685.04	8643.37	1877.35	6766.02	9646.4	7769.05
32	4.1238	40004.5	22.2916	Puente Formation	530	25	2727.01	3687.87	8583.4	1811.32	6772.08	9701.36	7890.04

33	4.1238	40143.6	24.4062	Puente Formation	530	25	2724.39	3684.33	8498.92	1734.45	6764.47	9735.12	8000.67
34	4.1238	40191	26.5569	Puente Formation	530	25	2715.47	3672.27	8389.4	1650.8	6738.6	9746.66	8095.86
35	4.1238	40141.6	28.7489	Puente Formation	530	25	3494.92	4726.36	10544.2	1545.12	8999.13	12461.5	10916.4
36	4.1238	39989.4	30.9879	Puente Formation	530	25	2687.42	3634.33	8083.9	1426.64	6657.26	9697.89	8271.25
37	4.1238	39727.2	33.2809	Puente Formation	530	25	3431.26	4640.26	10108.9	1294.44	8814.48	12361.2	11066.8
38	4.1238	39346.3	35.6359	Puente Formation	530	25	3389	4583.12	9839.41	1147.46	8691.95	12268.9	11121.5
39	4.1238	38836.2	38.0627	Puente Formation	530	25	3338.83	4515.27	9530.81	984.375	8546.43	12145.3	11160.9
40	4.1238	38183.2	40.5731	Puente Formation	530	25	3279.74	4435.35	9178.6	803.56	8375.04	11987	11183.4
41	4.1238	37129.7	43.1818	Puente Formation	530	25	2484.85	3360.39	6672.77	602.982	6069.79	9004.71	8401.73
42	4.1238	35730.1	45.9075	Puente Formation	530	25	3089.5	4178.08	8203.36	380.037	7823.32	11392.3	11012.3
43	4.1238	34404.3	48.7751	Puente Formation	530	25	2313.37	3128.48	5703.74	131.3	5572.44	8343.96	8212.66
44	3.9689	31328.5	51.7568	Puente Formation	530	25	2166.32	2929.62	5146	0	5146	7894.63	7894.63
45	3.9689	28871.2	54.89	Puente Formation	530	25	1946.14	2631.86	4507.45	0	4507.45	7275.5	7275.5
46	3.9689	25997.1	58.2914	Puente Formation	530	25	1701.35	2300.82	3797.54	0	3797.54	6551.34	6551.34
47	3.9689	22685.1	62.0627	Puente Formation	530	25	1432.03	1936.6	3016.46	0	3016.46	5716.83	5716.83
48	3.9689	18740.6	66.3892	Puente Formation	530	25	1129.47	1527.44	2139.01	0	2139.01	4722.94	4722.94
49	3.9689	13721.1	71.6973	Puente Formation	530	25	775.691	1049.01	1113.01	0	1113.01	3458.11	3458.11
50	3.9689	5431.85	80.1295	Puente Formation	530	25	289.787	391.893	-296.17	0	-296.17	1369.29	1369.29

Global Minimum Query (janbu simplified) - Safety Factor: 1.01786

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.95504	914.01	-44.2414	Puente Formation	530	25	1890.07	1923.83	3171.65	182.568	2989.08	1330.97	1148.41
2	3.95504	2659.89	-41.552	Puente Formation	530	25	1925.92	1960.32	3479.45	412.112	3067.33	1772.41	1360.3
3	3.95504	4250.97	-38.9705	Puente Formation	530	25	1957.96	1992.93	3758.57	621.305	3137.27	2174.71	1553.41
4	3.95504	5704.17	-36.4802	Puente Formation	530	25	1985.87	2021.34	4010.56	812.368	3198.19	2542.15	1729.78
5	3.95504	7032.82	-34.0677	Puente Formation	530	25	2009.61	2045.5	4237.06	987.056	3250	2878.1	1891.05
6	3.95504	8247.64	-31.7222	Puente Formation	530	25	2029.24	2065.48	4439.64	1146.78	3292.86	3185.27	2038.49
7	3.95504	9357.38	-29.4348	Puente Formation	530	25	2044.91	2081.43	4619.73	1292.69	3327.04	3465.85	2173.16
8	3.95504	10369.3	-27.1978	Puente Formation	530	25	2056.76	2093.49	4778.66	1425.73	3352.93	3721.73	2296
9	3.95504	11289.3	-25.005	Puente Formation	530	25	2064.94	2101.82	4917.47	1546.69	3370.78	3954.35	2407.66
10	3.95504	12122.6	-22.8507	Puente Formation	530	25	2069.59	2106.55	5037.16	1656.25	3380.91	4165.03	2508.78
11	3.95504	12873.3	-20.7301	Puente Formation	530	25	2070.83	2107.82	5138.6	1754.95	3383.65	4354.86	2599.91
12	3.95504	13545	-18.6388	Puente Formation	530	25	2068.81	2105.76	5222.51	1843.27	3379.24	4524.72	2681.45
13	3.95504	14140.9	-16.573	Puente Formation	530	25	2063.61	2100.47	5289.5	1921.61	3367.89	4675.37	2753.76
14	3.95504	14663.5	-14.5291	Puente Formation	530	25	2055.35	2092.06	5340.17	1990.32	3349.85	4807.5	2817.18
15	3.95504	15114.8	-12.504	Puente Formation	530	25	2044.1	2080.61	5374.95	2049.66	3325.29	4921.63	2871.97
16	3.95504	15496.8	-10.4947	Puente Formation	530	25	2029.94	2066.19	5394.25	2099.89	3294.36	5018.21	2918.32
17	3.95504	15810.9	-8.49841	Puente Formation	530	25	2012.93	2048.88	5398.43	2141.18	3257.25	5097.65	2956.47
18	3.95504	16058.3	-6.51244	Puente Formation	433.309	22.566	1725.42	1756.24	5357.17	2173.71	3183.46	5160.2	2986.49
19	3.95504	16239.9	-4.53431	Puente Formation	335	20	1445.93	1471.75	5320.79	2197.58	3123.21	5206.13	3008.55
20	3.95504	16356.3	-2.56159	Puente Formation	335	20	1432.9	1458.49	5299.66	2212.89	3086.77	5235.55	3022.66
21	3.95504	16408	-0.591902	Puente Formation	361.526	20.7011	1160.6	1181.33	4389.08	2219.68	2169.4	4377.09	2157.41
22	3.95504	27288.1	1.37708	Puente Formation	489.51	23.9919	2501.65	2546.33	6839.45	2217.99	4621.46	6899.59	4681.6
23	3.95504	30555.8	3.3477	Puente Formation	530	25	2984.99	3038.3	7551.2	2172.13	5379.07	7725.8	5553.67
24	3.95504	30413.4	5.32229	Puente Formation	530	25	2918.12	2970.24	7417.98	2184.85	5233.13	7689.83	5504.98
25	3.95504	30205.7	7.30325	Puente Formation	530	25	2849.36	2900.25	7272.14	2189.11	5083.03	7637.31	5448.2
26	3.95504	37298.3	9.29304	Puente Formation	530	25	3572.4	3636.2	8846.09	2184.81	6661.28	9430.65	7245.84
27	3.95504	38091.8	11.2942	Puente Formation	530	25	3607.95	3672.39	8910.73	2171.83	6738.9	9631.29	7459.46
28	3.95504	38620.9	13.3095	Puente Formation	530	25	3617.32	3681.93	8909.34	2149.99	6759.35	9765.07	7615.08
29	3.95504	39079.9	15.3417	Puente Formation	530	25	3621.51	3686.19	8887.56	2119.1	6768.46	9881.13	7762.03
30	3.95504	39467	17.3939	Puente Formation	530	25	3620.37	3685.03	8844.88	2078.89	6765.99	9979.01	7900.12
31	3.95504	39779.7	19.4694	Puente Formation	530	25	3613.73	3678.27	8780.56	2029.07	6751.49	10058.1	8029.01
32	3.95504	40015.4	21.5719	Puente Formation	530	25	3601.39	3665.71	8693.83	1969.28	6724.55	10117.7	8148.4
33	3.95504	40170.8	23.7054	Puente Formation	530	25	3580.03	3643.97	8585.06	1907.12	6677.94	10157	8249.86

34	3.95504	40242	25.8744	Puente Formation	530	25	3557.44	3620.98	8449.57	1820.93	6628.64	10175	8354.08
35	3.95504	40224.5	28.0842	Puente Formation	530	25	3528.19	3591.2	8287.97	1723.21	6564.76	10170.6	8447.38
36	3.95504	40113	30.3404	Puente Formation	530	25	4518.87	4599.58	10340.5	1613.27	8727.25	12985.4	11372.1
37	3.95504	39900.8	32.65	Puente Formation	530	25	4454.69	4534.25	10077.4	1490.26	8587.14	12931.8	11441.5
38	3.95504	39580.3	35.0211	Puente Formation	530	25	3395.51	3456.15	7628.32	1353.16	6275.16	10007.7	8654.58
39	3.95504	39141.9	37.4632	Puente Formation	530	25	4298.15	4374.92	9446.23	1200.76	8245.47	12739.9	11539.2
40	3.95504	38555	39.9881	Puente Formation	530	25	4202.02	4277.07	9067.14	1031.52	8035.62	12591.6	11560.1
41	3.95504	37537.2	42.6104	Puente Formation	530	25	4069.78	4142.47	8590.52	843.56	7746.96	12334.2	11490.7
42	3.95504	36318.3	45.3485	Puente Formation	530	25	3763.63	3830.85	7713.14	634.437	7078.71	11522.8	10888.4
43	3.95504	35148.1	48.2268	Puente Formation	530	25	2913.97	2966.01	5624.99	400.971	5224.02	8887.16	8486.19
44	3.95504	33386.6	51.2782	Puente Formation	530	25	2752.02	2801.17	5009.38	138.847	4870.54	8441.78	8302.94
45	3.89153	30478.2	54.5207	Puente Formation	530	25	2501.17	2545.84	4322.98	0	4322.98	7832.17	7832.17
46	3.89153	27748.2	58.0184	Puente Formation	530	25	2184.62	2223.64	3632.03	0	3632.03	7130.65	7130.65
47	3.89153	24591	61.9041	Puente Formation	530	25	1838.27	1871.1	2875.99	0	2875.99	6319.35	6319.35
48	3.89153	20811.3	66.3786	Puente Formation	530	25	1450.9	1476.82	2030.45	0	2030.45	5348.07	5348.07
49	3.89153	15950.6	71.9183	Puente Formation	530	25	998.092	1015.92	1042.05	0	1042.05	4099.02	4099.02
50	3.89153	6583.81	82.1422	Puente Formation	530	25	300	305.358	-481.746	0	-481.746	1691.98	1691.98

Interslice Data

Block - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.64463

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	119.686	409	0	0	0
2	122.943	405.743	3656.47	0	0
3	126.199	402.486	9070.91	0	0
4	129.456	399.229	16243.3	0	0
5	132.713	395.972	25173.7	0	0
6	135.97	392.715	35862	0	0
7	139.227	389.458	48308.4	0	0
8	142.484	386.202	62512.6	0	0
9	145.741	382.945	78474.9	0	0
10	148.998	379.688	96195.1	0	0
11	152.255	376.431	115673	0	0
12	155.512	373.174	136909	0	0
13	158.769	369.917	159904	0	0
14	162.026	366.66	184656	0	0
15	165.283	363.403	211166	0	0
16	168.539	360.146	239434	0	0
17	171.677	361.759	232705	0	0
18	174.815	363.371	225143	0	0
19	177.952	364.983	217836	0	0
20	181.09	366.596	210724	0	0
21	184.227	368.208	203807	0	0
22	187.365	369.82	196197	0	0
23	190.503	371.433	188389	0	0
24	193.64	373.045	180657	0	0
25	196.778	374.658	173001	0	0
26	199.916	376.27	165422	0	0
27	203.053	377.882	157919	0	0
28	206.191	379.495	150492	0	0
29	209.328	381.107	143142	0	0
30	212.487	384.346	123645	0	0
31	215.646	387.586	104746	0	0
32	218.806	390.825	86462.1	0	0
33	221.965	394.064	93720.4	0	0
34	225.085	399.854	84034	0	0
35	228.205	405.643	76843.8	0	0
36	231.325	411.433	91961.2	0	0
37	234.445	417.222	89763.7	0	0
38	237.852	423.543	68069.7	0	0
39	241.258	429.864	48317.6	0	0
40	244.665	436.184	30544.2	0	0
41	248.071	442.505	14979.6	0	0
42	251.477	448.825	1635.09	0	0
43	254.884	455.146	-9706.17	0	0
44	258.29	461.467	-18844.2	0	0
45	261.697	467.787	-25473.8	0	0
46	265.065	471.156	-27954.7	0	0
47	268.434	474.525	-29676.4	0	0
48	271.803	477.894	-30638.9	0	0
49	275.172	481.262	-30842.3	0	0
50	278.54	484.631	-30286.5	0	0
51	281.909	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.54288

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	125.223	409	0	0	0
2	128.198	406.025	3519.14	0	0
3	131.173	403.05	8541.77	0	0
4	134.148	400.075	15067.9	0	0
5	137.123	397.1	23097.5	0	0
6	140.098	394.125	32630.6	0	0
7	143.073	391.15	43667.1	0	0
8	146.048	388.175	56207.2	0	0
9	149.023	385.201	70250.7	0	0
10	151.998	382.226	85797.7	0	0
11	154.973	379.251	102848	0	0
12	157.948	376.276	121402	0	0
13	160.923	373.301	141460	0	0
14	163.898	370.326	163021	0	0
15	166.872	367.351	186085	0	0
16	169.847	364.376	210653	0	0
17	172.768	364.098	218199	0	0
18	175.688	363.82	225958	0	0
19	178.609	363.542	233761	0	0
20	181.529	363.264	241567	0	0
21	184.45	362.985	249378	0	0
22	187.37	362.707	258741	0	0
23	190.291	362.429	268630	0	0
24	193.211	362.151	278701	0	0
25	196.132	361.873	288955	0	0
26	199.233	365.691	261396	0	0
27	202.335	369.509	234769	0	0
28	205.437	373.327	209074	0	0
29	208.539	377.145	184311	0	0
30	211.641	380.963	160480	0	0
31	214.742	384.781	137581	0	0
32	217.844	388.599	115605	0	0
33	220.946	392.416	118338	0	0
34	224.25	398.61	107317	0	0
35	227.554	404.804	99139.2	0	0
36	230.857	410.998	113896	0	0
37	234.161	417.191	111404	0	0
38	237.176	422.845	92841.6	0	0
39	240.192	428.498	75784.9	0	0
40	243.207	434.151	60234.7	0	0
41	246.222	439.804	46323.2	0	0
42	249.238	445.457	34152.4	0	0
43	252.253	451.11	23656.5	0	0
44	255.268	456.763	14698.3	0	0
45	258.284	462.416	7475.01	0	0
46	261.299	468.069	2192.9	0	0
47	264.314	473.722	-1035.67	0	0
48	267.33	479.376	-2210.71	0	0
49	270.205	482.25	-2023.02	0	0
50	273.079	485.125	-1303.84	0	0
51	275.954	488	0	0	0

Block - Block Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.11318

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	104.406	409	0	0	0
2	108.349	405.057	18045.9	0	0
3	112.293	401.113	38641	0	0
4	116.236	397.17	61785.3	0	0
5	120.18	393.226	87478.9	0	0
6	124.123	389.283	115722	0	0
7	128.066	385.339	146514	0	0
8	132.01	381.396	179855	0	0
9	135.953	377.453	215745	0	0
10	139.897	373.509	254185	0	0
11	143.84	369.566	295174	0	0
12	147.521	369.285	296329	0	0
13	151.202	369.003	297474	0	0
14	154.883	368.722	298607	0	0
15	158.564	368.441	299729	0	0
16	162.246	368.16	300839	0	0
17	165.927	367.878	301938	0	0
18	169.608	367.597	302371	0	0
19	173.289	367.316	302773	0	0
20	176.97	367.035	303335	0	0
21	180.651	366.753	303851	0	0
22	184.332	366.472	304319	0	0
23	188.013	366.191	305224	0	0
24	191.694	365.91	306252	0	0
25	195.375	365.629	307301	0	0
26	199.056	365.347	308373	0	0
27	202.737	365.066	309466	0	0
28	206.418	364.785	310582	0	0
29	210.492	368.257	275246	0	0
30	214.566	371.729	240759	0	0
31	218.639	375.201	207102	0	0
32	222.713	378.673	174307	0	0
33	226.786	382.144	142372	0	0
34	230.86	385.616	111298	0	0
35	234.632	392.27	110137	0	0
36	238.405	398.923	90087.3	0	0
37	242.177	405.576	73856.2	0	0
38	245.949	412.23	84271.9	0	0
39	249.722	418.883	53488.2	0	0
40	253.46	425.476	26270.7	0	0
41	257.198	432.069	1557.38	0	0
42	260.936	438.661	-20222.7	0	0
43	264.674	445.254	-38755.9	0	0
44	268.412	451.847	-54031.6	0	0
45	272.15	458.44	-66050	0	0
46	275.888	465.033	-74810.8	0	0
47	279.626	471.626	-80314.2	0	0
48	283.364	478.219	-82560.2	0	0
49	286.625	481.479	-82720.9	0	0
50	289.885	484.74	-81940	0	0
51	293.146	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.01254

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	104.406	409	0	0	0
2	108.349	405.057	20354.8	0	0
3	112.293	401.113	43488.1	0	0
4	116.236	397.17	69399.8	0	0
5	120.18	393.226	98090	0	0
6	124.123	389.283	129559	0	0
7	128.066	385.339	163806	0	0
8	132.01	381.396	200831	0	0
9	135.953	377.453	240635	0	0
10	139.897	373.509	283218	0	0
11	143.84	369.566	328579	0	0
12	147.521	369.285	330252	0	0
13	151.202	369.003	331915	0	0
14	154.883	368.722	333569	0	0
15	158.564	368.441	335214	0	0
16	162.246	368.16	336849	0	0
17	165.927	367.878	338475	0	0
18	169.608	367.597	339385	0	0
19	173.289	367.316	340575	0	0
20	176.97	367.035	341981	0	0
21	180.651	366.753	343338	0	0
22	184.332	366.472	344646	0	0
23	188.013	366.191	346578	0	0
24	191.694	365.91	348698	0	0
25	195.375	365.629	350865	0	0
26	199.056	365.347	353080	0	0
27	202.737	365.066	355341	0	0
28	206.418	364.785	357651	0	0
29	210.492	368.257	323820	0	0
30	214.566	371.729	290839	0	0
31	218.639	375.201	258688	0	0
32	222.713	378.673	227401	0	0
33	226.786	382.144	196977	0	0
34	230.86	385.616	167416	0	0
35	234.632	392.27	169409	0	0
36	238.405	398.923	151892	0	0
37	242.177	405.576	138156	0	0
38	245.949	412.23	151611	0	0
39	249.722	418.883	122638	0	0
40	253.46	425.476	97130.1	0	0
41	257.198	432.069	74008.1	0	0
42	260.936	438.661	53680.5	0	0
43	264.674	445.254	36446	0	0
44	268.412	451.847	22314.7	0	0
45	272.15	458.44	11286.7	0	0
46	275.888	465.033	3361.82	0	0
47	279.626	471.626	-1459.81	0	0
48	283.364	478.219	-3178.24	0	0
49	286.625	481.479	-3072.8	0	0
50	289.885	484.74	-2074.98	0	0
51	293.146	488	0	0	0

Block - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.96133

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	75.2106	409	0	0	0
2	79.7067	404.22	5062.53	0	0
3	84.2027	399.892	12604.1	0	0
4	88.6988	395.957	21913.5	0	0
5	93.1949	392.369	32462.9	0	0
6	97.691	389.094	43848.3	0	0
7	102.187	386.103	55753.3	0	0
8	106.683	383.374	67924.8	0	0
9	111.179	380.886	80158	0	0
10	115.675	378.626	92284.4	0	0
11	120.171	376.579	104165	0	0
12	124.668	374.736	115683	0	0
13	129.164	373.086	126742	0	0
14	133.66	371.622	137259	0	0
15	138.156	370.337	147167	0	0
16	142.652	369.227	156409	0	0
17	147.148	368.285	164937	0	0
18	151.644	367.509	172712	0	0
19	156.14	366.896	179621	0	0
20	160.636	366.443	185015	0	0
21	165.132	366.149	189338	0	0
22	169.628	366.012	192839	0	0
23	174.124	366.032	198947	0	0
24	178.621	366.209	205010	0	0
25	183.117	366.543	209619	0	0
26	187.613	367.037	213403	0	0
27	192.109	367.691	215998	0	0
28	196.605	368.508	216934	0	0
29	201.101	369.492	216152	0	0
30	205.597	370.646	213598	0	0
31	210.093	371.976	209219	0	0
32	214.589	373.486	202965	0	0
33	219.085	375.185	194780	0	0
34	223.581	377.079	184633	0	0
35	228.077	379.179	172483	0	0
36	232.574	381.495	158292	0	0
37	237.07	384.043	142024	0	0
38	241.566	386.837	151269	0	0
39	246.062	389.897	157901	0	0
40	250.558	393.249	161251	0	0
41	255.054	396.921	153046	0	0
42	259.55	400.951	134661	0	0
43	264.046	405.387	107787	0	0
44	268.542	410.294	79110.5	0	0
45	273.038	415.758	49726.2	0	0
46	277.534	421.906	20135	0	0
47	282.027	428.922	-9404.4	0	0
48	286.521	437.129	-38572.8	0	0
49	291.014	447.134	-66013.5	0	0
50	295.507	460.475	-88555	0	0
51	300	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.64369

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	75.2106	409	0	0	0
2	79.7067	404.22	6079.59	0	0
3	84.2027	399.892	14662.8	0	0
4	88.6988	395.957	25016.5	0	0
5	93.1949	392.369	36601.3	0	0
6	97.691	389.094	49007	0	0
7	102.187	386.103	61913.9	0	0
8	106.683	383.374	75067.6	0	0
9	111.179	380.886	88262.5	0	0
10	115.675	378.626	101330	0	0
11	120.171	376.579	114132	0	0
12	124.668	374.736	126553	0	0
13	129.164	373.086	138495	0	0
14	133.66	371.622	149877	0	0
15	138.156	370.337	160633	0	0
16	142.652	369.227	170706	0	0
17	147.148	368.285	180048	0	0
18	151.644	367.509	188623	0	0
19	156.14	366.896	196299	0	0
20	160.636	366.443	202303	0	0
21	165.132	366.149	207175	0	0
22	169.628	366.012	211219	0	0
23	174.124	366.032	218533	0	0
24	178.621	366.209	226045	0	0
25	183.117	366.543	232072	0	0
26	187.613	367.037	237462	0	0
27	192.109	367.691	241829	0	0
28	196.605	368.508	244563	0	0
29	201.101	369.492	245607	0	0
30	205.597	370.646	244909	0	0
31	210.093	371.976	242419	0	0
32	214.589	373.486	238090	0	0
33	219.085	375.185	231868	0	0
34	223.581	377.079	223731	0	0
35	228.077	379.179	213640	0	0
36	232.574	381.495	201563	0	0
37	237.07	384.043	187471	0	0
38	241.566	386.837	199490	0	0
39	246.062	389.897	208983	0	0
40	250.558	393.249	215260	0	0
41	255.054	396.921	209888	0	0
42	259.55	400.951	194248	0	0
43	264.046	405.387	170018	0	0
44	268.542	410.294	144066	0	0
45	273.038	415.758	117513	0	0
46	277.534	421.906	90896	0	0
47	282.027	428.922	64446.5	0	0
48	286.521	437.129	38445	0	0
49	291.014	447.134	14265.5	0	0
50	295.507	460.475	-4909.89	0	0
51	300	488	0	0	0

Block - Curved PStatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.35235

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	78.2801	409	0	0	0
2	82.4039	405.268	13210.9	0	0
3	86.5277	401.859	26619.6	0	0
4	90.6515	398.74	39972.6	0	0
5	94.7753	395.884	53077.6	0	0
6	98.8991	393.269	65786.3	0	0
7	103.023	390.878	77983	0	0
8	107.147	388.696	89576.9	0	0
9	111.271	386.71	100497	0	0
10	115.394	384.911	110686	0	0
11	119.518	383.289	120102	0	0
12	123.642	381.837	128712	0	0
13	127.766	380.548	136491	0	0
14	131.89	379.417	143423	0	0
15	136.013	378.44	149498	0	0
16	140.137	377.613	154710	0	0
17	144.261	376.933	159062	0	0
18	148.385	376.397	162231	0	0
19	152.509	376.004	163517	0	0
20	156.632	375.751	163767	0	0
21	160.756	375.639	163236	0	0
22	164.88	375.666	162643	0	0
23	169.004	375.833	161092	0	0
24	173.128	376.141	157877	0	0
25	177.251	376.59	153403	0	0
26	181.375	377.182	147862	0	0
27	185.499	377.92	141147	0	0
28	189.623	378.805	131940	0	0
29	193.746	379.842	121293	0	0
30	197.87	381.034	109195	0	0
31	201.994	382.386	95639.7	0	0
32	206.118	383.904	80625	0	0
33	210.242	385.594	64153.5	0	0
34	214.365	387.466	46233.2	0	0
35	218.489	389.527	26871.7	0	0
36	222.613	391.789	35557.3	0	0
37	226.737	394.266	13417.7	0	0
38	230.861	396.973	18468.4	0	0
39	234.984	399.929	21746.1	0	0
40	239.108	403.158	23296.9	0	0
41	243.232	406.689	23184.8	0	0
42	247.356	410.559	-4649.07	0	0
43	251.48	414.816	-7242.79	0	0
44	255.603	419.522	-35904.7	0	0
45	259.572	424.558	-63562.8	0	0
46	263.541	430.203	-90814.4	0	0
47	267.51	436.627	-117039	0	0
48	271.479	444.111	-141420	0	0
49	275.448	453.191	-162545	0	0
50	279.417	465.19	-177351	0	0
51	283.386	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.01786

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	86.015	409	0	0	0
2	89.9701	405.148	19389.3	0	0
3	93.9251	401.643	38325.3	0	0
4	97.8802	398.443	56690.8	0	0
5	101.835	395.519	74390.8	0	0
6	105.79	392.844	91349.5	0	0
7	109.745	390.4	107507	0	0
8	113.7	388.168	122816	0	0
9	117.655	386.136	137240	0	0
10	121.61	384.291	150752	0	0
11	125.565	382.624	163332	0	0
12	129.52	381.127	174965	0	0
13	133.475	379.793	185644	0	0
14	137.431	378.616	195364	0	0
15	141.386	377.591	204127	0	0
16	145.341	376.714	211937	0	0
17	149.296	375.982	218803	0	0
18	153.251	375.391	224737	0	0
19	157.206	374.939	228680	0	0
20	161.161	374.625	230708	0	0
21	165.116	374.449	231915	0	0
22	169.071	374.408	231269	0	0
23	173.026	374.503	231507	0	0
24	176.981	374.734	231482	0	0
25	180.936	375.103	230253	0	0
26	184.891	375.609	227867	0	0
27	188.846	376.257	223962	0	0
28	192.801	377.046	218622	0	0
29	196.756	377.982	211847	0	0
30	200.711	379.067	203629	0	0
31	204.666	380.306	193964	0	0
32	208.621	381.704	182851	0	0
33	212.576	383.268	170295	0	0
34	216.531	385.005	156288	0	0
35	220.486	386.923	140868	0	0
36	224.441	389.033	124056	0	0
37	228.396	391.348	136133	0	0
38	232.351	393.882	146425	0	0
39	236.306	396.654	125650	0	0
40	240.261	399.685	132482	0	0
41	244.216	403.002	137678	0	0
42	248.172	406.64	141512	0	0
43	252.127	410.644	139445	0	0
44	256.082	415.071	114464	0	0
45	260.037	420.004	89619.8	0	0
46	263.928	425.464	65691.6	0	0
47	267.82	431.696	42400.1	0	0
48	271.711	438.986	20473.8	0	0
49	275.603	447.884	1184.25	0	0
50	279.494	459.803	-12615.9	0	0
51	283.386	488	0	0	0

Entity Information

Block

Shared Entities

Type	Coordinates (x,y)
External Boundary	0, 425 0, 330 306, 330 306, 488 258, 488 254, 487 250, 485 243, 483 185, 454 185, 439 170, 439 170, 409 75, 409 75, 426 67, 426 50, 424 50, 423 25, 425

Scenario-based Entities

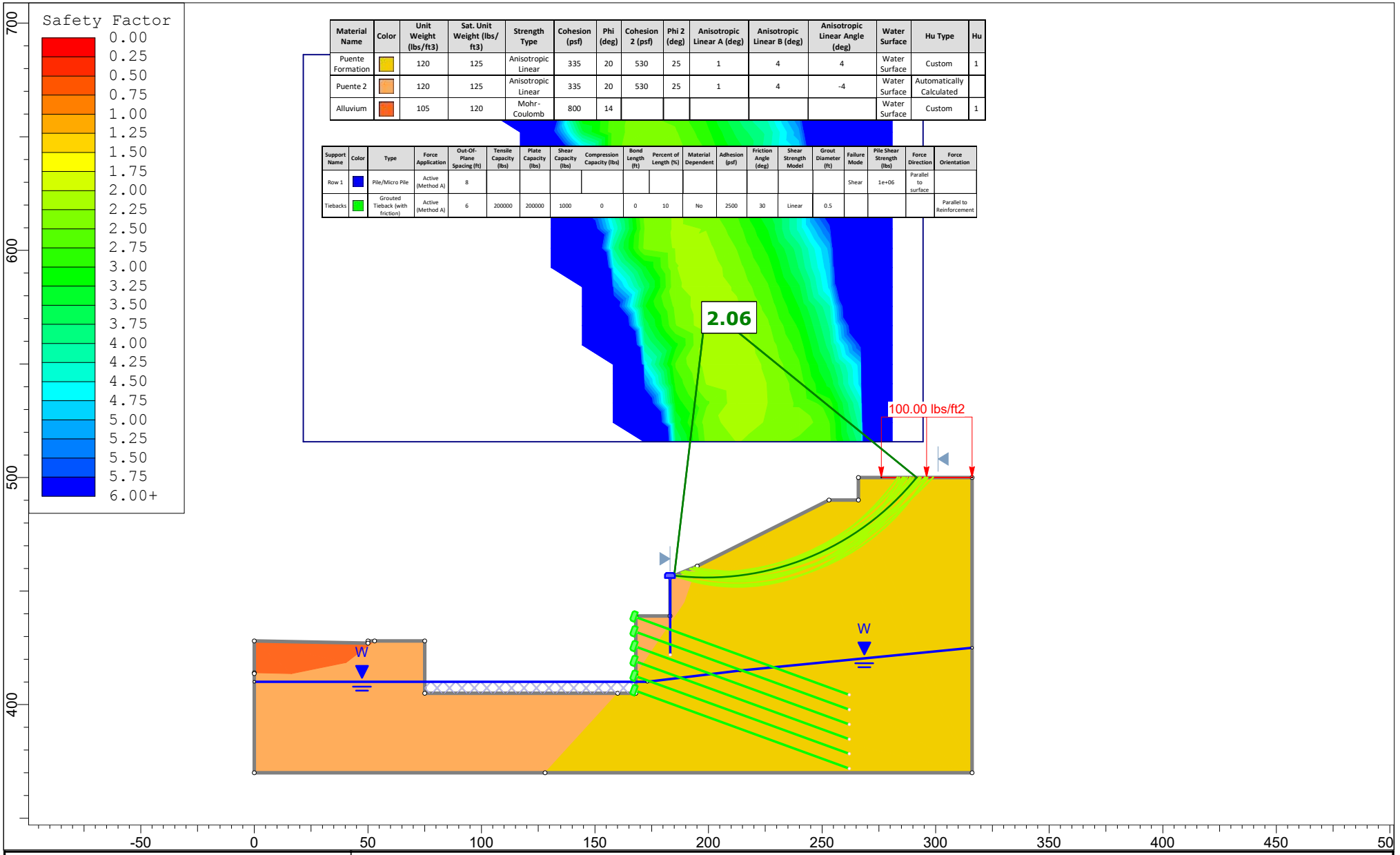
Type	Coordinates (x,y)	Block Static	Block Pstatic	Curved Static	Curved PStatic
Piezoline	0, 410 175, 410 214, 415 306, 425	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation
Block Search Window	195.874, 350.427 212.198, 350.072 213.842, 462.365 194.544, 455.873				
Block Search Window	137.769, 334.501 187.807, 334.856 182.566, 384.502 139.621, 386.054				

Block Search Window	220.041, 348.468 247.661, 347.213 243.581, 474.957 222.238, 464.6				
Block Search Window	253.311, 345.33 283.442, 351.607 281.873, 483.432 252.055, 477.154				
Distributed Load	168.173, 409 75.8372, 409		Constant DistributionOrientation: Normal to boundaryMagnitude: 1100 lbs/ft2Creates Excess Pore Pressure: No		
Block Search Window	194.632, 346.064 214.703, 345.166 212.061, 460.136 191.22, 452.965				
Block Search Window	142.867, 331.744 186.304, 334.44 181.424, 387.634 139.818, 386.636				
Block Search Window	221.921, 348.985 244.33, 349.657 243.882, 473.806 219.904, 462.153				
Block Search Window	252.622, 349.209 286.909, 348.761 290.942, 482.994 252.846, 476.944				

Distributed Load	165.937, 409 75.8873, 409				Constant DistributionOrientation: Normal to boundaryMagnitude: 1100 lbs/ft2Creates Excess Pore Pressure: No

rocscience

20489 GG upd9-2-23 upper
SLIDE - An Interactive Slope Stability Program
Geotechnologies, Inc.
Date Created: 5/10/2017, 12:08:26 AM
Software Version: 9.012

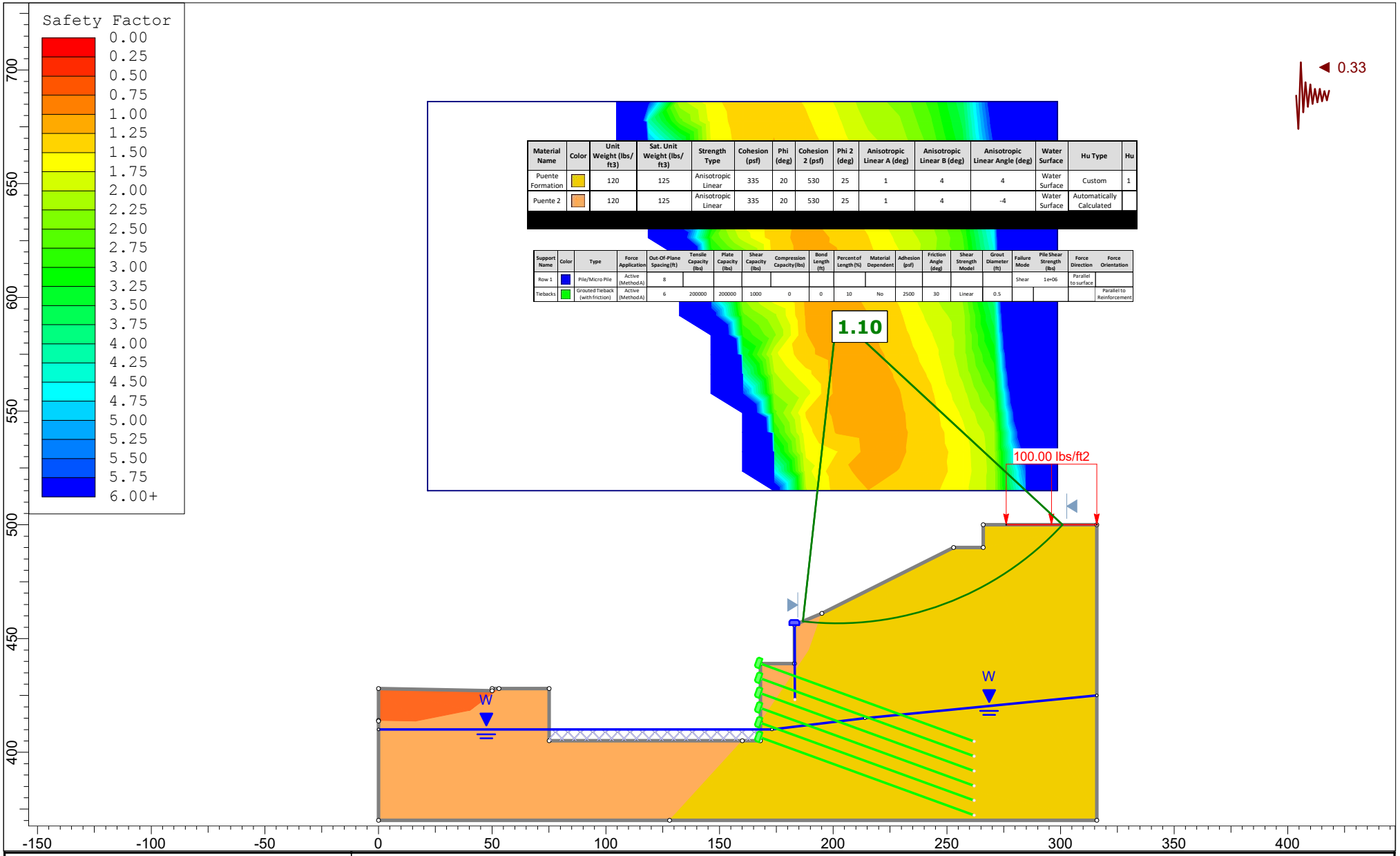


Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Hu Type	Hu
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	Water Surface	Custom	1
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	Water Surface	Automatically Calculated	
Alluvium		105	120	Mohr-Coulomb	800	14						Water Surface	Custom	1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	10	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	*Project*	File No 20486 Aragon- Sunset	
	Analysis	Cross Section G-G"', Proposed Cut	
	Scale	1:700	*Comment 1* Curved Static
	Date	9/5/2023	*Location of Analysis* Proposed Cut

SLIDEINTERPRET 9.012



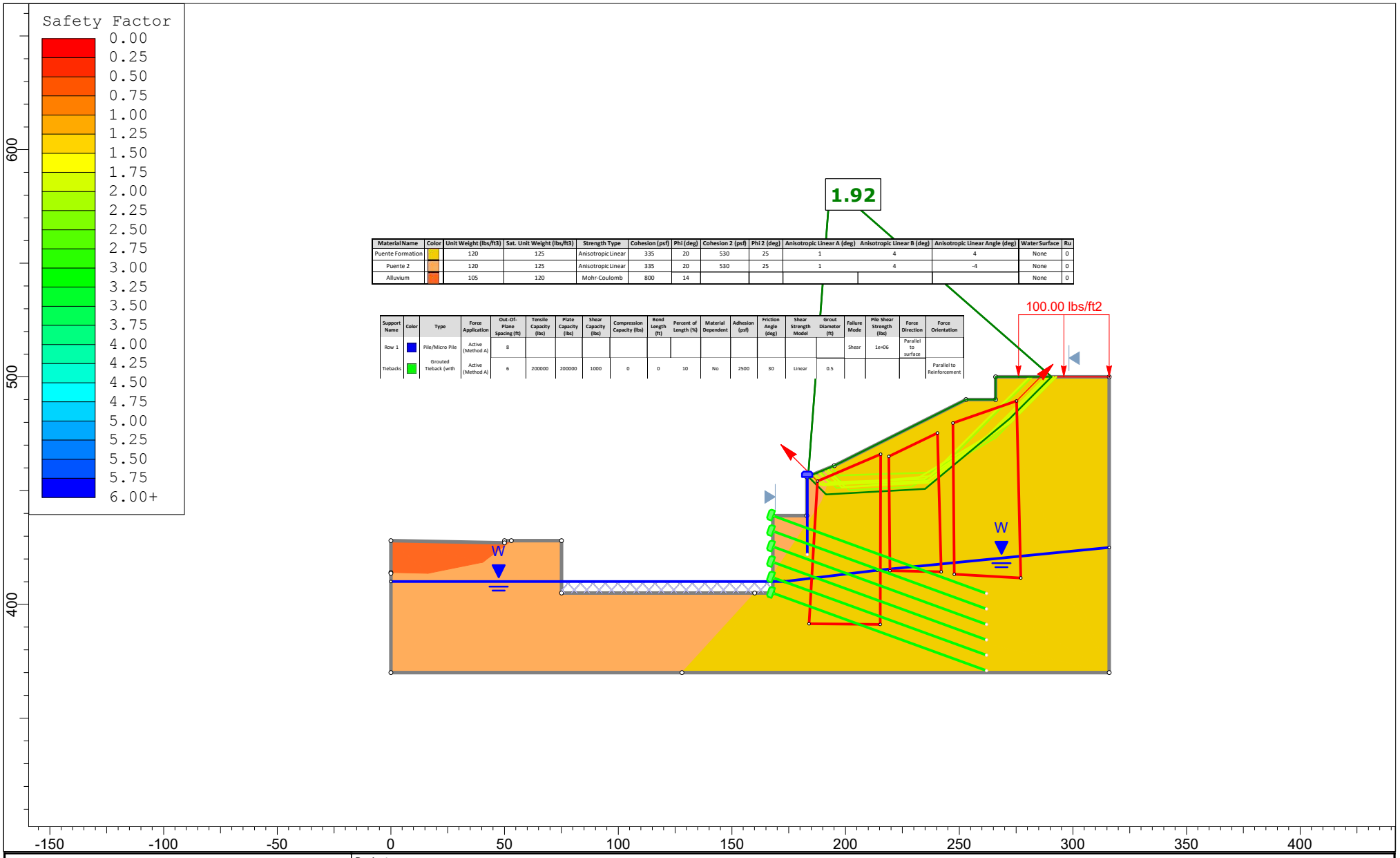
Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Hu Type	Hu
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	Water Surface	Custom	1
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	Water Surface	Automatically Calculated	

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	10	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section G-G"', Proposed Cut		
Scale	1:700	*Comment 1*	Curved Static
Date	9/5/2023	*Location of Analysis*	Proposed Cut

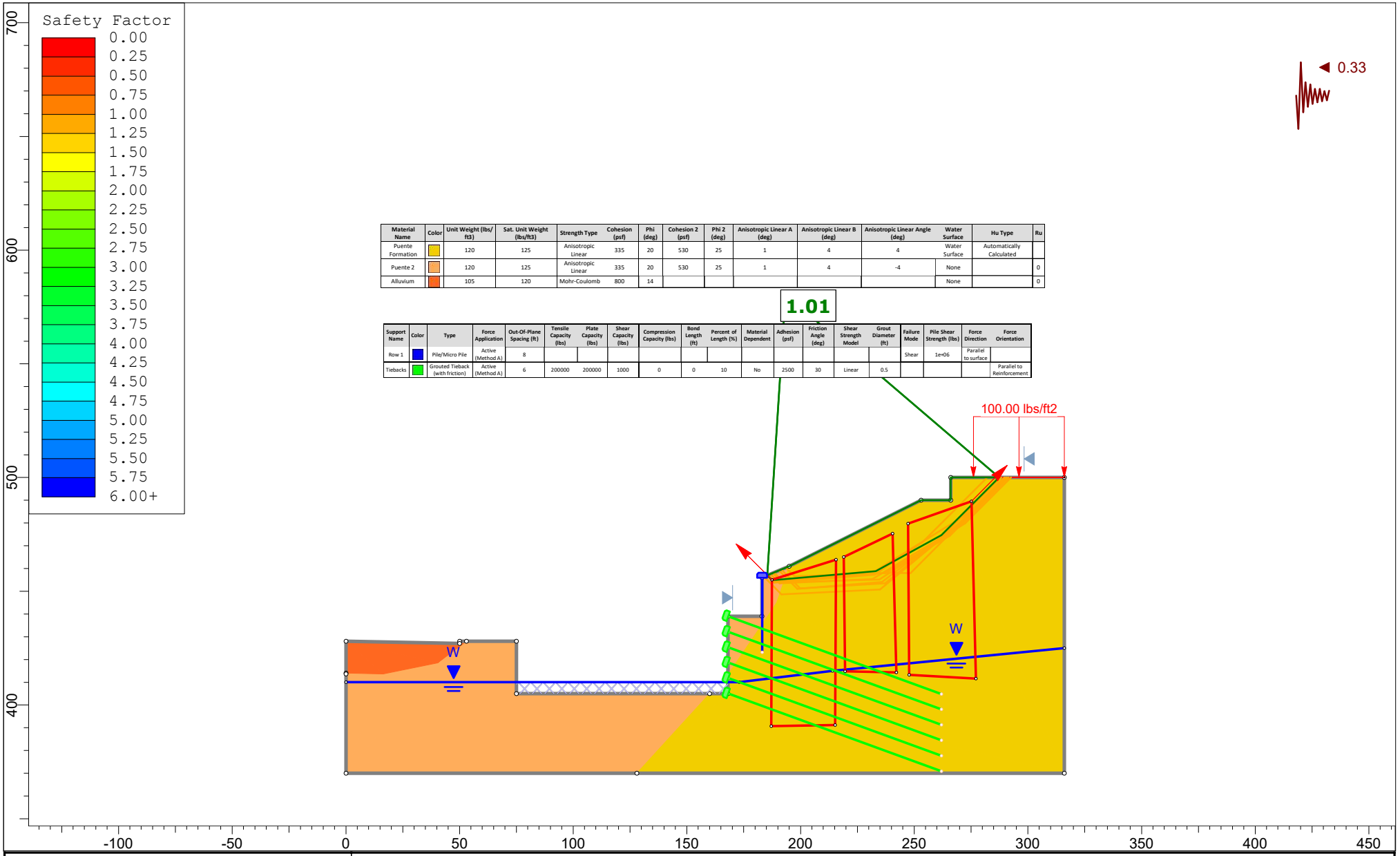


Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Ru
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	None	0
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	None	0
Alluvium		105	120	Mohr-Coulomb	800	14						None	0

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tiebacks		Grouted Tieback (with	Active (Method A)	6	200000	200000	1000	0	0	10	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	*Project*	File No 20486 Aragon- Sunset	
	Analysis	Cross Section G-G''', Upper Slope, Proposed Cut	
	Scale	1:700	*Comment 1* Block Static
	Date	9/5/2023	*Location of Analysis* Proposed Cut

SLIDEINTERPRET 9.012



Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Hu Type	Ru
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	Water Surface	Automatically Calculated	
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	None		0
Alluvium		105	120	Mohr-Coulomb	800	14						None		0

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tiebacks		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	10	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	Project	File No 20486 Aragon- Sunset	
	Analysis	Cross Section G-G''', Upper Slope, Proposed Cut	
	Scale	1:700	Comment 1: Block PStatic
	Date	9/5/2023	Location of Analysis: Proposed Cut

SLIDEINTERPRET 9.012

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Slide Analysis Information

20489 GG upd9-2-23 upper

Project Summary

File Name:	20489 GG upd9-2-23 upper.slmd
Slide Modeler Version:	9.012
Project Title:	SLIDE - An Interactive Slope Stability Program
Author:	RTK
Company:	Geotechnologies, Inc.
Date Created:	5/10/2017, 12:08:26 AM

Currently Open Scenarios

Group Name	Scenario Name	Global Minimum	Compute Time
Curved	Master Scenario	Bishop Simplified: 2.030130 Janbu Simplified: 1.972090	00h:00m:00.467s
	Curved Static	Bishop Simplified: 2.062770 Janbu Simplified: 1.904080	00h:00m:00.578s
	Curved Pstatic	Bishop Simplified: 1.101530 Janbu Simplified: 1.005160	00h:00m:00.571s
	Block Static	Bishop Simplified: 1.915030 Janbu Simplified: 1.819370 Gle/morgenstern-price: 1.971930	00h:00m:01.265s
	Block Psuedostatic	Bishop Simplified: 1.062130 Janbu Simplified: 1.007220 Gle/morgenstern-price: 1.078950	00h:00m:01.870s

General Settings

Units of Measurement:	Imperial Units
Time Units:	days
Permeability Units:	feet/second
Data Output:	Standard
Failure Direction:	Right to Left

Analysis Options

Curved - Block Static

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	GLE/Morgenstern-Price with interslice force function (Half Sine)
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	75
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

All other Scenarios

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	75
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

Groundwater Analysis

All Open Scenarios

Groundwater Method:	Water Surfaces
Pore Fluid Unit Weight [lbs/ft3]:	62.4
Use negative pore pressure cutoff:	Yes
Maximum negative pore pressure [psf]:	0
Advanced Groundwater Method:	None

Random Numbers

All Open Scenarios

Pseudo-random Seed:	10116
Random Number Generation Method:	Park and Miller v.3

Surface Options

Curved - Block Static

Surface Type:	Non-Circular Block Search
Number of Surfaces:	5000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

All other Scenarios

Surface Type:	Circular
Search Method:	Grid Search
Radius Increment:	10
Composite Surfaces:	Disabled
Reverse Curvature:	Invalid Surfaces
Minimum Elevation [ft]:	395
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Seismic Loading

Curved - Master Scenario

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Curved - Curved Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Curved - Curved Pstatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Curved - Block Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Curved - Block Psuedostatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Loading

All Open Scenarios

Distribution:	Constant
Magnitude [psf]:	100
Orientation:	Normal to boundary

Materials

Puente Formation	
Color	
Strength Type	Anisotropic Linear
Unsaturated Unit Weight [lbs/ft3]	120
Saturated Unit Weight [lbs/ft3]	125
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	1
B [deg]	4
Anisotropic Definition	Angle
Angle from 1 [deg]	4
Anisotropic Surface	
Water Surface	Assigned per scenario
Hu Value	Automatically Calculated
Puente 2	
Color	
Strength Type	Anisotropic Linear
Unsaturated Unit Weight [lbs/ft3]	120
Saturated Unit Weight [lbs/ft3]	125
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	1
B [deg]	4
Anisotropic Definition	Angle
Angle from 1 [deg]	-4
Anisotropic Surface	
Water Surface	Assigned per scenario
Ru Value	0
Alluvium	
Color	
Strength Type	Mohr-Coulomb
Unsaturated Unit Weight [lbs/ft3]	105
Saturated Unit Weight [lbs/ft3]	120
Cohesion [psf]	800
Friction Angle [deg]	14
Water Surface	Assigned per scenario
Ru Value	0

Materials In Use

Material	Curved	Curved Static	Curved Pstatic	Block Static	Block Psuedostatic
Puente Formation	✓	✓	✓	✓	✓
Puente 2	✓	✓	✓	✓	✓
Alluvium	✓	✓	✓	✓	✓

Support

Row 1	
Color	
Support Type	Pile/Micro Pile
Force Application	Active
Out-of-Plane Spacing [ft]	8
Failure Mode	Shear
Pile Shear Strength [lb]	1e+06
Force Direction	Parallel to surface

Row 2	
Color	
Support Type	Pile/Micro Pile
Force Application	Active
Out-of-Plane Spacing [ft]	6
Failure Mode	Shear
Pile Shear Strength [lb]	1.2e+06
Force Direction	Parallel to surface

Tiebacks	
Color	
Support Type	Grouted Tieback (with friction)
Force Application	Active
Force Orientation	Parallel to Reinforcement
Bond Length [percent]	10
Out-of-Plane Spacing [ft]	6
Tensile Capacity [lb]	200000
Plate Capacity [lb]	200000
Pullout Strength Adhesion [psf]	2500
Pullout Strength Friction Angle [degrees]	30
Material Dependent	No
Shear Strength Model	Linear
Use External Loads for Strength	yes
Shear Capacity [lb]	1000
Grout Diameter [ft]	0.5

Global Minimums

Curved - Master Scenario

Method: bishop simplified

FS	2.030130
Center:	183.904, 621.223
Radius:	168.731
Left Slip Surface Endpoint:	183.000, 452.494
Right Slip Surface Endpoint:	301.272, 500.000
Left Slope Intercept:	183.000 456.000
Right Slope Intercept:	301.272 500.000
Resisting Moment:	2.76617e+07 lb-ft
Driving Moment:	1.36256e+07 lb-ft
Total Slice Area:	1829.92 ft2
Surface Horizontal Width:	118.272 ft
Surface Average Height:	15.4721 ft

Method: janbu simplified

FS	1.972090
Center:	183.904, 613.107
Radius:	160.250
Left Slip Surface Endpoint:	183.000, 452.860
Right Slip Surface Endpoint:	297.424, 500.000
Left Slope Intercept:	183.000 456.000
Right Slope Intercept:	297.424 500.000
Resisting Horizontal Force:	139122 lb
Driving Horizontal Force:	70545.4 lb
Total Slice Area:	1681.13 ft2
Surface Horizontal Width:	114.424 ft
Surface Average Height:	14.6921 ft

Curved - Curved Static

Method: bishop simplified

FS	2.062770
Center:	198.986, 575.331
Radius:	119.401
Left Slip Surface Endpoint:	184.848, 456.770
Right Slip Surface Endpoint:	291.624, 500.000
Resisting Moment:	1.65683e+07 lb-ft
Driving Moment:	8.03209e+06 lb-ft
Total Slice Area:	1491.39 ft2
Surface Horizontal Width:	106.776 ft
Surface Average Height:	13.9674 ft

Method: janbu simplified

FS	1.904080
Center:	212.631, 532.710
Radius:	80.935
Left Slip Surface Endpoint:	184.750, 456.729
Right Slip Surface Endpoint:	286.662, 500.000
Resisting Horizontal Force:	143379 lb
Driving Horizontal Force:	75300.9 lb
Total Slice Area:	1896.84 ft2
Surface Horizontal Width:	101.912 ft
Surface Average Height:	18.6126 ft

Curved - Curved Pstatic

Method: bishop simplified

FS	1.101530
Center:	201.661, 592.014
Radius:	135.306
Left Slip Surface Endpoint:	186.693, 457.539
Right Slip Surface Endpoint:	300.863, 500.000
Resisting Moment:	1.95619e+07 lb-ft
Driving Moment:	1.77589e+07 lb-ft
Total Slice Area:	1723.31 ft2
Surface Horizontal Width:	114.17 ft
Surface Average Height:	15.0943 ft

Method: janbu simplified

FS	1.005160
Center:	215.511, 549.228
Radius:	96.319
Left Slip Surface Endpoint:	186.396, 457.415
Right Slip Surface Endpoint:	298.300, 500.000
Resisting Horizontal Force:	154061 lb
Driving Horizontal Force:	153270 lb
Total Slice Area:	2185.15 ft2
Surface Horizontal Width:	111.904 ft
Surface Average Height:	19.527 ft

Curved - Block Static

Method: bishop simplified

FS	1.915030
Axis Location:	193.228, 585.154
Left Slip Surface Endpoint:	183.496, 456.207
Right Slip Surface Endpoint:	290.546, 500.000
Resisting Moment:	2.10089e+07 lb-ft
Driving Moment:	1.09705e+07 lb-ft
Total Slice Area:	1976.86 ft2
Surface Horizontal Width:	107.05 ft
Surface Average Height:	18.4666 ft

Method: janbu simplified

FS	1.819370
Axis Location:	193.228, 585.154
Left Slip Surface Endpoint:	183.496, 456.207
Right Slip Surface Endpoint:	290.546, 500.000
Resisting Horizontal Force:	134242 lb
Driving Horizontal Force:	73784.7 lb
Total Slice Area:	1976.86 ft2
Surface Horizontal Width:	107.05 ft
Surface Average Height:	18.4666 ft

Method: gle/morgenstern-price

FS	1.971930
Axis Location:	196.887, 584.887
Left Slip Surface Endpoint:	186.385, 457.411
Right Slip Surface Endpoint:	292.567, 500.000
Resisting Moment:	1.83017e+07 lb-ft
Driving Moment:	9.2811e+06 lb-ft
Resisting Horizontal Force:	123887 lb
Driving Horizontal Force:	62825.5 lb
Total Slice Area:	1692.37 ft2
Surface Horizontal Width:	106.182 ft
Surface Average Height:	15.9384 ft

Curved - Block Psuedostatic

Method: bishop simplified

FS	1.062130
Axis Location:	193.292, 580.441
Left Slip Surface Endpoint:	185.340, 456.975
Right Slip Surface Endpoint:	287.294, 500.000
Resisting Moment:	1.42717e+07 lb-ft
Driving Moment:	1.34369e+07 lb-ft
Total Slice Area:	1396.54 ft2
Surface Horizontal Width:	101.954 ft
Surface Average Height:	13.6978 ft

Method: janbu simplified

FS	1.007220
Axis Location:	193.292, 580.441
Left Slip Surface Endpoint:	185.340, 456.975
Right Slip Surface Endpoint:	287.294, 500.000
Resisting Horizontal Force:	99656.9 lb
Driving Horizontal Force:	98942.2 lb
Total Slice Area:	1396.54 ft2
Surface Horizontal Width:	101.954 ft
Surface Average Height:	13.6978 ft

Method: gle/morgenstern-price

FS	1.078950
Axis Location:	193.292, 580.441
Left Slip Surface Endpoint:	185.340, 456.975
Right Slip Surface Endpoint:	287.294, 500.000
Resisting Moment:	1.41609e+07 lb-ft
Driving Moment:	1.31247e+07 lb-ft
Resisting Horizontal Force:	100642 lb
Driving Horizontal Force:	93277.7 lb
Total Slice Area:	1396.54 ft2
Surface Horizontal Width:	101.954 ft
Surface Average Height:	13.6978 ft

Global Minimum Coordinates

Curved - Block Static

Method: bishop simplified

X	Y
183.496	456.207
191.428	448.274
234.938	450.729
272.196	481.649
290.546	500

Method: janbu simplified

X	Y
183.496	456.207
191.428	448.274
234.938	450.729
272.196	481.649
290.546	500

Method: gle/morgenstern-price

X	Y
186.385	457.411
190.831	452.965
231.481	455.289
272.388	479.821
292.567	500

Curved - Block Psuedostatic

Method: bishop simplified

X	Y
185.34	456.975
187.498	454.818
233.066	458.84
261.992	474.698
287.294	500

Method: janbu simplified

X	Y
185.34	456.975
187.498	454.818
233.066	458.84
261.992	474.698
287.294	500

Method: gle/morgenstern-price

X	Y
185.34	456.975
187.498	454.818
233.066	458.84
261.992	474.698
287.294	500

Global Minimum Support Data

Curved - Master Scenario

Method: bishop simplified

Number of Supports: 2

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.124, 451.843	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Row 2

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168.084, 439.15	60	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: janbu simplified

Number of Supports: 2

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.124, 451.843	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Row 2

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168.084, 439.15	60	Not Effective	Not Effective	Not Effective	Not Effective	0

Curved - Curved Static

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.03, 455.934	34.0911	Not Effective	Not Effective	Not Effective	Not Effective	0
Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 438.488	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 431.991	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.493	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.996	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 412.499	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 406.002	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.03, 455.934	34.0911	Not Effective	Not Effective	Not Effective	Not Effective	0
Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 438.488	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 431.991	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.493	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.996	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 412.499	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 406.002	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Curved - Curved Pstatic

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
182.917, 456.086	32.95	Not Effective	Not Effective	Not Effective	Not Effective	0
Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 438.94	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.443	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.946	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 419.448	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 412.951	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 406.454	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
182.917, 456.086	32.95	Not Effective	Not Effective	Not Effective	Not Effective	0
Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 438.94	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.443	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.946	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 419.448	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 412.951	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 406.454	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Curved - Block Static

Method: bishop simplified

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.2	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.4	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.6	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 411.8	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 405	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: janbu simplified

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.2	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.4	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.6	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 411.8	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 405	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: gle/morgenstern-price

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.2	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.4	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.6	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 411.8	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 405	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Curved - Block Psuedostatic

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.068, 456.07	32.8977	Not Effective	Not Effective	Not Effective	Not Effective	0
Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.205	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.411	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.616	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 411.821	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 405.026	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.068, 456.07	32.8977	Not Effective	Not Effective	Not Effective	Not Effective	0
Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.205	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.411	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.616	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 411.821	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 405.026	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: gle/morgenstern-price

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.068, 456.07	32.8977	Not Effective	Not Effective	Not Effective	Not Effective	0

Tiebacks						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 432.205	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 425.411	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 418.616	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 411.821	100	Not Effective	Not Effective	Not Effective	Not Effective	0
168, 405.026	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Valid and Invalid Surfaces

Curved - Master Scenario

Method: bishop simplified

Number of Valid Surfaces:	2776
Number of Invalid Surfaces:	6485
Error Codes	
Error Code -106 reported for 358 surfaces	
Error Code -107 reported for 4510 surfaces	
Error Code -1000 reported for 1617 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	2544
Number of Invalid Surfaces:	6717
Error Codes	
Error Code -106 reported for 351 surfaces	
Error Code -107 reported for 4510 surfaces	
Error Code -111 reported for 239 surfaces	
Error Code -1000 reported for 1617 surfaces	

Curved - Curved Static

Method: bishop simplified

Number of Valid Surfaces:	4993
Number of Invalid Surfaces:	4268
Error Codes	
Error Code -106 reported for 179 surfaces	
Error Code -108 reported for 603 surfaces	
Error Code -1000 reported for 3486 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	4755
Number of Invalid Surfaces:	4506
Error Codes	
Error Code -106 reported for 178 surfaces	
Error Code -108 reported for 706 surfaces	
Error Code -111 reported for 136 surfaces	
Error Code -1000 reported for 3486 surfaces	

Curved - Curved Pstatic

Method: bishop simplified

Number of Valid Surfaces:	5418
Number of Invalid Surfaces:	3843
Error Codes	
Error Code -102 reported for 22 surfaces	
Error Code -106 reported for 186 surfaces	
Error Code -108 reported for 170 surfaces	
Error Code -1000 reported for 3465 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	5259
Number of Invalid Surfaces:	4002

Error Codes

Error Code -102 reported for 22 surfaces
Error Code -106 reported for 186 surfaces
Error Code -108 reported for 237 surfaces
Error Code -111 reported for 92 surfaces
Error Code -1000 reported for 3465 surfaces

Curved - Block Static

Method: bishop simplified

Number of Valid Surfaces:	1677
Number of Invalid Surfaces:	3323

Error Codes

Error Code -108 reported for 9 surfaces
Error Code -111 reported for 3305 surfaces
Error Code -112 reported for 9 surfaces

Method: janbu simplified

Number of Valid Surfaces:	1759
Number of Invalid Surfaces:	3241

Error Codes

Error Code -108 reported for 15 surfaces
Error Code -111 reported for 3223 surfaces
Error Code -112 reported for 3 surfaces

Method: gle/morgenstern-price

Number of Valid Surfaces:	910
Number of Invalid Surfaces:	4090

Error Codes

Error Code -108 reported for 31 surfaces
Error Code -111 reported for 4056 surfaces
Error Code -112 reported for 3 surfaces

Curved - Block Psuedostatic

Method: bishop simplified

Number of Valid Surfaces:	3599
Number of Invalid Surfaces:	1401

Error Codes

Error Code -108 reported for 8 surfaces
Error Code -111 reported for 1376 surfaces
Error Code -112 reported for 17 surfaces

Method: janbu simplified

Number of Valid Surfaces:	2809
Number of Invalid Surfaces:	2191

Error Codes

Error Code -108 reported for 17 surfaces
Error Code -111 reported for 2171 surfaces
Error Code -112 reported for 3 surfaces

Method: gle/morgenstern-price

Number of Valid Surfaces:	740
Number of Invalid Surfaces:	4260

Error Codes

Error Code -108 reported for 43 surfaces
Error Code -111 reported for 4214 surfaces
Error Code -112 reported for 3 surfaces

Error Code Descriptions

The following errors were encountered during the computation:
-102 = Two surface / slope intersections, but resulting arc is actually outside soil region.
-106 = Average slice width is less than 0.0001 * (maximum horizontal extent of soil region). This limitation is imposed to avoid numerical errors which may result from too many slices, or too small a slip region.
-107 = Total driving moment or total driving force is negative. This will occur if the wrong failure direction is specified, or if high external or anchor loads are applied against the failure direction.
-108 = Total driving moment or total driving force < 0.1. This is to limit the calculation of extremely high safety factors if the driving force is very small (0.1 is an arbitrary number).
-111 = Safety factor equation did not converge
-112 = The coefficient M-Alpha = cos(alpha)(1+tan(alpha)tan(phi)/F) < 0.2 for the final iteration of the safety factor calculation. This screens out some slip surfaces which may not be valid in the context of the analysis, in particular, deep seated slip surfaces with many high negative base angle slices in the passive zone.
-1000 = No valid slip surface is generated

Slice Data

Curved - Master Scenario

Global Minimum Query (bishop simplified) - Safety Factor: 2.03013

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.28593	1091.92	0.0810848	Puente 2	530	25	370.664	752.497	477.145	0	477.145	477.669	477.669
2	2.28593	1348.06	0.857365	Puente 2	530	25	395.164	802.235	583.811	0	583.811	589.725	589.725
3	2.28593	1595.7	1.6338	Puente 2	530	25	418.664	849.942	686.116	0	686.116	698.057	698.057
4	2.28593	1834.83	2.41054	Puente 2	530	25	441.17	895.633	784.102	0	784.102	802.674	802.674
5	2.37236	2147.89	3.20243	Puente Formation	335	20	324.086	657.936	887.261	0	887.261	905.394	905.394
6	2.37236	2404.56	4.00963	Puente Formation	335	20	342.431	695.18	989.586	0	989.586	1013.59	1013.59
7	2.37236	2688.94	4.81763	Puente Formation	335	20	362.745	736.42	1102.89	0	1102.89	1133.47	1133.47
8	2.37236	2964.9	5.62659	Puente Formation	375.729	21.0739	414.551	841.592	1208.95	0	1208.95	1249.79	1249.79
9	2.37236	3231.21	6.43668	Puente Formation	428.384	22.4396	477.14	968.656	1308.23	0	1308.23	1362.06	1362.06
10	2.37236	3487.86	7.24807	Puente Formation	481.124	23.7811	541.182	1098.67	1401.42	0	1401.42	1470.25	1470.25
11	2.37236	3734.77	8.06092	Puente Formation	530	25	603.064	1224.3	1488.93	0	1488.93	1574.33	1574.33
12	2.37236	3971.9	8.8754	Puente Formation	530	25	623.286	1265.35	1576.97	0	1576.97	1674.3	1674.3
13	2.37236	4199.18	9.6917	Puente Formation	530	25	642.448	1304.25	1660.39	0	1660.39	1770.11	1770.11
14	2.37236	4416.54	10.51	Puente Formation	530	25	660.549	1341	1739.19	0	1739.19	1861.74	1861.74
15	2.37236	4623.92	11.3305	Puente Formation	530	25	677.591	1375.6	1813.39	0	1813.39	1949.16	1949.16
16	2.37236	4821.22	12.1533	Puente Formation	530	25	693.573	1408.04	1882.97	0	1882.97	2032.34	2032.34
17	2.37236	5008.35	12.9787	Puente Formation	530	25	708.495	1438.34	1947.93	0	1947.93	2111.22	2111.22
18	2.37236	5185.22	13.8068	Puente Formation	530	25	722.354	1466.47	2008.27	0	2008.27	2185.79	2185.79
19	2.37236	5351.72	14.6379	Puente Formation	530	25	735.148	1492.45	2063.97	0	2063.97	2255.98	2255.98
20	2.37236	5507.74	15.4721	Puente Formation	530	25	746.873	1516.25	2115.02	0	2115.02	2321.75	2321.75
21	2.37236	5653.14	16.3097	Puente Formation	530	25	757.528	1537.88	2161.4	0	2161.4	2383.05	2383.05
22	2.37236	5787.8	17.151	Puente Formation	530	25	767.104	1557.32	2203.08	0	2203.08	2439.82	2439.82
23	2.37236	5911.58	17.996	Puente Formation	530	25	775.596	1574.56	2240.06	0	2240.06	2492.01	2492.01
24	2.37236	6024.32	18.8451	Puente Formation	530	25	782.999	1589.59	2272.29	0	2272.29	2539.54	2539.54
25	2.37236	6125.85	19.6986	Puente Formation	530	25	789.304	1602.39	2299.75	0	2299.75	2582.34	2582.34
26	2.37236	6216	20.5566	Puente Formation	530	25	794.506	1612.95	2322.4	0	2322.4	2620.35	2620.35
27	2.37236	6294.58	21.4194	Puente Formation	530	25	798.599	1621.26	2340.21	0	2340.21	2653.49	2653.49
28	2.37236	6361.39	22.2874	Puente Formation	530	25	801.564	1627.28	2353.11	0	2353.11	2681.65	2681.65
29	2.37236	6416.2	23.1608	Puente Formation	530	25	803.392	1630.99	2361.09	0	2361.09	2704.77	2704.77
30	2.37236	6438.38	24.04	Puente Formation	530	25	802.284	1628.74	2356.25	0	2356.25	2714.12	2714.12
31	2.37236	6202.66	24.9252	Puente Formation	530	25	778.556	1580.57	2252.95	0	2252.95	2614.76	2614.76

32	2.37236	5882.36	25.8168	Puente Formation	530	25	747.579	1517.68	2118.09	0	2118.09	2479.76	2479.76
33	2.37236	5549.05	26.7152	Puente Formation	530	25	715.649	1452.86	1979.08	0	1979.08	2339.25	2339.25
34	2.37236	5202.41	27.6207	Puente Formation	530	25	682.757	1386.09	1835.88	0	1835.88	2193.14	2193.14
35	2.37236	4842.11	28.5338	Puente Formation	530	25	648.891	1317.33	1688.44	0	1688.44	2041.26	2041.26
36	2.37236	6938.71	29.4549	Puente Formation	530	25	825.819	1676.52	2458.72	0	2458.72	2925.09	2925.09
37	2.37236	6925.93	30.3844	Puente Formation	530	25	821.12	1666.98	2438.26	0	2438.26	2919.71	2919.71
38	2.37236	6522.44	31.3228	Puente Formation	530	25	783.167	1589.93	2273.02	0	2273.02	2749.62	2749.62
39	2.37236	6103.7	32.2707	Puente Formation	530	25	744.16	1510.74	2103.21	0	2103.21	2573.12	2573.12
40	2.37236	5669.25	33.2286	Puente Formation	530	25	716.477	1454.54	1982.69	0	1982.69	2452.05	2452.05
41	2.37236	5218.57	34.1972	Puente Formation	530	25	682.792	1386.16	1836.03	0	1836.03	2300.01	2300.01
42	2.37236	4751.1	35.1769	Puente Formation	530	25	640.422	1300.14	1651.57	0	1651.57	2102.95	2102.95
43	2.37236	4266.23	36.1687	Puente Formation	530	25	596.921	1211.83	1462.18	0	1462.18	1898.56	1898.56
44	2.37236	3763.3	37.1731	Puente Formation	530	25	552.266	1121.17	1267.77	0	1267.77	1686.56	1686.56
45	2.37236	3241.58	38.1911	Puente Formation	530	25	506.433	1028.13	1068.23	0	1068.23	1466.63	1466.63
46	2.37236	2700.3	39.2236	Puente Formation	530	25	459.398	932.638	863.461	0	863.461	1238.45	1238.45
47	2.37236	2138.57	40.2714	Puente Formation	530	25	411.135	834.657	653.34	0	653.34	1001.66	1001.66
48	2.37236	1555.45	41.3358	Puente Formation	530	25	361.615	734.126	437.749	0	437.749	755.836	755.836
49	2.37236	949.867	42.4179	Puente Formation	530	25	310.811	630.986	216.566	0	216.566	500.553	500.553
50	2.37236	320.663	43.519	Puente Formation	530	25	258.691	525.177	-10.3435	0	-10.3435	235.308	235.308

Global Minimum Query (janbu simplified) - Safety Factor: 1.97209

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.31887	1007.7	0.0912652	Puente 2	530	25	371.365	732.366	433.974	0	433.974	434.565	434.565
2	2.31887	1270.86	0.920415	Puente 2	530	25	396.83	782.585	541.668	0	541.668	548.044	548.044
3	2.31887	1524.68	1.74976	Puente 2	530	25	421.175	830.595	644.63	0	644.63	657.496	657.496
4	2.31887	1769.15	2.57947	Puente 2	530	25	444.409	876.415	742.889	0	742.889	762.91	762.91
5	2.28584	1974.12	3.4038	Puente Formation	335	20	325.683	642.276	844.231	0	844.231	863.602	863.602
6	2.28584	2210.64	4.22292	Puente Formation	335	20	343.669	677.747	941.692	0	941.692	967.068	967.068
7	2.28584	2472.37	5.04291	Puente Formation	337.789	20.074	365.72	721.233	1049.28	0	1049.28	1081.56	1081.56
8	2.28584	2726.01	5.86393	Puente Formation	391.156	21.4767	427.497	843.062	1148.6	0	1148.6	1192.51	1192.51
9	2.28584	2970.57	6.68617	Puente Formation	444.601	22.8549	490.881	968.061	1241.93	0	1241.93	1299.47	1299.47
10	2.28584	3205.99	7.50979	Puente Formation	498.136	24.208	555.616	1095.73	1329.2	0	1329.2	1402.45	1402.45
11	2.28584	3432.24	8.33497	Puente Formation	530	25	602.877	1188.93	1413.08	0	1413.08	1501.4	1501.4
12	2.28584	3649.25	9.1619	Puente Formation	530	25	622.468	1227.56	1495.93	0	1495.93	1596.32	1596.32
13	2.28584	3856.96	9.99076	Puente Formation	530	25	640.99	1264.09	1574.26	0	1574.26	1687.18	1687.18
14	2.28584	4055.31	10.8217	Puente Formation	530	25	658.442	1298.51	1648.07	0	1648.07	1773.93	1773.93
15	2.28584	4244.22	11.655	Puente Formation	530	25	674.826	1330.82	1717.36	0	1717.36	1856.56	1856.56
16	2.28584	4423.61	12.4908	Puente Formation	530	25	690.142	1361.02	1782.13	0	1782.13	1935.02	1935.02
17	2.28584	4593.39	13.3293	Puente Formation	530	25	704.388	1389.12	1842.38	0	1842.38	2009.27	2009.27
18	2.28584	4753.45	14.1708	Puente Formation	530	25	717.562	1415.1	1898.1	0	1898.1	2079.28	2079.28
19	2.28584	4903.71	15.0153	Puente Formation	530	25	729.662	1438.96	1949.27	0	1949.27	2144.99	2144.99
20	2.28584	5044.03	15.8632	Puente Formation	530	25	740.684	1460.7	1995.88	0	1995.88	2206.36	2206.36
21	2.28584	5174.3	16.7147	Puente Formation	530	25	750.624	1480.3	2037.92	0	2037.92	2263.33	2263.33
22	2.28584	5294.4	17.57	Puente Formation	530	25	759.478	1497.76	2075.37	0	2075.37	2315.85	2315.85
23	2.28584	5404.16	18.4294	Puente Formation	530	25	767.238	1513.06	2108.18	0	2108.18	2363.85	2363.85
24	2.28584	5503.45	19.2931	Puente Formation	530	25	773.899	1526.2	2136.35	0	2136.35	2407.26	2407.26
25	2.28584	5592.11	20.1614	Puente Formation	530	25	779.452	1537.15	2159.84	0	2159.84	2446.03	2446.03
26	2.28584	5669.94	21.0345	Puente Formation	530	25	783.889	1545.9	2178.61	0	2178.61	2480.06	2480.06
27	2.28584	5736.78	21.9128	Puente Formation	530	25	787.205	1552.44	2192.62	0	2192.62	2509.28	2509.28
28	2.28584	5792.41	22.7965	Puente Formation	530	25	789.381	1556.73	2201.83	0	2201.83	2533.6	2533.6
29	2.28584	5836.63	23.686	Puente Formation	530	25	790.41	1558.76	2206.18	0	2206.18	2552.92	2552.92
30	2.28584	5869.19	24.5816	Puente Formation	530	25	790.278	1558.5	2205.63	0	2205.63	2567.14	2567.14
31	2.28584	5860.26	25.4837	Puente Formation	530	25	786.227	1550.51	2188.49	0	2188.49	2563.22	2563.22
32	2.28584	5605.39	26.3926	Puente Formation	530	25	759.365	1497.54	2074.89	0	2074.89	2451.72	2451.72
33	2.28584	5287.94	27.3087	Puente Formation	530	25	726.887	1433.49	1937.53	0	1937.53	2312.85	2312.85
34	2.28584	4957.74	28.2324	Puente Formation	530	25	693.438	1367.52	1796.07	0	1796.07	2168.4	2168.4
35	2.28584	4614.46	29.1642	Puente Formation	530	25	659.007	1299.62	1650.45	0	1650.45	2018.22	2018.22

36	2.28584	4257.74	30.1045	Puente Formation	530	25	623.58	1229.76	1500.63	0	1500.63	1862.18	1862.18
37	2.28584	5937.14	31.0539	Puente Formation	530	25	772.736	1523.9	2131.43	0	2131.43	2596.73	2596.73
38	2.28584	6245.44	32.0128	Puente Formation	530	25	796.845	1571.45	2233.39	0	2233.39	2731.56	2731.56
39	2.28584	5845.99	32.9819	Puente Formation	530	25	757.138	1493.14	2065.47	0	2065.47	2556.82	2556.82
40	2.28584	5431.38	33.9618	Puente Formation	530	25	716.349	1412.7	1892.96	0	1892.96	2375.45	2375.45
41	2.28584	5001.09	34.953	Puente Formation	530	25	681.338	1343.66	1744.9	0	1744.9	2221.15	2221.15
42	2.28584	4554.54	35.9565	Puente Formation	530	25	651.616	1285.05	1619.2	0	1619.2	2091.87	2091.87
43	2.28584	4091.12	36.9728	Puente Formation	530	25	607.339	1197.73	1431.95	0	1431.95	1889.16	1889.16
44	2.28584	3610.15	38.0029	Puente Formation	530	25	561.888	1108.09	1239.73	0	1239.73	1678.77	1678.77
45	2.28584	3110.89	39.0477	Puente Formation	530	25	515.239	1016.1	1042.44	0	1042.44	1460.38	1460.38
46	2.28584	2592.51	40.1081	Puente Formation	530	25	467.364	921.683	839.965	0	839.965	1233.64	1233.64
47	2.28584	2054.13	41.1854	Puente Formation	530	25	418.235	824.797	632.193	0	632.193	998.142	998.142
48	2.28584	1494.74	42.2808	Puente Formation	530	25	367.824	725.383	419	0	419	753.468	753.468
49	2.28584	913.249	43.3955	Puente Formation	530	25	316.101	623.379	200.252	0	200.252	499.126	499.126
50	2.28584	308.415	44.5311	Puente Formation	530	25	263.032	518.723	-24.183	0	-24.183	234.579	234.579

Curved - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.06277

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.11385	141.261	-6.29004	Puente 2	418.853	22.1943	221.087	456.052	91.1797	0	91.1797	66.8103	66.8103
2	2.11385	418.964	-5.27045	Puente 2	352.579	20.4654	210.29	433.781	217.585	0	217.585	198.186	198.186
3	2.11385	687.05	-4.25252	Puente 2	335	20	222.672	459.321	341.569	0	341.569	325.012	325.012
4	2.11385	945.562	-3.23594	Puente 2	335	20	243.761	502.823	461.089	0	461.089	447.307	447.307
5	2.13741	1210.16	-2.21473	Puente Formation	530	25	388.32	801.014	581.19	0	581.19	566.172	566.172
6	2.13741	1486.17	-1.18856	Puente Formation	530	25	416.068	858.253	703.939	0	703.939	695.307	695.307
7	2.13741	1766.75	-0.162774	Puente Formation	530	25	444.078	916.03	827.844	0	827.844	826.583	826.583
8	2.13741	2037.51	0.86296	Puente Formation	473.908	23.599	430.261	887.529	946.782	0	946.782	953.263	953.263
9	2.13741	2298.45	1.88897	Puente Formation	407.217	21.8937	404.316	834.01	1062.02	0	1062.02	1075.35	1075.35
10	2.13741	2549.56	2.91559	Puente Formation	340.487	20.1455	373.815	771.095	1173.8	0	1173.8	1192.84	1192.84
11	2.13741	2790.82	3.94314	Puente Formation	335	20	388.073	800.506	1278.97	0	1278.97	1305.72	1305.72
12	2.13741	3022.19	4.97197	Puente Formation	335	20	405.667	836.798	1378.68	0	1378.68	1413.97	1413.97
13	2.13741	3243.63	6.00241	Puente Formation	400.157	21.7107	477.235	984.426	1467.4	0	1467.4	1517.58	1517.58
14	2.13741	3455.09	7.0348	Puente Formation	467.262	23.4311	551.843	1138.33	1548.43	0	1548.43	1616.53	1616.53
15	2.13741	3656.52	8.06949	Puente Formation	530	25	623.684	1286.52	1622.36	0	1622.36	1710.78	1710.78
16	2.13741	3847.82	9.10684	Puente Formation	530	25	640.692	1321.6	1697.6	0	1697.6	1800.3	1800.3
17	2.13741	4028.94	10.1472	Puente Formation	530	25	656.504	1354.22	1767.54	0	1767.54	1885.04	1885.04
18	2.13741	4199.76	11.191	Puente Formation	530	25	671.12	1384.37	1832.19	0	1832.19	1964.97	1964.97
19	2.13741	4360.18	12.2385	Puente Formation	530	25	684.538	1412.04	1891.55	0	1891.55	2040.04	2040.04
20	2.13741	4510.09	13.2902	Puente Formation	530	25	696.756	1437.25	1945.6	0	1945.6	2110.18	2110.18
21	2.13741	4649.34	14.3465	Puente Formation	530	25	707.77	1459.97	1994.32	0	1994.32	2175.34	2175.34
22	2.13741	4777.8	15.4078	Puente Formation	530	25	717.575	1480.19	2037.69	0	2037.69	2235.45	2235.45
23	2.13741	4895.31	16.4746	Puente Formation	530	25	726.164	1497.91	2075.69	0	2075.69	2290.44	2290.44
24	2.13741	5001.68	17.5472	Puente Formation	530	25	733.53	1513.1	2108.27	0	2108.27	2340.22	2340.22
25	2.13741	5096.73	18.6263	Puente Formation	530	25	739.662	1525.75	2135.4	0	2135.4	2384.7	2384.7
26	2.13741	5180.24	19.7122	Puente Formation	530	25	744.547	1535.83	2157.01	0	2157.01	2423.78	2423.78
27	2.13741	5251.98	20.8056	Puente Formation	530	25	748.178	1543.32	2173.07	0	2173.07	2457.36	2457.36
28	2.13741	5311.71	21.907	Puente Formation	530	25	750.534	1548.18	2183.49	0	2183.49	2485.31	2485.31
29	2.13741	5359.14	23.0169	Puente Formation	530	25	751.601	1550.38	2188.22	0	2188.22	2507.51	2507.51
30	2.13741	5393.98	24.1361	Puente Formation	530	25	751.363	1549.89	2187.16	0	2187.16	2523.82	2523.82
31	2.13741	5415.9	25.2651	Puente Formation	530	25	749.793	1546.65	2180.22	0	2180.22	2534.09	2534.09
32	2.13741	5423.86	26.4048	Puente Formation	530	25	746.811	1540.5	2167.03	0	2167.03	2537.83	2537.83
33	2.13741	5263.14	27.5558	Puente Formation	530	25	727.788	1501.26	2082.87	0	2082.87	2462.64	2462.64
34	2.13741	4969.91	28.7191	Puente Formation	530	25	696.372	1436.46	1943.9	0	1943.9	2325.45	2325.45

35	2.13741	4662.13	29.8954	Puente Formation	530	25	663.803	1369.27	1799.82	0	1799.82	2181.46	2181.46
36	2.13741	4339.28	31.0858	Puente Formation	530	25	630.057	1299.66	1650.55	0	1650.55	2030.41	2030.41
37	2.13741	4000.79	32.2913	Puente Formation	530	25	595.11	1227.58	1495.95	0	1495.95	1872.04	1872.04
38	2.13741	3646.04	33.513	Puente Formation	530	25	558.935	1152.95	1335.93	0	1335.93	1706.06	1706.06
39	2.13741	5809.46	34.7523	Puente Formation	530	25	753.298	1553.88	2195.71	0	2195.71	2718.33	2718.33
40	2.13741	5449.84	36.0105	Puente Formation	530	25	715.796	1476.52	2029.82	0	2029.82	2550.08	2550.08
41	2.13741	5041.87	37.2891	Puente Formation	530	25	674.198	1390.72	1845.81	0	1845.81	2359.21	2359.21
42	2.13741	4614.4	38.5898	Puente Formation	530	25	631.181	1301.98	1655.52	0	1655.52	2159.2	2159.2
43	2.13741	4166.35	39.9145	Puente Formation	530	25	591.915	1220.99	1481.82	0	1481.82	1976.99	1976.99
44	2.13741	3696.52	41.2654	Puente Formation	530	25	559.574	1154.27	1338.76	0	1338.76	1829.76	1829.76
45	2.13741	3203.54	42.6449	Puente Formation	530	25	511.859	1055.85	1127.68	0	1127.68	1599.11	1599.11
46	2.13741	2685.86	44.0557	Puente Formation	530	25	462.51	954.051	909.381	0	909.381	1356.89	1356.89
47	2.13741	2141.69	45.5011	Puente Formation	530	25	411.46	848.748	683.559	0	683.559	1102.28	1102.28
48	2.13741	1568.96	46.9845	Puente Formation	530	25	358.642	739.796	449.911	0	449.911	834.299	834.299
49	2.13741	965.229	48.5104	Puente Formation	530	25	303.979	627.039	208.101	0	208.101	551.813	551.813
50	2.13741	327.645	50.0838	Puente Formation	530	25	247.391	510.311	-42.2224	0	-42.2224	253.484	253.484

Global Minimum Query (janbu simplified) - Safety Factor: 1.90408

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.98415	181.631	-19.406	Puente 2	530	25	329.164	626.754	207.489	0	207.489	91.5337	91.5337
2	1.98415	538.083	-17.9232	Puente 2	530	25	374.42	712.925	392.285	0	392.285	271.183	271.183
3	1.98415	881.081	-16.4527	Puente 2	530	25	417.276	794.527	567.279	0	567.279	444.051	444.051
4	1.98415	1210.94	-14.9933	Puente 2	530	25	457.842	871.767	732.923	0	732.923	610.303	610.303
5	2.04294	1577.86	-13.5225	Puente Formation	530	25	496.752	945.856	891.809	0	891.809	772.343	772.343
6	2.04294	1915.88	-12.0393	Puente Formation	530	25	536.011	1020.61	1052.12	0	1052.12	937.798	937.798
7	2.04294	2266.04	-10.5643	Puente Formation	530	25	576.313	1097.35	1216.68	0	1216.68	1109.2	1109.2
8	2.04294	2603.25	-9.09631	Puente Formation	530	25	614.51	1170.08	1372.65	0	1372.65	1274.26	1274.26
9	2.04294	2927.33	-7.63435	Puente Formation	530	25	650.621	1238.84	1520.1	0	1520.1	1432.89	1432.89
10	2.04294	3238.41	-6.17738	Puente Formation	530	25	684.705	1303.73	1659.28	0	1659.28	1585.17	1585.17
11	2.04294	3536.63	-4.72441	Puente Formation	530	25	716.813	1364.87	1790.38	0	1790.38	1731.14	1731.14
12	2.04294	3822.07	-3.27448	Puente Formation	530	25	746.989	1422.33	1913.6	0	1913.6	1870.86	1870.86
13	2.04294	4094.8	-1.82665	Puente Formation	530	25	775.272	1476.18	2029.09	0	2029.09	2004.36	2004.36
14	2.04294	4354.86	-0.37998	Puente Formation	530	25	801.694	1526.49	2136.98	0	2136.98	2131.66	2131.66
15	2.04294	4602.28	1.06644	Puente Formation	460.681	23.2643	747.463	1423.23	2238.86	0	2238.86	2252.77	2252.77
16	2.04294	4837.04	2.51355	Puente Formation	366.619	20.835	659.978	1256.65	2338.72	0	2338.72	2367.69	2367.69
17	2.04294	5059.12	3.96226	Puente Formation	335	20	640.823	1220.18	2432.01	0	2432.01	2476.39	2476.39
18	2.04294	5268.46	5.41351	Puente Formation	361.878	20.7104	689.149	1312.19	2513.55	0	2513.55	2578.86	2578.86
19	2.04294	5464.98	6.86826	Puente Formation	456.437	23.1564	818.451	1558.4	2576.48	0	2576.48	2675.06	2675.06
20	2.04294	5648.58	8.32748	Puente Formation	530	25	922.414	1756.35	2629.92	0	2629.92	2764.94	2764.94
21	2.04294	5819.12	9.79216	Puente Formation	530	25	936.347	1782.88	2686.81	0	2686.81	2848.42	2848.42
22	2.04294	5976.45	11.2633	Puente Formation	530	25	948.521	1806.06	2736.52	0	2736.52	2925.43	2925.43
23	2.04294	6120.37	12.7421	Puente Formation	530	25	958.93	1825.88	2779.03	0	2779.03	2995.87	2995.87
24	2.04294	6250.66	14.2295	Puente Formation	530	25	967.564	1842.32	2814.29	0	2814.29	3059.65	3059.65
25	2.04294	6367.05	15.7268	Puente Formation	530	25	974.413	1855.36	2842.24	0	2842.24	3116.63	3116.63
26	2.04294	6469.27	17.2352	Puente Formation	530	25	979.449	1864.95	2862.81	0	2862.81	3166.66	3166.66
27	2.04294	6556.97	18.7561	Puente Formation	530	25	982.658	1871.06	2875.91	0	2875.91	3209.6	3209.6
28	2.04294	6629.76	20.2907	Puente Formation	530	25	984.008	1873.63	2881.41	0	2881.41	3245.23	3245.23
29	2.04294	6687.23	21.8408	Puente Formation	530	25	983.462	1872.59	2879.19	0	2879.19	3273.36	3273.36
30	2.04294	6728.87	23.4079	Puente Formation	530	25	980.983	1867.87	2869.07	0	2869.07	3293.74	3293.74
31	2.04294	6754.14	24.9937	Puente Formation	530	25	976.529	1859.39	2850.89	0	2850.89	3306.12	3306.12
32	2.04294	6762.42	26.6003	Puente Formation	530	25	970.043	1847.04	2824.4	0	2824.4	3310.17	3310.17
33	2.04294	6753	28.2298	Puente Formation	530	25	961.467	1830.71	2789.38	0	2789.38	3305.56	3305.56
34	2.04294	6696.57	29.8847	Puente Formation	530	25	947.733	1804.56	2733.31	0	2733.31	3277.94	3277.94
35	2.04294	6433.05	31.5675	Puente Formation	530	25	912.257	1737.01	2588.44	0	2588.44	3148.95	3148.95

36	2.04294	6114.81	33.2812	Puente Formation	530	25	871.308	1659.04	2421.24	0	2421.24	2993.18	2993.18
37	2.04294	5774.9	35.0294	Puente Formation	530	25	828.416	1577.37	2246.1	0	2246.1	2826.8	2826.8
38	2.04294	5411.92	36.8158	Puente Formation	530	25	783.493	1491.83	2062.66	0	2062.66	2649.12	2649.12
39	2.04294	5024.25	38.645	Puente Formation	530	25	736.439	1402.24	1870.52	0	1870.52	2459.36	2459.36
40	2.04294	4888.64	40.5222	Puente Formation	530	25	714.768	1360.98	1782.03	0	1782.03	2392.98	2392.98
41	2.04294	6618.37	42.4537	Puente Formation	530	25	875.578	1667.17	2438.66	0	2438.66	3239.68	3239.68
42	2.04294	6143.65	44.4468	Puente Formation	530	25	818.274	1558.06	2204.69	0	2204.69	3007.31	3007.31
43	2.04294	5634.05	46.5105	Puente Formation	530	25	758.047	1443.38	1958.76	0	1958.76	2757.86	2757.86
44	2.04294	5085.46	48.656	Puente Formation	530	25	694.645	1322.66	1699.86	0	1699.86	2489.34	2489.34
45	2.04294	4492.75	50.8974	Puente Formation	530	25	631.189	1201.84	1440.75	0	1440.75	2217.36	2217.36
46	2.04294	3849.26	53.2527	Puente Formation	530	25	575.519	1095.84	1213.44	0	1213.44	1984.23	1984.23
47	2.04294	3146.15	55.7463	Puente Formation	530	25	500.134	952.295	905.614	0	905.614	1640.06	1640.06
48	2.04294	2371.18	58.4117	Puente Formation	530	25	419.877	799.479	577.901	0	577.901	1260.71	1260.71
49	2.04294	1506.58	61.2983	Puente Formation	530	25	334.041	636.04	227.403	0	227.403	837.497	837.497
50	2.04294	524.61	64.4831	Puente Formation	530	25	241.721	460.255	-149.568	0	-149.568	356.825	356.825

Curved - Curved Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.10153

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.30461	165.491	-5.86061	Puente 2	390.939	21.4711	395.023	435.129	112.349	0	112.349	71.8023	71.8023
2	2.30461	490.972	-4.88036	Puente 2	335	20	385.387	424.515	245.94	0	245.94	213.034	213.034
3	2.30461	805.477	-3.90154	Puente 2	335	20	429.279	472.864	378.779	0	378.779	349.502	349.502
4	2.28204	1100.72	-2.92865	Puente Formation	530	25	700.505	771.627	518.173	0	518.173	482.336	482.336
5	2.28204	1430.16	-1.96138	Puente Formation	530	25	757.428	834.33	652.638	0	652.638	626.699	626.699
6	2.28204	1758.75	-0.994674	Puente Formation	530	25	813.381	895.964	784.81	0	784.81	770.688	770.688
7	2.28204	2076.79	-0.0282504	Puente Formation	530	25	866.583	954.567	910.487	0	910.487	910.06	910.06
8	2.28204	2384.29	0.938165	Puente Formation	469.019	23.4755	832.356	916.865	1031.18	0	1031.18	1044.81	1044.81
9	2.28204	2681.25	1.90485	Puente Formation	406.185	21.867	787.28	867.213	1148.76	0	1148.76	1174.94	1174.94
10	2.28204	2967.64	2.87207	Puente Formation	343.315	20.2205	734.201	808.744	1263.61	0	1263.61	1300.44	1300.44
11	2.28204	3243.46	3.84012	Puente Formation	335	20	756.964	833.819	1370.49	0	1370.49	1421.3	1421.3
12	2.28204	3508.66	4.80927	Puente Formation	335	20	790.185	870.413	1471.04	0	1471.04	1537.52	1537.52
13	2.28204	3763.2	5.77979	Puente Formation	385.687	21.3342	902.459	994.086	1557.72	0	1557.72	1649.06	1649.06
14	2.28204	4007.05	6.75199	Puente Formation	448.879	22.9641	1035.8	1140.96	1633.29	0	1633.29	1755.92	1755.92
15	2.28204	4240.12	7.72614	Puente Formation	512.199	24.5587	1169.95	1288.74	1699.33	0	1699.33	1858.06	1858.06
16	2.28204	4462.37	8.70254	Puente Formation	530	25	1229.29	1354.1	1767.29	0	1767.29	1955.46	1955.46
17	2.28204	4673.7	9.6815	Puente Formation	530	25	1257.34	1385	1833.56	0	1833.56	2048.07	2048.07
18	2.28204	4874.02	10.6633	Puente Formation	530	25	1283.04	1413.31	1894.27	0	1894.27	2135.85	2135.85
19	2.28204	5063.23	11.6483	Puente Formation	530	25	1306.41	1439.05	1949.46	0	1949.46	2218.77	2218.77
20	2.28204	5241.23	12.6368	Puente Formation	530	25	1327.45	1462.22	1999.16	0	1999.16	2296.77	2296.77
21	2.28204	5407.87	13.6292	Puente Formation	530	25	1346.18	1482.85	2043.4	0	2043.4	2369.8	2369.8
22	2.28204	5563.04	14.6257	Puente Formation	530	25	1362.61	1500.95	2082.21	0	2082.21	2437.8	2437.8
23	2.28204	5706.56	15.6268	Puente Formation	530	25	1376.74	1516.52	2115.61	0	2115.61	2500.7	2500.7
24	2.28204	5838.28	16.6328	Puente Formation	530	25	1388.59	1529.58	2143.6	0	2143.6	2558.42	2558.42
25	2.28204	5958.02	17.6441	Puente Formation	530	25	1398.16	1540.11	2166.19	0	2166.19	2610.89	2610.89
26	2.28204	6065.57	18.6611	Puente Formation	530	25	1405.44	1548.13	2183.38	0	2183.38	2658.03	2658.03
27	2.28204	6160.72	19.6843	Puente Formation	530	25	1410.42	1553.62	2195.16	0	2195.16	2699.73	2699.73
28	2.28204	6243.25	20.714	Puente Formation	530	25	1413.12	1556.59	2201.53	0	2201.53	2735.9	2735.9
29	2.28204	6312.89	21.7508	Puente Formation	530	25	1413.52	1557.03	2202.46	0	2202.46	2766.42	2766.42
30	2.28204	6221.25	22.7951	Puente Formation	530	25	1388.27	1529.22	2142.83	0	2142.83	2726.27	2726.27
31	2.28204	5951.92	23.8475	Puente Formation	530	25	1335.4	1470.98	2017.94	0	2017.94	2608.25	2608.25
32	2.28204	5668.71	24.9085	Puente Formation	530	25	1280.95	1411	1889.31	0	1889.31	2484.14	2484.14
33	2.28204	5371.35	25.9787	Puente Formation	530	25	1224.92	1349.29	1756.97	0	1756.97	2353.84	2353.84
34	2.28204	5059.49	27.0588	Puente Formation	530	25	1167.32	1285.83	1620.89	0	1620.89	2217.18	2217.18

35	2.28204	5491.33	28.1493	Puente Formation	530	25	1222.87	1347.03	1752.12	0	1752.12	2406.42	2406.42
36	2.28204	7128.96	29.2511	Puente Formation	530	25	1457.98	1606.01	2307.52	0	2307.52	3124.06	3124.06
37	2.28204	6770.9	30.3649	Puente Formation	530	25	1391.99	1533.32	2151.63	0	2151.63	2967.16	2967.16
38	2.28204	6396.42	31.4915	Puente Formation	530	25	1324.33	1458.78	1991.78	0	1991.78	2803.06	2803.06
39	2.28204	6004.93	32.6319	Puente Formation	530	25	1254.97	1382.38	1827.94	0	1827.94	2631.51	2631.51
40	2.28204	5595.79	33.787	Puente Formation	530	25	1212.32	1335.41	1727.2	0	1727.2	2538.38	2538.38
41	2.28204	5168.27	34.9579	Puente Formation	530	25	1143.76	1259.89	1565.26	0	1565.26	2364.88	2364.88
42	2.28204	4721.59	36.1458	Puente Formation	530	25	1068.89	1177.41	1388.38	0	1388.38	2169.14	2169.14
43	2.28204	4254.87	37.352	Puente Formation	530	25	992.236	1092.98	1207.31	0	1207.31	1964.62	1964.62
44	2.28204	3767.15	38.5779	Puente Formation	530	25	913.789	1006.57	1022	0	1022	1750.89	1750.89
45	2.28204	3257.34	39.8251	Puente Formation	530	25	833.526	918.154	832.4	0	832.4	1527.49	1527.49
46	2.28204	2724.24	41.0954	Puente Formation	530	25	751.429	827.722	638.468	0	638.468	1293.88	1293.88
47	2.28204	2166.48	42.3908	Puente Formation	530	25	667.48	735.249	440.159	0	440.159	1049.45	1049.45
48	2.28204	1582.52	43.7134	Puente Formation	530	25	581.664	640.72	237.441	0	237.441	793.552	793.552
49	2.28204	970.602	45.066	Puente Formation	530	25	493.97	544.123	30.2866	0	30.2866	525.397	525.397
50	2.28204	328.709	46.4515	Puente Formation	530	25	404.394	445.452	-181.314	0	-181.314	244.106	244.106

Global Minimum Query (janbu simplified) - Safety Factor: 1.00516

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.24298	217.471	-16.8975	Puente 2	530	25	666.082	669.519	299.201	0	299.201	96.8617	96.8617
2	2.24298	644.474	-15.5079	Puente 2	530	25	758.117	762.029	497.589	0	497.589	287.232	287.232
3	2.24298	1055.76	-14.1276	Puente 2	530	25	844.162	848.518	683.062	0	683.062	470.591	470.591
4	2.23777	1448.46	-12.7572	Puente Formation	530	25	924.633	929.404	856.523	0	856.523	647.178	647.178
5	2.23777	1859.92	-11.3958	Puente Formation	530	25	1006.98	1012.17	1034.02	0	1034.02	831.056	831.056
6	2.23777	2274.13	-10.0409	Puente Formation	530	25	1088.07	1093.68	1208.82	0	1208.82	1016.16	1016.16
7	2.23777	2673.72	-8.69161	Puente Formation	530	25	1164.09	1170.1	1372.69	0	1372.69	1194.73	1194.73
8	2.23777	3058.85	-7.34719	Puente Formation	530	25	1235.27	1241.64	1526.12	0	1526.12	1366.84	1366.84
9	2.23777	3429.66	-6.00683	Puente Formation	530	25	1301.8	1308.52	1669.55	0	1669.55	1532.56	1532.56
10	2.23777	3786.27	-4.66976	Puente Formation	530	25	1363.87	1370.91	1803.34	0	1803.34	1691.94	1691.94
11	2.23777	4128.78	-3.33524	Puente Formation	530	25	1421.64	1428.97	1927.86	0	1927.86	1845.01	1845.01
12	2.23777	4457.25	-2.00252	Puente Formation	530	25	1475.23	1482.85	2043.39	0	2043.39	1991.81	1991.81
13	2.23777	4771.73	-0.670896	Puente Formation	530	25	1524.79	1532.66	2150.21	0	2150.21	2132.36	2132.36
14	2.23777	5072.24	0.660371	Puente Formation	487.076	23.9307	1477.79	1485.42	2249.63	0	2249.63	2266.66	2266.66
15	2.23777	5358.78	1.99199	Puente Formation	400.52	21.7201	1329.2	1336.06	2348.49	0	2348.49	2394.73	2394.73
16	2.23777	5631.34	3.32469	Puente Formation	335	20	1218.88	1225.17	2445.73	0	2445.73	2516.53	2516.53
17	2.23777	5889.85	4.6592	Puente Formation	335	20	1249.48	1255.93	2530.24	0	2530.24	2632.07	2632.07
18	2.23777	6134.26	5.99625	Puente Formation	399.756	21.7003	1423.81	1431.16	2591.76	0	2591.76	2741.31	2741.31
19	2.23777	6364.47	7.33658	Puente Formation	486.878	23.9257	1646.25	1654.75	2632.26	0	2632.26	2844.22	2844.22
20	2.23777	6580.37	8.68096	Puente Formation	530	25	1766.41	1775.52	2671.03	0	2671.03	2940.72	2940.72
21	2.23777	6781.81	10.0302	Puente Formation	530	25	1786.69	1795.91	2714.75	0	2714.75	3030.76	3030.76
22	2.23777	6968.62	11.3851	Puente Formation	530	25	1803.55	1812.86	2751.1	0	2751.1	3114.27	3114.27
23	2.23777	7140.61	12.7464	Puente Formation	530	25	1817.01	1826.39	2780.12	0	2780.12	3191.15	3191.15
24	2.23777	7297.55	14.1151	Puente Formation	530	25	1827.1	1836.53	2801.85	0	2801.85	3261.3	3261.3
25	2.23777	7439.17	15.4921	Puente Formation	530	25	1833.81	1843.27	2816.33	0	2816.33	3324.61	3324.61
26	2.23777	7565.19	16.8784	Puente Formation	530	25	1837.16	1846.64	2823.54	0	2823.54	3380.95	3380.95
27	2.23777	7675.26	18.2748	Puente Formation	530	25	1837.13	1846.61	2823.48	0	2823.48	3430.16	3430.16
28	2.23777	7769.02	19.6827	Puente Formation	530	25	1833.73	1843.19	2816.14	0	2816.14	3472.08	3472.08
29	2.23777	7846.05	21.103	Puente Formation	530	25	1826.92	1836.35	2801.47	0	2801.47	3506.53	3506.53
30	2.23777	7896.97	22.5371	Puente Formation	530	25	1815.13	1824.5	2776.07	0	2776.07	3529.3	3529.3
31	2.23777	7724.6	23.9862	Puente Formation	530	25	1764.6	1773.71	2667.15	0	2667.15	3452.29	3452.29
32	2.23777	7447.92	25.4518	Puente Formation	530	25	1696.83	1705.59	2521.06	0	2521.06	3328.66	3328.66
33	2.23777	7152.25	26.9356	Puente Formation	530	25	1626.75	1635.14	2369.98	0	2369.98	3196.55	3196.55
34	2.23777	6836.87	28.4391	Puente Formation	530	25	1554.31	1562.33	2213.83	0	2213.83	3055.62	3055.62
35	2.23777	6500.93	29.9643	Puente Formation	530	25	1479.48	1487.12	2052.55	0	2052.55	2905.5	2905.5

36	2.23777	7308.99	31.5133	Puente Formation	530	25	1590.37	1598.58	2291.57	0	2291.57	3266.66	3266.66
37	2.23777	8448.82	33.0885	Puente Formation	530	25	1750.04	1759.07	2635.76	0	2635.76	3776.09	3776.09
38	2.23777	8045.05	34.6924	Puente Formation	530	25	1661.72	1670.29	2445.36	0	2445.36	3595.66	3595.66
39	2.23777	7616.13	36.3281	Puente Formation	530	25	1570.65	1578.75	2249.06	0	2249.06	3404	3404
40	2.23777	7160.46	37.9989	Puente Formation	530	25	1476.75	1484.37	2046.65	0	2046.65	3200.37	3200.37
41	2.23777	6676.21	39.7088	Puente Formation	530	25	1411.13	1418.41	1905.2	0	1905.2	3077.1	3077.1
42	2.23777	6161.22	41.4621	Puente Formation	530	25	1313.02	1319.8	1693.72	0	1693.72	2853.84	2853.84
43	2.23777	5612.97	43.2644	Puente Formation	530	25	1209.47	1215.71	1470.5	0	1470.5	2608.83	2608.83
44	2.23777	5028.46	45.1217	Puente Formation	530	25	1102.65	1108.34	1240.26	0	1240.26	2347.61	2347.61
45	2.23777	4404.05	47.0418	Puente Formation	530	25	992.456	997.577	1002.72	0	1002.72	2068.56	2068.56
46	2.23777	3735.33	49.0337	Puente Formation	530	25	878.747	883.281	757.613	0	757.613	1769.7	1769.7
47	2.23777	3016.81	51.1091	Puente Formation	530	25	761.397	765.326	504.658	0	504.658	1448.58	1448.58
48	2.23777	2241.49	53.2826	Puente Formation	530	25	640.288	643.592	243.598	0	243.598	1102.07	1102.07
49	2.23777	1400.29	55.5733	Puente Formation	530	25	515.328	517.987	-25.7611	0	-25.7611	726.104	726.104
50	2.23777	480.96	58.007	Puente Formation	530	25	386.496	388.49	-303.471	0	-303.471	315.219	315.219

Curved - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.91503

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.44473	508.021	-45	Puente 2	530	25	432.848	828.916	641.027	0	641.027	208.18	208.18
2	2.44473	1524.06	-45	Puente 2	530	25	566.657	1085.17	1190.56	0	1190.56	623.899	623.899
3	2.44473	2540.1	-45	Puente 2	530	25	700.468	1341.42	1740.09	0	1740.09	1039.62	1039.62
4	0.598035	776.038	-45	Puente Formation	530	25	783.739	1500.88	2082.07	0	2082.07	1298.33	1298.33
5	2.1755	3035.91	3.22913	Puente Formation	335	20	435.487	833.971	1370.91	0	1370.91	1395.48	1395.48
6	2.1755	3243.54	3.22913	Puente Formation	335	20	453.434	868.34	1465.34	0	1465.34	1490.92	1490.92
7	2.1755	3485.72	3.22913	Puente Formation	335	20	474.367	908.427	1575.48	0	1575.48	1602.24	1602.24
8	2.1755	3737.65	3.22913	Puente Formation	335	20	496.142	950.127	1690.05	0	1690.05	1718.04	1718.04
9	2.1755	3989.57	3.22913	Puente Formation	335	20	517.918	991.828	1804.62	0	1804.62	1833.84	1833.84
10	2.1755	4241.5	3.22913	Puente Formation	335	20	539.693	1033.53	1919.19	0	1919.19	1949.64	1949.64
11	2.1755	4493.42	3.22913	Puente Formation	335	20	561.468	1075.23	2033.76	0	2033.76	2065.44	2065.44
12	2.1755	4745.35	3.22913	Puente Formation	335	20	583.244	1116.93	2148.34	0	2148.34	2181.24	2181.24
13	2.1755	4997.27	3.22913	Puente Formation	335	20	605.02	1158.63	2262.91	0	2262.91	2297.04	2297.04
14	2.1755	5249.2	3.22913	Puente Formation	335	20	626.795	1200.33	2377.48	0	2377.48	2412.84	2412.84
15	2.1755	5501.12	3.22913	Puente Formation	335	20	648.571	1242.03	2492.05	0	2492.05	2528.64	2528.64
16	2.1755	5753.05	3.22913	Puente Formation	335	20	670.346	1283.73	2606.62	0	2606.62	2644.44	2644.44
17	2.1755	6004.97	3.22913	Puente Formation	335	20	692.121	1325.43	2721.19	0	2721.19	2760.24	2760.24
18	2.1755	6256.9	3.22913	Puente Formation	335	20	713.895	1367.13	2835.77	0	2835.77	2876.04	2876.04
19	2.1755	6508.82	3.22913	Puente Formation	335	20	735.67	1408.83	2950.34	0	2950.34	2991.84	2991.84
20	2.1755	6760.75	3.22913	Puente Formation	335	20	757.45	1450.54	3064.91	0	3064.91	3107.64	3107.64
21	2.1755	7012.67	3.22913	Puente Formation	335	20	779.225	1492.24	3179.48	0	3179.48	3223.44	3223.44
22	2.1755	7264.6	3.22913	Puente Formation	335	20	801.001	1533.94	3294.05	0	3294.05	3339.24	3339.24
23	2.1755	7516.52	3.22913	Puente Formation	335	20	822.776	1575.64	3408.62	0	3408.62	3455.04	3455.04
24	2.1755	7768.45	3.22913	Puente Formation	335	20	844.551	1617.34	3523.2	0	3523.2	3570.84	3570.84
25	2.19163	7857.88	39.6894	Puente Formation	530	25	956.366	1831.47	2791.02	0	2791.02	3584.71	3584.71
26	2.19163	7667.73	39.6894	Puente Formation	530	25	938.795	1797.82	2718.85	0	2718.85	3497.96	3497.96
27	2.19163	7477.57	39.6894	Puente Formation	530	25	921.223	1764.17	2646.69	0	2646.69	3411.21	3411.21
28	2.19163	7287.42	39.6894	Puente Formation	530	25	903.652	1730.52	2574.52	0	2574.52	3324.46	3324.46
29	2.19163	7097.27	39.6894	Puente Formation	530	25	886.08	1696.87	2502.35	0	2502.35	3237.71	3237.71
30	2.19163	6907.12	39.6894	Puente Formation	530	25	868.503	1663.21	2430.18	0	2430.18	3150.96	3150.96
31	2.19163	6716.96	39.6894	Puente Formation	530	25	850.932	1629.56	2358.02	0	2358.02	3064.21	3064.21
32	2.19163	6526.81	39.6894	Puente Formation	530	25	833.36	1595.91	2285.85	0	2285.85	2977.46	2977.46
33	2.19163	6253.72	39.6894	Puente Formation	530	25	808.123	1547.58	2182.21	0	2182.21	2852.87	2852.87
34	2.19163	5783.76	39.6894	Puente Formation	530	25	764.693	1464.41	2003.85	0	2003.85	2638.47	2638.47

35	2.19163	5305.41	39.6894	Puente Formation	530	25	720.487	1379.76	1822.31	0	1822.31	2420.24	2420.24
36	2.19163	4827.07	39.6894	Puente Formation	530	25	676.282	1295.1	1640.76	0	1640.76	2202.01	2202.01
37	2.19163	4348.72	39.6894	Puente Formation	530	25	632.077	1210.45	1459.22	0	1459.22	1983.78	1983.78
38	2.19163	3870.37	39.6894	Puente Formation	530	25	587.871	1125.79	1277.68	0	1277.68	1765.55	1765.55
39	2.19163	5567.06	39.6894	Puente Formation	530	25	744.667	1426.06	1921.61	0	1921.61	2539.61	2539.61
40	2.19163	5543.64	39.6894	Puente Formation	530	25	742.502	1421.91	1912.72	0	1912.72	2528.92	2528.92
41	2.19163	5065.29	39.6894	Puente Formation	530	25	698.297	1337.26	1731.17	0	1731.17	2310.69	2310.69
42	2.03895	4240.47	45	Puente Formation	530	25	629.704	1205.9	1449.48	0	1449.48	2079.18	2079.18
43	2.03895	3741.59	45	Puente Formation	530	25	583.697	1117.8	1260.54	0	1260.54	1844.24	1844.24
44	2.03895	3242.71	45	Puente Formation	530	25	553.476	1059.92	1136.42	0	1136.42	1689.9	1689.9
45	2.03895	2743.83	45	Puente Formation	530	25	505.573	968.187	939.695	0	939.695	1445.27	1445.27
46	2.03895	2244.95	45	Puente Formation	530	25	457.669	876.45	742.966	0	742.966	1200.63	1200.63
47	2.03895	1746.07	45	Puente Formation	530	25	409.766	784.714	546.237	0	546.237	956.003	956.003
48	2.03895	1247.2	45	Puente Formation	530	25	361.863	692.978	349.508	0	349.508	711.371	711.371
49	2.03895	748.318	45	Puente Formation	530	25	313.959	601.242	152.778	0	152.778	466.738	466.738
50	2.03895	249.439	45	Puente Formation	530	25	266.056	509.505	-43.9506	0	-43.9506	222.106	222.106

Global Minimum Query (janbu simplified) - Safety Factor: 1.81937

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.44473	508.021	-45	Puente 2	530	25	463.065	842.487	670.13	0	670.13	207.065	207.065
2	2.44473	1524.06	-45	Puente 2	530	25	606.217	1102.93	1228.66	0	1228.66	622.441	622.441
3	2.44473	2540.1	-45	Puente 2	530	25	749.369	1363.38	1787.19	0	1787.19	1037.82	1037.82
4	0.598035	776.038	-45	Puente Formation	530	25	838.453	1525.46	2134.77	0	2134.77	1296.32	1296.32
5	2.1755	3035.91	3.22913	Puente Formation	335	20	458.142	833.529	1369.7	0	1369.7	1395.54	1395.54
6	2.1755	3243.54	3.22913	Puente Formation	335	20	477.022	867.879	1464.07	0	1464.07	1490.99	1490.99
7	2.1755	3485.72	3.22913	Puente Formation	335	20	499.044	907.945	1574.15	0	1574.15	1602.31	1602.31
8	2.1755	3737.65	3.22913	Puente Formation	335	20	521.952	949.623	1688.67	0	1688.67	1718.11	1718.11
9	2.1755	3989.57	3.22913	Puente Formation	335	20	544.86	991.302	1803.17	0	1803.17	1833.92	1833.92
10	2.1755	4241.5	3.22913	Puente Formation	335	20	567.768	1032.98	1917.68	0	1917.68	1949.72	1949.72
11	2.1755	4493.42	3.22913	Puente Formation	335	20	590.676	1074.66	2032.2	0	2032.2	2065.52	2065.52
12	2.1755	4745.35	3.22913	Puente Formation	335	20	613.585	1116.34	2146.71	0	2146.71	2181.32	2181.32
13	2.1755	4997.27	3.22913	Puente Formation	335	20	636.493	1158.02	2261.22	0	2261.22	2297.13	2297.13
14	2.1755	5249.2	3.22913	Puente Formation	335	20	659.401	1199.7	2375.73	0	2375.73	2412.93	2412.93
15	2.1755	5501.12	3.22913	Puente Formation	335	20	682.309	1241.37	2490.24	0	2490.24	2528.73	2528.73
16	2.1755	5753.05	3.22913	Puente Formation	335	20	705.218	1283.05	2604.75	0	2604.75	2644.54	2644.54
17	2.1755	6004.97	3.22913	Puente Formation	335	20	728.126	1324.73	2719.26	0	2719.26	2760.34	2760.34
18	2.1755	6256.9	3.22913	Puente Formation	335	20	751.035	1366.41	2833.77	0	2833.77	2876.15	2876.15
19	2.1755	6508.82	3.22913	Puente Formation	335	20	773.944	1408.09	2948.28	0	2948.28	2991.95	2991.95
20	2.1755	6760.75	3.22913	Puente Formation	335	20	796.853	1449.77	3062.79	0	3062.79	3107.75	3107.75
21	2.1755	7012.67	3.22913	Puente Formation	335	20	819.756	1491.44	3177.3	0	3177.3	3223.55	3223.55
22	2.1755	7264.6	3.22913	Puente Formation	335	20	842.665	1533.12	3291.81	0	3291.81	3339.36	3339.36
23	2.1755	7516.52	3.22913	Puente Formation	335	20	865.574	1574.8	3406.33	0	3406.33	3455.16	3455.16
24	2.1755	7768.45	3.22913	Puente Formation	335	20	888.483	1616.48	3520.84	0	3520.84	3570.96	3570.96
25	2.19163	7857.88	39.6894	Puente Formation	530	25	998.258	1816.2	2758.26	0	2758.26	3586.72	3586.72
26	2.19163	7667.73	39.6894	Puente Formation	530	25	979.916	1782.83	2686.7	0	2686.7	3499.93	3499.93
27	2.19163	7477.57	39.6894	Puente Formation	530	25	961.575	1749.46	2615.13	0	2615.13	3413.15	3413.15
28	2.19163	7287.42	39.6894	Puente Formation	530	25	943.233	1716.09	2543.57	0	2543.57	3326.36	3326.36
29	2.19163	7097.27	39.6894	Puente Formation	530	25	924.892	1682.72	2472.01	0	2472.01	3239.58	3239.58
30	2.19163	6907.12	39.6894	Puente Formation	530	25	906.545	1649.34	2400.44	0	2400.44	3152.78	3152.78
31	2.19163	6716.96	39.6894	Puente Formation	530	25	888.203	1615.97	2328.88	0	2328.88	3066	3066
32	2.19163	6526.81	39.6894	Puente Formation	530	25	869.862	1582.6	2257.31	0	2257.31	2979.21	2979.21
33	2.19163	6253.72	39.6894	Puente Formation	530	25	843.517	1534.67	2154.53	0	2154.53	2854.57	2854.57
34	2.19163	5783.76	39.6894	Puente Formation	530	25	798.187	1452.2	1977.66	0	1977.66	2640.08	2640.08
35	2.19163	5305.41	39.6894	Puente Formation	530	25	752.045	1368.25	1797.63	0	1797.63	2421.75	2421.75

36	2.19163	4827.07	39.6894	Puente Formation	530	25	705.904	1284.3	1617.6	0	1617.6	2203.43	2203.43
37	2.19163	4348.72	39.6894	Puente Formation	530	25	659.762	1200.35	1437.57	0	1437.57	1985.11	1985.11
38	2.19163	3870.37	39.6894	Puente Formation	530	25	613.621	1116.4	1257.55	0	1257.55	1766.79	1766.79
39	2.19163	5567.06	39.6894	Puente Formation	530	25	777.284	1414.17	1896.1	0	1896.1	2541.17	2541.17
40	2.19163	5543.64	39.6894	Puente Formation	530	25	775.024	1410.06	1887.29	0	1887.29	2530.48	2530.48
41	2.19163	5065.29	39.6894	Puente Formation	530	25	728.883	1326.11	1707.26	0	1707.26	2312.16	2312.16
42	2.03895	4240.47	45	Puente Formation	530	25	656.384	1194.2	1424.39	0	1424.39	2080.78	2080.78
43	2.03895	3741.59	45	Puente Formation	530	25	608.428	1106.95	1237.28	0	1237.28	1845.71	1845.71
44	2.03895	3242.71	45	Puente Formation	530	25	576.926	1049.64	1114.37	0	1114.37	1691.3	1691.3
45	2.03895	2743.83	45	Puente Formation	530	25	526.993	958.795	919.552	0	919.552	1446.55	1446.55
46	2.03895	2244.95	45	Puente Formation	530	25	477.06	867.949	724.734	0	724.734	1201.79	1201.79
47	2.03895	1746.07	45	Puente Formation	530	25	427.127	777.102	529.913	0	529.913	957.04	957.04
48	2.03895	1247.2	45	Puente Formation	530	25	377.194	686.256	335.092	0	335.092	712.286	712.286
49	2.03895	748.318	45	Puente Formation	530	25	327.261	595.409	140.271	0	140.271	467.532	467.532
50	2.03895	249.439	45	Puente Formation	530	25	277.328	504.563	-54.5498	0	-54.5498	222.779	222.779

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 1.97193

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.22294	420.023	-45	Puente 2	530	25	419.428	827.083	637.095	0	637.095	217.667	217.667
2	2.22294	1260.07	-45	Puente 2	530	25	566.824	1117.74	1260.41	0	1260.41	693.583	693.583
3	1.43408	1128.23	3.27218	Puente 2	530	25	473.717	934.136	866.677	0	866.677	893.76	893.76
4	2.06397	1779.52	3.27218	Puente Formation	335	20	345.908	682.107	953.671	0	953.671	973.447	973.447
5	2.06397	1972.99	3.27218	Puente Formation	335	20	365.686	721.107	1060.82	0	1060.82	1081.73	1081.73
6	2.06397	2197.12	3.27218	Puente Formation	335	20	388.276	765.654	1183.21	0	1183.21	1205.41	1205.41
7	2.06397	2423.49	3.27218	Puente Formation	335	20	411.122	810.703	1306.99	0	1306.99	1330.49	1330.49
8	2.06397	2649.86	3.27218	Puente Formation	335	20	433.991	855.799	1430.88	0	1430.88	1455.7	1455.7
9	2.06397	2876.23	3.27218	Puente Formation	335	20	456.852	900.88	1554.74	0	1554.74	1580.86	1580.86
10	2.06397	3102.6	3.27218	Puente Formation	335	20	479.673	945.882	1678.39	0	1678.39	1705.81	1705.81
11	2.06397	3328.97	3.27218	Puente Formation	335	20	502.42	990.737	1801.62	0	1801.62	1830.35	1830.35
12	2.06397	3555.34	3.27218	Puente Formation	335	20	525.057	1035.38	1924.27	0	1924.27	1954.29	1954.29
13	2.06397	3781.72	3.27218	Puente Formation	335	20	547.548	1079.73	2046.12	0	2046.12	2077.42	2077.42
14	2.06397	4008.09	3.27218	Puente Formation	335	20	569.855	1123.72	2166.98	0	2166.98	2199.56	2199.56
15	2.06397	4234.46	3.27218	Puente Formation	335	20	591.942	1167.27	2286.64	0	2286.64	2320.48	2320.48
16	2.06397	4460.83	3.27218	Puente Formation	335	20	613.77	1210.31	2404.9	0	2404.9	2439.99	2439.99
17	2.06397	4687.2	3.27218	Puente Formation	335	20	635.304	1252.78	2521.57	0	2521.57	2557.89	2557.89
18	2.06397	4913.57	3.27218	Puente Formation	335	20	656.509	1294.59	2636.45	0	2636.45	2673.98	2673.98
19	2.06397	5139.94	3.27218	Puente Formation	335	20	677.347	1335.68	2749.35	0	2749.35	2788.08	2788.08
20	2.06397	5366.31	3.27218	Puente Formation	335	20	697.788	1375.99	2860.11	0	2860.11	2900	2900
21	2.06397	5592.69	3.27218	Puente Formation	335	20	717.804	1415.46	2968.55	0	2968.55	3009.59	3009.59
22	2.06397	5819.06	3.27218	Puente Formation	335	20	737.364	1454.03	3074.52	0	3074.52	3116.68	3116.68
23	2.15304	6160.52	30.9511	Puente Formation	530	25	794.739	1567.17	2224.23	0	2224.23	2700.83	2700.83
24	2.15304	6105.06	30.9511	Puente Formation	530	25	786.022	1549.98	2187.34	0	2187.34	2658.72	2658.72
25	2.15304	6049.61	30.9511	Puente Formation	530	25	777.771	1533.71	2152.46	0	2152.46	2618.89	2618.89
26	2.15304	5994.15	30.9511	Puente Formation	530	25	769.986	1518.36	2119.54	0	2119.54	2581.3	2581.3
27	2.15304	5938.69	30.9511	Puente Formation	530	25	762.651	1503.89	2088.53	0	2088.53	2545.89	2545.89
28	2.15304	5883.23	30.9511	Puente Formation	530	25	755.757	1490.3	2059.37	0	2059.37	2512.6	2512.6
29	2.15304	5827.77	30.9511	Puente Formation	530	25	749.29	1477.55	2032.02	0	2032.02	2481.37	2481.37
30	2.15304	5772.31	30.9511	Puente Formation	530	25	743.238	1465.61	2006.43	0	2006.43	2452.15	2452.15
31	2.15304	5716.85	30.9511	Puente Formation	530	25	737.59	1454.48	1982.55	0	1982.55	2424.88	2424.88
32	2.15304	5661.39	30.9511	Puente Formation	530	25	732.333	1444.11	1960.31	0	1960.31	2399.49	2399.49
33	2.15304	5465.43	30.9511	Puente Formation	530	25	715.344	1410.61	1888.47	0	1888.47	2317.46	2317.46
34	2.15304	5131.83	30.9511	Puente Formation	530	25	686.693	1354.11	1767.31	0	1767.31	2179.12	2179.12
35	2.15304	4798.24	30.9511	Puente Formation	530	25	658.099	1297.72	1646.39	0	1646.39	2041.05	2041.05

36	2.15304	4464.64	30.9511	Puente Formation	530	25	629.484	1241.3	1525.39	0	1525.39	1902.89	1902.89
37	2.15304	4131.05	30.9511	Puente Formation	530	25	600.773	1184.68	1403.97	0	1403.97	1764.26	1764.26
38	2.15304	3797.46	30.9511	Puente Formation	530	25	571.89	1127.73	1281.83	0	1281.83	1624.8	1624.8
39	2.15304	5962.75	30.9511	Puente Formation	530	25	764.004	1506.56	2094.24	0	2094.24	2552.42	2552.42
40	2.15304	5713.91	30.9511	Puente Formation	530	25	744.698	1468.49	2012.6	0	2012.6	2459.2	2459.2
41	2.15304	5380.32	30.9511	Puente Formation	530	25	717.805	1415.46	1898.88	0	1898.88	2329.34	2329.34
42	2.2421	5127.57	45	Puente Formation	530	25	609.444	1201.78	1440.64	0	1440.64	2050.08	2050.08
43	2.2421	4524.32	45	Puente Formation	530	25	575.435	1134.72	1296.82	0	1296.82	1872.26	1872.26
44	2.2421	3921.08	45	Puente Formation	530	25	545.592	1075.87	1170.62	0	1170.62	1716.21	1716.21
45	2.2421	3317.84	45	Puente Formation	530	25	503.466	992.799	992.474	0	992.474	1495.94	1495.94
46	2.2421	2714.59	45	Puente Formation	530	25	459.733	906.562	807.541	0	807.541	1267.27	1267.27
47	2.2421	2111.35	45	Puente Formation	530	25	414.135	816.645	614.713	0	614.713	1028.85	1028.85
48	2.2421	1508.11	45	Puente Formation	530	25	366.42	722.554	412.932	0	412.932	779.352	779.352
49	2.2421	904.865	45	Puente Formation	530	25	316.355	623.829	201.218	0	201.218	517.573	517.573
50	2.2421	301.622	45	Puente Formation	530	25	263.733	520.063	-21.3108	0	-21.3108	242.422	242.422

Curved - Block Psuedostatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.06213

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.15747	395.647	-45	Puente 2	530	25	1036.89	1101.31	1225.18	0	1225.18	188.293	188.293
2	1.84825	745.19	5.04473	Puente 2	530	25	650.672	691.098	345.476	0	345.476	402.915	402.915
3	1.84825	879.805	5.04473	Puente 2	530	25	681.45	723.788	415.58	0	415.58	475.736	475.736
4	1.84825	1014.42	5.04473	Puente 2	530	25	712.227	756.478	485.685	0	485.685	548.557	548.557
5	2.00119	1250.16	5.04473	Puente Formation	337.907	20.0772	517.324	549.465	578.822	0	578.822	624.489	624.489
6	2.00119	1428.87	5.04473	Puente Formation	337.907	20.0772	547.143	581.137	665.478	0	665.478	713.777	713.777
7	2.00119	1626.73	5.04473	Puente Formation	337.907	20.0772	580.159	616.204	761.422	0	761.422	812.636	812.636
8	2.00119	1824.59	5.04473	Puente Formation	337.907	20.0772	613.175	651.272	857.367	0	857.367	911.495	911.495
9	2.00119	2022.46	5.04473	Puente Formation	337.907	20.0772	646.191	686.339	953.311	0	953.311	1010.35	1010.35
10	2.00119	2220.32	5.04473	Puente Formation	337.907	20.0772	679.207	721.406	1049.26	0	1049.26	1109.21	1109.21
11	2.00119	2418.19	5.04473	Puente Formation	337.907	20.0772	712.224	756.474	1145.2	0	1145.2	1208.07	1208.07
12	2.00119	2616.05	5.04473	Puente Formation	337.907	20.0772	745.239	791.541	1241.14	0	1241.14	1306.93	1306.93
13	2.00119	2813.91	5.04473	Puente Formation	337.907	20.0772	778.256	826.609	1337.09	0	1337.09	1405.79	1405.79
14	2.00119	3011.78	5.04473	Puente Formation	337.907	20.0772	811.272	861.676	1433.04	0	1433.04	1504.65	1504.65
15	2.00119	3209.64	5.04473	Puente Formation	337.907	20.0772	844.287	896.743	1528.98	0	1528.98	1603.51	1603.51
16	2.00119	3407.51	5.04473	Puente Formation	337.907	20.0772	877.304	931.811	1624.93	0	1624.93	1702.37	1702.37
17	2.00119	3605.37	5.04473	Puente Formation	337.907	20.0772	910.32	966.878	1720.87	0	1720.87	1801.23	1801.23
18	2.00119	3803.23	5.04473	Puente Formation	337.907	20.0772	943.337	1001.95	1816.82	0	1816.82	1900.09	1900.09
19	2.00119	4001.1	5.04473	Puente Formation	337.907	20.0772	976.352	1037.01	1912.76	0	1912.76	1998.95	1998.95
20	2.00119	4198.96	5.04473	Puente Formation	337.907	20.0772	1009.37	1072.08	2008.7	0	2008.7	2097.81	2097.81
21	2.00119	4396.83	5.04473	Puente Formation	337.907	20.0772	1042.38	1107.15	2104.65	0	2104.65	2196.67	2196.67
22	2.00119	4594.69	5.04473	Puente Formation	337.907	20.0772	1075.4	1142.21	2200.59	0	2200.59	2295.52	2295.52
23	2.00119	4792.55	5.04473	Puente Formation	337.907	20.0772	1108.42	1177.28	2296.54	0	2296.54	2394.38	2394.38
24	2.00119	4990.42	5.04473	Puente Formation	337.907	20.0772	1141.43	1212.35	2392.48	0	2392.48	2493.24	2493.24
25	2.06612	5242.12	28.7329	Puente Formation	530	25	1298.81	1379.5	1821.76	0	1821.76	2533.81	2533.81
26	2.06612	5217.41	28.7329	Puente Formation	530	25	1294.58	1375.01	1812.13	0	1812.13	2521.86	2521.86
27	2.06612	5192.7	28.7329	Puente Formation	530	25	1290.35	1370.52	1802.5	0	1802.5	2509.91	2509.91
28	2.06612	5168	28.7329	Puente Formation	530	25	1286.12	1366.03	1792.87	0	1792.87	2497.96	2497.96
29	2.06612	5143.29	28.7329	Puente Formation	530	25	1281.89	1361.54	1783.24	0	1783.24	2486.02	2486.02
30	2.06612	5118.58	28.7329	Puente Formation	530	25	1277.67	1357.05	1773.61	0	1773.61	2474.07	2474.07
31	2.06612	5093.88	28.7329	Puente Formation	530	25	1273.44	1352.56	1763.98	0	1763.98	2462.12	2462.12
32	2.06612	5069.17	28.7329	Puente Formation	530	25	1269.21	1348.07	1754.35	0	1754.35	2450.18	2450.18
33	2.06612	5044.46	28.7329	Puente Formation	530	25	1264.98	1343.58	1744.72	0	1744.72	2438.23	2438.23
34	2.06612	5003.87	28.7329	Puente Formation	530	25	1258.04	1336.2	1728.9	0	1728.9	2418.6	2418.6

35	2.06612	4776.77	28.7329	Puente Formation	530	25	1219.18	1294.93	1640.39	0	1640.39	2308.78	2308.78
36	2.06612	4495.93	28.7329	Puente Formation	530	25	1171.13	1243.89	1530.93	0	1530.93	2172.98	2172.98
37	2.06612	4215.09	28.7329	Puente Formation	530	25	1123.07	1192.85	1421.48	0	1421.48	2037.18	2037.18
38	2.06612	3934.25	28.7329	Puente Formation	530	25	1075.02	1141.81	1312.02	0	1312.02	1901.38	1901.38
39	2.10848	3604.86	45	Puente Formation	530	25	867.116	920.99	838.479	0	838.479	1705.6	1705.6
40	2.10848	3322.38	45	Puente Formation	530	25	826.3	877.638	745.51	0	745.51	1571.81	1571.81
41	2.10848	5068.08	45	Puente Formation	530	25	1078.53	1145.54	1320.03	0	1320.03	2398.56	2398.56
42	2.10848	4534.59	45	Puente Formation	530	25	1001.45	1063.67	1144.46	0	1144.46	2145.91	2145.91
43	2.10848	4001.11	45	Puente Formation	530	25	924.368	981.799	968.886	0	968.886	1893.25	1893.25
44	2.10848	3467.63	45	Puente Formation	530	25	847.287	899.929	793.316	0	793.316	1640.6	1640.6
45	2.10848	2934.15	45	Puente Formation	530	25	779.965	828.424	639.971	0	639.971	1419.94	1419.94
46	2.10848	2400.67	45	Puente Formation	530	25	723.589	768.546	511.564	0	511.564	1235.15	1235.15
47	2.10848	1867.19	45	Puente Formation	530	25	646.508	686.676	335.991	0	335.991	982.499	982.499
48	2.10848	1333.7	45	Puente Formation	530	25	569.427	604.806	160.421	0	160.421	729.848	729.848
49	2.10848	800.222	45	Puente Formation	530	25	492.346	522.935	-15.1503	0	-15.1503	477.196	477.196
50	2.10848	266.741	45	Puente Formation	530	25	415.265	441.065	-190.722	0	-190.722	224.543	224.543

Global Minimum Query (janbu simplified) - Safety Factor: 1.00722

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.15747	395.647	-45	Puente 2	530	25	1136.69	1144.9	1318.66	0	1318.66	181.966	181.966
2	1.84825	745.19	5.04473	Puente 2	530	25	684.906	689.851	342.801	0	342.801	403.262	403.262
3	1.84825	879.805	5.04473	Puente 2	530	25	717.303	722.482	412.779	0	412.779	476.1	476.1
4	1.84825	1014.42	5.04473	Puente 2	530	25	749.7	755.113	482.757	0	482.757	548.937	548.937
5	2.00119	1250.16	5.04473	Puente Formation	337.907	20.0772	544.748	548.681	576.677	0	576.677	624.764	624.764
6	2.00119	1428.87	5.04473	Puente Formation	337.907	20.0772	576.148	580.308	663.208	0	663.208	714.068	714.068
7	2.00119	1626.73	5.04473	Puente Formation	337.907	20.0772	610.914	615.325	759.018	0	759.018	812.947	812.947
8	2.00119	1824.59	5.04473	Puente Formation	337.907	20.0772	645.681	650.343	854.828	0	854.828	911.826	911.826
9	2.00119	2022.46	5.04473	Puente Formation	337.907	20.0772	680.447	685.36	950.633	0	950.633	1010.7	1010.7
10	2.00119	2220.32	5.04473	Puente Formation	337.907	20.0772	715.213	720.377	1046.44	0	1046.44	1109.58	1109.58
11	2.00119	2418.19	5.04473	Puente Formation	337.907	20.0772	749.98	755.395	1142.25	0	1142.25	1208.45	1208.45
12	2.00119	2616.05	5.04473	Puente Formation	337.907	20.0772	784.746	790.412	1238.06	0	1238.06	1307.33	1307.33
13	2.00119	2813.91	5.04473	Puente Formation	337.907	20.0772	819.512	825.429	1333.86	0	1333.86	1406.21	1406.21
14	2.00119	3011.78	5.04473	Puente Formation	337.907	20.0772	854.279	860.447	1429.67	0	1429.67	1505.08	1505.08
15	2.00119	3209.64	5.04473	Puente Formation	337.907	20.0772	889.045	895.464	1525.48	0	1525.48	1603.96	1603.96
16	2.00119	3407.51	5.04473	Puente Formation	337.907	20.0772	923.811	930.481	1621.29	0	1621.29	1702.84	1702.84
17	2.00119	3605.37	5.04473	Puente Formation	337.907	20.0772	958.578	965.499	1717.1	0	1717.1	1801.72	1801.72
18	2.00119	3803.23	5.04473	Puente Formation	337.907	20.0772	993.344	1000.52	1812.9	0	1812.9	1900.59	1900.59
19	2.00119	4001.1	5.04473	Puente Formation	337.907	20.0772	1028.11	1035.53	1908.71	0	1908.71	1999.47	1999.47
20	2.00119	4198.96	5.04473	Puente Formation	337.907	20.0772	1062.88	1070.55	2004.52	0	2004.52	2098.34	2098.34
21	2.00119	4396.83	5.04473	Puente Formation	337.907	20.0772	1097.64	1105.57	2100.33	0	2100.33	2197.22	2197.22
22	2.00119	4594.69	5.04473	Puente Formation	337.907	20.0772	1132.41	1140.59	2196.13	0	2196.13	2296.1	2296.1
23	2.00119	4792.55	5.04473	Puente Formation	337.907	20.0772	1167.18	1175.6	2291.94	0	2291.94	2394.98	2394.98
24	2.00119	4990.42	5.04473	Puente Formation	337.907	20.0772	1201.94	1210.62	2387.75	0	2387.75	2493.85	2493.85
25	2.06612	5242.12	28.7329	Puente Formation	530	25	1356.87	1366.66	1794.23	0	1794.23	2538.11	2538.11
26	2.06612	5217.41	28.7329	Puente Formation	530	25	1352.45	1362.21	1784.69	0	1784.69	2526.14	2526.14
27	2.06612	5192.7	28.7329	Puente Formation	530	25	1348.03	1357.77	1775.15	0	1775.15	2514.18	2514.18
28	2.06612	5168	28.7329	Puente Formation	530	25	1343.62	1353.32	1765.61	0	1765.61	2502.22	2502.22
29	2.06612	5143.29	28.7329	Puente Formation	530	25	1339.2	1348.87	1756.07	0	1756.07	2490.26	2490.26
30	2.06612	5118.58	28.7329	Puente Formation	530	25	1334.78	1344.42	1746.53	0	1746.53	2478.3	2478.3
31	2.06612	5093.88	28.7329	Puente Formation	530	25	1330.37	1339.97	1736.99	0	1736.99	2466.34	2466.34
32	2.06612	5069.17	28.7329	Puente Formation	530	25	1325.95	1335.52	1727.45	0	1727.45	2454.38	2454.38
33	2.06612	5044.46	28.7329	Puente Formation	530	25	1321.53	1331.08	1717.91	0	1717.91	2442.42	2442.42
34	2.06612	5003.87	28.7329	Puente Formation	530	25	1314.28	1323.77	1702.24	0	1702.24	2422.76	2422.76
35	2.06612	4776.77	28.7329	Puente Formation	530	25	1273.68	1282.88	1614.55	0	1614.55	2312.82	2312.82

36	2.06612	4495.93	28.7329	Puente Formation	530	25	1223.48	1232.31	1506.11	0	1506.11	2176.86	2176.86
37	2.06612	4215.09	28.7329	Puente Formation	530	25	1173.27	1181.75	1397.68	0	1397.68	2040.9	2040.9
38	2.06612	3934.25	28.7329	Puente Formation	530	25	1123.07	1131.18	1289.24	0	1289.24	1904.94	1904.94
39	2.10848	3604.86	45	Puente Formation	530	25	901.083	907.589	809.742	0	809.742	1710.83	1710.83
40	2.10848	3322.38	45	Puente Formation	530	25	858.668	864.868	718.127	0	718.127	1576.8	1576.8
41	2.10848	5068.08	45	Puente Formation	530	25	1120.78	1128.87	1284.28	0	1284.28	2405.06	2405.06
42	2.10848	4534.59	45	Puente Formation	530	25	1040.68	1048.19	1111.27	0	1111.27	2151.95	2151.95
43	2.10848	4001.11	45	Puente Formation	530	25	960.579	967.514	938.25	0	938.25	1898.83	1898.83
44	2.10848	3467.63	45	Puente Formation	530	25	880.478	886.835	765.236	0	765.236	1645.71	1645.71
45	2.10848	2934.15	45	Puente Formation	530	25	810.518	816.37	614.121	0	614.121	1424.64	1424.64
46	2.10848	2400.67	45	Puente Formation	530	25	751.935	757.364	487.582	0	487.582	1239.52	1239.52
47	2.10848	1867.19	45	Puente Formation	530	25	671.833	676.684	314.566	0	314.566	986.399	986.399
48	2.10848	1333.7	45	Puente Formation	530	25	591.733	596.005	141.549	0	141.549	733.282	733.282
49	2.10848	800.222	45	Puente Formation	530	25	511.633	515.327	-31.4675	0	-31.4675	480.165	480.165
50	2.10848	266.741	45	Puente Formation	530	25	431.532	434.647	-204.484	0	-204.484	227.047	227.047

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 1.07895

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.15747	395.647	-45	Puente 2	530	25	1116.39	1204.53	1446.54	0	1446.54	330.146	330.146
2	1.84825	745.19	5.04473	Puente 2	530	25	726.326	783.669	543.995	0	543.995	608.112	608.112
3	1.84825	879.805	5.04473	Puente 2	530	25	779.954	841.531	668.079	0	668.079	736.93	736.93
4	1.84825	1014.42	5.04473	Puente 2	530	25	834.211	900.072	793.618	0	793.618	867.259	867.259
5	2.00119	1250.16	5.04473	Puente Formation	337.907	20.0772	610.83	659.055	878.661	0	878.661	932.582	932.582
6	2.00119	1428.87	5.04473	Puente Formation	337.907	20.0772	649.788	701.089	993.67	0	993.67	1051.03	1051.03
7	2.00119	1626.73	5.04473	Puente Formation	337.907	20.0772	691.021	745.577	1115.39	0	1115.39	1176.39	1176.39
8	2.00119	1824.59	5.04473	Puente Formation	337.907	20.0772	731.314	789.051	1234.33	0	1234.33	1298.89	1298.89
9	2.00119	2022.46	5.04473	Puente Formation	337.907	20.0772	770.546	831.381	1350.15	0	1350.15	1418.17	1418.17
10	2.00119	2220.32	5.04473	Puente Formation	337.907	20.0772	808.601	872.44	1462.49	0	1462.49	1533.87	1533.87
11	2.00119	2418.19	5.04473	Puente Formation	337.907	20.0772	845.367	912.109	1571.02	0	1571.02	1645.65	1645.65
12	2.00119	2616.05	5.04473	Puente Formation	337.907	20.0772	880.746	950.281	1675.46	0	1675.46	1753.21	1753.21
13	2.00119	2813.91	5.04473	Puente Formation	337.907	20.0772	914.651	986.863	1775.55	0	1775.55	1856.29	1856.29
14	2.00119	3011.78	5.04473	Puente Formation	337.907	20.0772	947.012	1021.78	1871.08	0	1871.08	1954.67	1954.67
15	2.00119	3209.64	5.04473	Puente Formation	337.907	20.0772	977.777	1054.97	1961.89	0	1961.89	2048.21	2048.21
16	2.00119	3407.51	5.04473	Puente Formation	337.907	20.0772	1006.91	1086.41	2047.91	0	2047.91	2136.79	2136.79
17	2.00119	3605.37	5.04473	Puente Formation	337.907	20.0772	1034.41	1116.08	2129.09	0	2129.09	2220.4	2220.4
18	2.00119	3803.23	5.04473	Puente Formation	337.907	20.0772	1060.29	1144	2205.48	0	2205.48	2299.08	2299.08
19	2.00119	4001.1	5.04473	Puente Formation	337.907	20.0772	1084.59	1170.22	2277.2	0	2277.2	2372.95	2372.95
20	2.00119	4198.96	5.04473	Puente Formation	337.907	20.0772	1107.37	1194.8	2344.45	0	2344.45	2442.21	2442.21
21	2.00119	4396.83	5.04473	Puente Formation	337.907	20.0772	1128.72	1217.84	2407.49	0	2407.49	2507.13	2507.13
22	2.00119	4594.69	5.04473	Puente Formation	337.907	20.0772	1148.77	1239.46	2466.67	0	2466.67	2568.08	2568.08
23	2.00119	4792.55	5.04473	Puente Formation	337.907	20.0772	1167.64	1259.83	2522.38	0	2522.38	2625.45	2625.45
24	2.00119	4990.42	5.04473	Puente Formation	337.907	20.0772	1185.5	1279.09	2575.09	0	2575.09	2679.74	2679.74
25	2.06612	5242.12	28.7329	Puente Formation	530	25	1135.72	1225.39	1491.26	0	1491.26	2113.9	2113.9
26	2.06612	5217.41	28.7329	Puente Formation	530	25	1122.33	1210.94	1460.28	0	1460.28	2075.58	2075.58
27	2.06612	5192.7	28.7329	Puente Formation	530	25	1110.72	1198.41	1433.41	0	1433.41	2042.34	2042.34
28	2.06612	5168	28.7329	Puente Formation	530	25	1100.86	1187.77	1410.6	0	1410.6	2014.12	2014.12
29	2.06612	5143.29	28.7329	Puente Formation	530	25	1092.74	1179.01	1391.81	0	1391.81	1990.88	1990.88
30	2.06612	5118.58	28.7329	Puente Formation	530	25	1086.33	1172.09	1376.97	0	1376.97	1972.53	1972.53
31	2.06612	5093.88	28.7329	Puente Formation	530	25	1081.6	1166.99	1366.03	0	1366.03	1958.99	1958.99
32	2.06612	5069.17	28.7329	Puente Formation	530	25	1078.51	1163.65	1358.88	0	1358.88	1950.15	1950.15
33	2.06612	5044.46	28.7329	Puente Formation	530	25	1077.01	1162.04	1355.42	0	1355.42	1945.87	1945.87
34	2.06612	5003.87	28.7329	Puente Formation	530	25	1075.19	1160.07	1351.2	0	1351.2	1940.65	1940.65
35	2.06612	4776.77	28.7329	Puente Formation	530	25	1052.34	1135.42	1298.32	0	1298.32	1875.25	1875.25

36	2.06612	4495.93	28.7329	Puente Formation	530	25	1023.06	1103.84	1230.59	0	1230.59	1791.47	1791.47
37	2.06612	4215.09	28.7329	Puente Formation	530	25	993.283	1071.7	1161.69	0	1161.69	1706.24	1706.24
38	2.06612	3934.25	28.7329	Puente Formation	530	25	962.641	1038.64	1090.79	0	1090.79	1618.53	1618.53
39	2.10848	3604.86	45	Puente Formation	530	25	750.093	809.313	598.986	0	598.986	1349.08	1349.08
40	2.10848	3322.38	45	Puente Formation	530	25	730.51	788.184	553.679	0	553.679	1284.19	1284.19
41	2.10848	5068.08	45	Puente Formation	530	25	912.808	984.874	975.479	0	975.479	1888.29	1888.29
42	2.10848	4534.59	45	Puente Formation	530	25	878.07	947.394	895.106	0	895.106	1773.18	1773.18
43	2.10848	4001.11	45	Puente Formation	530	25	839.257	905.516	805.299	0	805.299	1644.56	1644.56
44	2.10848	3467.63	45	Puente Formation	530	25	795.649	858.465	704.394	0	704.394	1500.04	1500.04
45	2.10848	2934.15	45	Puente Formation	530	25	755.185	814.807	610.771	0	610.771	1365.96	1365.96
46	2.10848	2400.67	45	Puente Formation	530	25	718.85	775.603	526.699	0	526.699	1245.55	1245.55
47	2.10848	1867.19	45	Puente Formation	530	25	657.329	709.225	384.35	0	384.35	1041.68	1041.68
48	2.10848	1333.7	45	Puente Formation	530	25	587.849	634.26	223.585	0	223.585	811.435	811.435
49	2.10848	800.222	45	Puente Formation	530	25	509.511	549.737	42.3266	0	42.3266	551.838	551.838
50	2.10848	266.741	45	Puente Formation	530	25	421.415	454.686	-161.511	0	-161.511	259.904	259.904

Interslice Data

Curved - Master Scenario

Global Minimum Query (bishop simplified) - Safety Factor: 2.03013

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	183	452.494	0	0	0
2	185.286	452.497	845.281	0	0
3	187.572	452.531	1728.11	0	0
4	189.858	452.597	2639.85	0	0
5	192.144	452.693	3572.3	0	0
6	194.516	452.826	4222.93	0	0
7	196.888	452.992	4870.27	0	0
8	199.261	453.192	5509.82	0	0
9	201.633	453.426	6210.15	0	0
10	204.005	453.693	6991.31	0	0
11	206.378	453.995	7851.61	0	0
12	208.75	454.331	8781.21	0	0
13	211.123	454.701	9674.81	0	0
14	213.495	455.107	10525.3	0	0
15	215.867	455.547	11326	0	0
16	218.24	456.022	12070.6	0	0
17	220.612	456.533	12753	0	0
18	222.984	457.08	13367.8	0	0
19	225.357	457.663	13909.7	0	0
20	227.729	458.282	14373.8	0	0
21	230.101	458.939	14755.7	0	0
22	232.474	459.633	15051.5	0	0
23	234.846	460.365	15257.3	0	0
24	237.218	461.136	15369.9	0	0
25	239.591	461.946	15386.5	0	0
26	241.963	462.795	15304.6	0	0
27	244.336	463.685	15122.3	0	0
28	246.708	464.615	14837.8	0	0
29	249.08	465.588	14450.2	0	0
30	251.453	466.603	13958.9	0	0
31	253.825	467.661	13367.6	0	0
32	256.197	468.763	12729.7	0	0
33	258.57	469.911	12071.3	0	0
34	260.942	471.105	11405.1	0	0
35	263.314	472.346	10745	0	0
36	265.687	473.636	10105.6	0	0
37	268.059	474.976	8769.55	0	0
38	270.431	476.367	7324.83	0	0
39	272.804	477.811	5900.12	0	0
40	275.176	479.309	4513.81	0	0
41	277.549	480.863	3131.23	0	0
42	279.921	482.475	1790.29	0	0
43	282.293	484.147	547.159	0	0
44	284.666	485.881	-573.428	0	0
45	287.038	487.68	-1544.69	0	0
46	289.41	489.546	-2337.54	0	0
47	291.783	491.483	-2920.38	0	0
48	294.155	493.493	-3258.72	0	0
49	296.527	495.58	-3314.82	0	0
50	298.9	497.747	-3047.33	0	0
51	301.272	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.97209

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	183	452.86	0	0	0
2	185.319	452.864	860.692	0	0
3	187.638	452.901	1761.94	0	0
4	189.957	452.972	2694.22	0	0
5	192.275	453.076	3648.52	0	0
6	194.561	453.212	4279.19	0	0
7	196.847	453.381	4906.87	0	0
8	199.133	453.583	5532.32	0	0
9	201.419	453.817	6241.16	0	0
10	203.705	454.085	7031.94	0	0
11	205.991	454.387	7903.15	0	0
12	208.276	454.722	8809.84	0	0
13	210.562	455.09	9683.1	0	0
14	212.848	455.493	10516.3	0	0
15	215.134	455.93	11303.3	0	0
16	217.42	456.401	12038.2	0	0
17	219.706	456.908	12715.4	0	0
18	221.991	457.449	13329.9	0	0
19	224.277	458.026	13876.8	0	0
20	226.563	458.64	14351.7	0	0
21	228.849	459.289	14750.6	0	0
22	231.135	459.976	15069.8	0	0
23	233.421	460.699	15306	0	0
24	235.706	461.461	15456.4	0	0
25	237.992	462.261	15518.3	0	0
26	240.278	463.101	15489.6	0	0
27	242.564	463.98	15368.8	0	0
28	244.85	464.899	15154.5	0	0
29	247.136	465.86	14846	0	0
30	249.422	466.863	14442.9	0	0
31	251.707	467.908	13945.4	0	0
32	253.993	468.998	13360.7	0	0
33	256.279	470.132	12745.2	0	0
34	258.565	471.312	12122.2	0	0
35	260.851	472.54	11505	0	0
36	263.137	473.815	10908	0	0
37	265.422	475.141	10346.5	0	0
38	267.708	476.517	9181.53	0	0
39	269.994	477.946	7813.75	0	0
40	272.28	479.429	6482.8	0	0
41	274.566	480.969	5208.03	0	0
42	276.852	482.567	3979.58	0	0
43	279.137	484.225	2786.25	0	0
44	281.423	485.946	1712.28	0	0
45	283.709	487.732	784.131	0	0
46	285.995	489.586	30.5778	0	0
47	288.281	491.511	-516.961	0	0
48	290.567	493.511	-824.105	0	0
49	292.853	495.59	-853.108	0	0
50	295.138	497.751	-562.386	0	0
51	297.424	500	0	0	0

Curved - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.06277

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	184.848	456.77	0	0	0
2	186.962	456.537	488.285	0	0
3	189.076	456.342	974.946	0	0
4	191.189	456.185	1499.02	0	0
5	193.303	456.065	2069.07	0	0
6	195.441	455.983	2946.56	0	0
7	197.578	455.938	3866.51	0	0
8	199.715	455.932	4820.09	0	0
9	201.853	455.964	5708.65	0	0
10	203.99	456.035	6497.41	0	0
11	206.128	456.144	7168.1	0	0
12	208.265	456.291	7808.6	0	0
13	210.403	456.477	8418.75	0	0
14	212.54	456.702	9108.34	0	0
15	214.677	456.965	9878.67	0	0
16	216.815	457.269	10719.2	0	0
17	218.952	457.611	11506.1	0	0
18	221.09	457.994	12232.3	0	0
19	223.227	458.417	12891	0	0
20	225.364	458.88	13476.2	0	0
21	227.502	459.385	13982.2	0	0
22	229.639	459.932	14403.8	0	0
23	231.777	460.521	14736.2	0	0
24	233.914	461.153	14975.3	0	0
25	236.051	461.829	15117.2	0	0
26	238.189	462.549	15158.8	0	0
27	240.326	463.315	15097.2	0	0
28	242.464	464.127	14930.5	0	0
29	244.601	464.987	14656.8	0	0
30	246.738	465.895	14275.3	0	0
31	248.876	466.852	13785.5	0	0
32	251.013	467.861	13187.8	0	0
33	253.151	468.922	12483.2	0	0
34	255.288	470.038	11714.7	0	0
35	257.426	471.209	10925.7	0	0
36	259.563	472.438	10131.9	0	0
37	261.7	473.726	9350.71	0	0
38	263.838	475.077	8601.2	0	0
39	265.975	476.493	7904.18	0	0
40	268.113	477.975	6257.22	0	0
41	270.25	479.529	4632.8	0	0
42	272.387	481.157	3068.61	0	0
43	274.525	482.862	1593.08	0	0
44	276.662	484.65	207.815	0	0
45	278.8	486.526	-1107.74	0	0
46	280.937	488.494	-2234.3	0	0
47	283.074	490.562	-3127.06	0	0
48	285.212	492.738	-3735	0	0
49	287.349	495.028	-3999.61	0	0
50	289.487	497.445	-3853.24	0	0
51	291.624	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.90408

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	184.75	456.729	0	0	0
2	186.734	456.03	798.092	0	0
3	188.718	455.388	1792.7	0	0
4	190.702	454.802	2952.98	0	0
5	192.686	454.271	4250.82	0	0
6	194.729	453.78	5703.74	0	0
7	196.772	453.344	7257.12	0	0
8	198.815	452.963	8897.99	0	0
9	200.858	452.636	10602.3	0	0
10	202.901	452.362	12347.6	0	0
11	204.944	452.141	14113.3	0	0
12	206.987	451.972	15879.9	0	0
13	209.03	451.855	17629.5	0	0
14	211.073	451.79	19345.4	0	0
15	213.116	451.777	21012.1	0	0
16	215.159	451.815	22453.8	0	0
17	217.202	451.904	23592.3	0	0
18	219.245	452.046	24557.3	0	0
19	221.288	452.239	25478.4	0	0
20	223.33	452.485	26516.4	0	0
21	225.373	452.784	27614.2	0	0
22	227.416	453.137	28579.7	0	0
23	229.459	453.544	29403.9	0	0
24	231.502	454.006	30079	0	0
25	233.545	454.524	30597.6	0	0
26	235.588	455.099	30953.1	0	0
27	237.631	455.733	31139.5	0	0
28	239.674	456.427	31151.8	0	0
29	241.717	457.182	30985.5	0	0
30	243.76	458.001	30637	0	0
31	245.803	458.885	30103.6	0	0
32	247.846	459.838	29383.4	0	0
33	249.889	460.861	28475.5	0	0
34	251.932	461.957	27380.2	0	0
35	253.975	463.131	26107.3	0	0
36	256.018	464.387	24721.8	0	0
37	258.06	465.728	23254.8	0	0
38	260.103	467.16	21730.6	0	0
39	262.146	468.689	20176.9	0	0
40	264.189	470.322	18625.9	0	0
41	266.232	472.069	16974.2	0	0
42	268.275	473.938	14205	0	0
43	270.318	475.941	11458.7	0	0
44	272.361	478.095	8788.89	0	0
45	274.404	480.417	6261.12	0	0
46	276.447	482.93	3929.04	0	0
47	278.49	485.667	1784.63	0	0
48	280.533	488.667	89.4245	0	0
49	282.576	491.989	-972.793	0	0
50	284.619	495.72	-1138.91	0	0
51	286.662	500	0	0	0

Curved - Curved Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.10153

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	186.693	457.539	0	0	0
2	188.998	457.302	882.201	0	0
3	191.302	457.105	1656.61	0	0
4	193.607	456.948	2439.51	0	0
5	195.889	456.832	3735.1	0	0
6	198.171	456.753	5042.38	0	0
7	200.453	456.714	6348.97	0	0
8	202.735	456.713	7641.93	0	0
9	205.017	456.75	8715.77	0	0
10	207.299	456.826	9540.1	0	0
11	209.581	456.94	10091.3	0	0
12	211.863	457.094	10538.2	0	0
13	214.145	457.286	10900.9	0	0
14	216.427	457.517	11358.4	0	0
15	218.709	457.787	11958.1	0	0
16	220.991	458.096	12702.2	0	0
17	223.273	458.446	13417.2	0	0
18	225.555	458.835	14029.9	0	0
19	227.837	459.265	14535.1	0	0
20	230.12	459.735	14927.9	0	0
21	232.402	460.247	15204.3	0	0
22	234.684	460.8	15360.6	0	0
23	236.966	461.396	15393.9	0	0
24	239.248	462.034	15301.6	0	0
25	241.53	462.716	15082	0	0
26	243.812	463.441	14733.7	0	0
27	246.094	464.212	14256.1	0	0
28	248.376	465.028	13649.1	0	0
29	250.658	465.891	12913.4	0	0
30	252.94	466.802	12050	0	0
31	255.222	467.761	11109.5	0	0
32	257.504	468.77	10156.7	0	0
33	259.786	469.829	9206.69	0	0
34	262.068	470.941	8275.33	0	0
35	264.35	472.107	7379.68	0	0
36	266.632	473.328	6218.38	0	0
37	268.914	474.606	4243.34	0	0
38	271.196	475.943	2308.35	0	0
39	273.478	477.341	434.779	0	0
40	275.76	478.802	-1354.42	0	0
41	278.042	480.329	-3072.22	0	0
42	280.324	481.925	-4665.25	0	0
43	282.606	483.592	-6098.77	0	0
44	284.889	485.333	-7341.7	0	0
45	287.171	487.154	-8360.2	0	0
46	289.453	489.057	-9117.34	0	0
47	291.735	491.047	-9572.63	0	0
48	294.017	493.13	-9681.49	0	0
49	296.299	495.312	-9394.58	0	0
50	298.581	497.599	-8657.07	0	0
51	300.863	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.00516

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	186.396	457.415	0	0	0
2	188.639	456.734	1625.41	0	0
3	190.882	456.111	3422.06	0	0
4	193.125	455.547	5351.83	0	0
5	195.363	455.04	7375.94	0	0
6	197.6	454.589	9480.87	0	0
7	199.838	454.193	11643.1	0	0
8	202.076	453.851	13834.1	0	0
9	204.314	453.562	16027.9	0	0
10	206.552	453.327	18201	0	0
11	208.789	453.144	20331.8	0	0
12	211.027	453.014	22400.5	0	0
13	213.265	452.935	24389.2	0	0
14	215.503	452.909	26281.4	0	0
15	217.74	452.935	27854.9	0	0
16	219.978	453.013	28876.8	0	0
17	222.216	453.143	29426.8	0	0
18	224.454	453.325	29816.4	0	0
19	226.691	453.56	30367.6	0	0
20	228.929	453.848	31191.1	0	0
21	231.167	454.19	32058	0	0
22	233.405	454.586	32741.8	0	0
23	235.643	455.036	33236.5	0	0
24	237.88	455.543	33536.9	0	0
25	240.118	456.105	33638.8	0	0
26	242.356	456.725	33538.8	0	0
27	244.594	457.404	33234.4	0	0
28	246.831	458.143	32724.2	0	0
29	249.069	458.944	32007.7	0	0
30	251.307	459.808	31085.4	0	0
31	253.545	460.736	29961.4	0	0
32	255.782	461.732	28703.6	0	0
33	258.02	462.797	27356.1	0	0
34	260.258	463.934	25939.7	0	0
35	262.496	465.146	24477.1	0	0
36	264.733	466.436	22992.9	0	0
37	266.971	467.808	20994.1	0	0
38	269.209	469.266	18277	0	0
39	271.447	470.815	15550.9	0	0
40	273.685	472.461	12849.9	0	0
41	275.922	474.209	10211.9	0	0
42	278.16	476.067	7624.42	0	0
43	280.398	478.044	5179.29	0	0
44	282.636	480.151	2935.16	0	0
45	284.873	482.398	954.865	0	0
46	287.111	484.801	-688.389	0	0
47	289.349	487.378	-1908.15	0	0
48	291.587	490.153	-2600.69	0	0
49	293.824	493.153	-2639.11	0	0
50	296.062	496.418	-1864.45	0	0
51	298.3	500	0	0	0

Curved - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.91503

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	183.496	456.207	0	0	0
2	185.941	453.762	2626.26	0	0
3	188.385	451.317	6923.38	0	0
4	190.83	448.872	12891.4	0	0
5	191.428	448.274	14605.6	0	0
6	193.604	448.397	15385.6	0	0
7	195.779	448.52	16193.1	0	0
8	197.955	448.643	17032.6	0	0
9	200.13	448.765	17905.4	0	0
10	202.306	448.888	18811.6	0	0
11	204.481	449.011	19751.2	0	0
12	206.657	449.134	20724.1	0	0
13	208.832	449.256	21730.4	0	0
14	211.008	449.379	22770	0	0
15	213.183	449.502	23843	0	0
16	215.359	449.625	24949.3	0	0
17	217.534	449.747	26089	0	0
18	219.71	449.87	27262	0	0
19	221.885	449.993	28468.4	0	0
20	224.061	450.115	29708.1	0	0
21	226.236	450.238	30981.2	0	0
22	228.412	450.361	32287.6	0	0
23	230.587	450.484	33627.4	0	0
24	232.763	450.606	35000.5	0	0
25	234.938	450.729	36407	0	0
26	237.13	452.548	33428.4	0	0
27	239.321	454.367	30542.5	0	0
28	241.513	456.186	27749.4	0	0
29	243.705	458.005	25048.9	0	0
30	245.896	459.823	22441.2	0	0
31	248.088	461.642	19926.2	0	0
32	250.279	463.461	17503.9	0	0
33	252.471	465.28	15174.3	0	0
34	254.663	467.099	12977.8	0	0
35	256.854	468.918	11010.5	0	0
36	259.046	470.736	9276.48	0	0
37	261.238	472.555	7775.65	0	0
38	263.429	474.374	6508.04	0	0
39	265.621	476.193	5473.67	0	0
40	267.813	478.012	3612.03	0	0
41	270.004	479.831	1761.81	0	0
42	272.196	481.649	144.824	0	0
43	274.235	483.688	-1525.54	0	0
44	276.274	485.727	-2904.54	0	0
45	278.313	487.766	-4092.16	0	0
46	280.352	489.805	-4976.42	0	0
47	282.391	491.844	-5557.31	0	0
48	284.429	493.883	-5834.84	0	0
49	286.468	495.922	-5809	0	0
50	288.507	497.961	-5479.81	0	0
51	290.546	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.81937

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	183.496	456.207	0	0	0
2	185.941	453.762	2768.56	0	0
3	188.385	451.317	7251.97	0	0
4	190.83	448.872	13450.3	0	0
5	191.428	448.274	15227.5	0	0
6	193.604	448.397	16054.5	0	0
7	195.779	448.52	16910.9	0	0
8	197.955	448.643	17801.7	0	0
9	200.13	448.765	18728.1	0	0
10	202.306	448.888	19690.2	0	0
11	204.481	449.011	20688.1	0	0
12	206.657	449.134	21721.6	0	0
13	208.832	449.256	22790.8	0	0
14	211.008	449.379	23895.8	0	0
15	213.183	449.502	25036.4	0	0
16	215.359	449.625	26212.8	0	0
17	217.534	449.747	27424.8	0	0
18	219.71	449.87	28672.6	0	0
19	221.885	449.993	29956.1	0	0
20	224.061	450.115	31275.2	0	0
21	226.236	450.238	32630.1	0	0
22	228.412	450.361	34020.6	0	0
23	230.587	450.484	35446.9	0	0
24	232.763	450.606	36908.9	0	0
25	234.938	450.729	38406.5	0	0
26	237.13	452.548	35574	0	0
27	239.321	454.367	32831.5	0	0
28	241.513	456.186	30179.1	0	0
29	243.705	458.005	27616.7	0	0
30	245.896	459.823	25144.3	0	0
31	248.088	461.642	22761.9	0	0
32	250.279	463.461	20469.6	0	0
33	252.471	465.28	18267.3	0	0
34	254.663	467.099	16194.2	0	0
35	256.854	468.918	14343.7	0	0
36	259.046	470.736	12719.7	0	0
37	261.238	472.555	11322.2	0	0
38	263.429	474.374	10151.1	0	0
39	265.621	476.193	9206.53	0	0
40	267.813	478.012	7458.63	0	0
41	270.004	479.831	5721.82	0	0
42	272.196	481.649	4211.48	0	0
43	274.235	483.688	2643.42	0	0
44	276.274	485.727	1359.24	0	0
45	278.313	487.766	261.534	0	0
46	280.352	489.805	-540.59	0	0
47	282.391	491.844	-1047.13	0	0
48	284.429	493.883	-1258.09	0	0
49	286.468	495.922	-1173.47	0	0
50	288.507	497.961	-793.272	0	0
51	290.546	500	0	0	0

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 1.97193

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	186.385	457.411	0	0	0
2	188.608	455.188	2348.91	63.4641	1.54767
3	190.831	452.965	6411.17	345.692	3.08641
4	192.265	453.047	7019.7	499.513	4.07023
5	194.329	453.165	7621.36	729.64	5.46861
6	196.393	453.283	8251.21	989.789	6.84034
7	198.457	453.401	8913.25	1281.1	8.1791
8	200.521	453.519	9607.87	1604.21	9.47914
9	202.585	453.637	10335.1	1959.35	10.7349
10	204.649	453.755	11094.9	2346.47	11.9416
11	206.713	453.873	11887.2	2765.1	13.0948
12	208.777	453.991	12711.9	3214.39	14.1906
13	210.841	454.109	13569	3693.12	15.2256
14	212.905	454.227	14458	4199.62	16.197
15	214.969	454.345	15378.9	4731.81	17.1022
16	217.033	454.463	16331.2	5287.21	17.9393
17	219.097	454.581	17314.7	5862.87	18.7064
18	221.161	454.699	18328.9	6455.48	19.4024
19	223.225	454.817	19373.2	7061.28	20.0261
20	225.289	454.935	20447.3	7676.15	20.5767
21	227.353	455.053	21550.5	8295.59	21.0536
22	229.417	455.171	22682.3	8914.74	21.4561
23	231.481	455.289	23841.9	9528.46	21.7842
24	233.634	456.58	22681.8	9185.53	22.0466
25	235.787	457.871	21550.4	8806.68	22.2276
26	237.94	459.162	20446.4	8396.85	22.3268
27	240.093	460.453	19368.1	7960.92	22.3443
28	242.246	461.745	18314	7503.66	22.28
29	244.399	463.036	17282.8	7029.75	22.134
30	246.552	464.327	16272.9	6543.75	21.9063
31	248.705	465.618	15283	6050.11	21.5972
32	250.858	466.909	14311.8	5553.15	21.2069
33	253.011	468.2	13358	5057.04	20.7355
34	255.164	469.492	12460.4	4580.52	20.1837
35	257.317	470.783	11657.4	4140.1	19.5524
36	259.47	472.074	10949.1	3736.32	18.8419
37	261.623	473.365	10335.3	3368.89	18.0539
38	263.776	474.656	9816.49	3036.74	17.1895
39	265.929	475.948	9393.15	2737.98	16.2507
40	268.082	477.239	8334.62	2270.7	15.2399
41	270.235	478.53	7339.92	1851.8	14.1598
42	272.388	479.821	6434.14	1487.04	13.0135
43	274.631	482.063	4571	951.096	11.7539
44	276.873	484.305	2954.03	543.869	10.432
45	279.115	486.547	1553.08	247.468	9.05341
46	281.357	488.789	457.061	61.1864	7.62481
47	283.599	491.032	-322.398	-34.7574	6.15323
48	285.841	493.274	-771.789	-62.7267	4.64647
49	288.083	495.516	-875.79	-47.6276	3.11282
50	290.325	497.758	-617.393	-16.8247	1.56099
51	292.567	500	0	0	0

Curved - Block Psuedostatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.06213

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185.34	456.975	0	0	0
2	187.498	454.818	4760.38	0	0
3	189.346	454.981	5666.39	0	0
4	191.194	455.144	6573.71	0	0
5	193.043	455.307	7482.31	0	0
6	195.044	455.484	8007.67	0	0
7	197.045	455.66	8518.71	0	0
8	199.046	455.837	9013.89	0	0
9	201.047	456.014	9493.2	0	0
10	203.049	456.19	9956.66	0	0
11	205.05	456.367	10404.3	0	0
12	207.051	456.544	10836	0	0
13	209.052	456.72	11251.9	0	0
14	211.053	456.897	11651.9	0	0
15	213.055	457.074	12036	0	0
16	215.056	457.25	12404.3	0	0
17	217.057	457.427	12756.8	0	0
18	219.058	457.604	13093.4	0	0
19	221.059	457.78	13414.1	0	0
20	223.061	457.957	13718.9	0	0
21	225.062	458.134	14007.9	0	0
22	227.063	458.31	14281.1	0	0
23	229.064	458.487	14538.3	0	0
24	231.065	458.664	14779.8	0	0
25	233.066	458.84	15005.3	0	0
26	235.133	459.973	13908.1	0	0
27	237.199	461.106	12821.1	0	0
28	239.265	462.238	11744.5	0	0
29	241.331	463.371	10678.1	0	0
30	243.397	464.504	9621.98	0	0
31	245.463	465.637	8576.16	0	0
32	247.529	466.769	7540.63	0	0
33	249.595	467.902	6515.39	0	0
34	251.662	469.035	5500.43	0	0
35	253.728	470.167	4502.37	0	0
36	255.794	471.3	3598.84	0	0
37	257.86	472.433	2812.21	0	0
38	259.926	473.566	2142.49	0	0
39	261.992	474.698	1589.67	0	0
40	264.101	476.807	469.096	0	0
41	266.209	478.915	-448.7	0	0
42	268.318	481.024	-2619.6	0	0
43	270.426	483.132	-4407.55	0	0
44	272.535	485.241	-5812.55	0	0
45	274.643	487.349	-6834.62	0	0
46	276.752	489.458	-7499.93	0	0
47	278.86	491.566	-7837.88	0	0
48	280.969	493.675	-7792.88	0	0
49	283.077	495.783	-7364.94	0	0
50	285.185	497.892	-6554.05	0	0
51	287.294	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.00722

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185.34	456.975	0	0	0
2	187.498	454.818	5163.72	0	0
3	189.346	454.981	6126.17	0	0
4	191.194	455.144	7092.59	0	0
5	193.043	455.307	8062.97	0	0
6	195.044	455.484	8637.33	0	0
7	197.045	455.66	9200.19	0	0
8	199.046	455.837	9750.32	0	0
9	201.047	456.014	10287.7	0	0
10	203.049	456.19	10812.4	0	0
11	205.05	456.367	11324.3	0	0
12	207.051	456.544	11823.5	0	0
13	209.052	456.72	12310	0	0
14	211.053	456.897	12783.7	0	0
15	213.055	457.074	13244.7	0	0
16	215.056	457.25	13693	0	0
17	217.057	457.427	14128.5	0	0
18	219.058	457.604	14551.3	0	0
19	221.059	457.78	14961.3	0	0
20	223.061	457.957	15358.7	0	0
21	225.062	458.134	15743.3	0	0
22	227.063	458.31	16115.1	0	0
23	229.064	458.487	16474.3	0	0
24	231.065	458.664	16820.7	0	0
25	233.066	458.84	17154.4	0	0
26	235.133	459.973	16192.1	0	0
27	237.199	461.106	15239.6	0	0
28	239.265	462.238	14297	0	0
29	241.331	463.371	13364.2	0	0
30	243.397	464.504	12441.3	0	0
31	245.463	465.637	11528.3	0	0
32	247.529	466.769	10625	0	0
33	249.595	467.902	9731.66	0	0
34	251.662	469.035	8848.13	0	0
35	253.728	470.167	7980.78	0	0
36	255.794	471.3	7203.92	0	0
37	257.86	472.433	6538.97	0	0
38	259.926	473.566	5985.93	0	0
39	261.992	474.698	5544.79	0	0
40	264.101	476.807	4545.41	0	0
41	266.209	478.915	3743.09	0	0
42	268.318	481.024	1722.93	0	0
43	270.426	483.132	74.9388	0	0
44	272.535	485.241	-1200.88	0	0
45	274.643	487.349	-2104.53	0	0
46	276.752	489.458	-2660.84	0	0
47	278.86	491.566	-2897.66	0	0
48	280.969	493.675	-2762.31	0	0
49	283.077	495.783	-2254.78	0	0
50	285.185	497.892	-1375.09	0	0
51	287.294	500	0	0	0

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 1.07895

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185.34	456.975	0	0	0
2	187.498	454.818	5399.71	316.143	3.35074
3	189.346	454.981	6407.94	695.32	6.19289
4	191.194	455.144	7450.65	1178.08	8.98509
5	193.043	455.307	8528.77	1767.28	11.7068
6	195.044	455.484	9183.8	2384.22	14.5534
7	197.045	455.66	9837.54	3059.68	17.2768
8	199.046	455.837	10487	3788.42	19.8622
9	201.047	456.014	11130.9	4564.79	22.2986
10	203.049	456.19	11767.5	5382.41	24.5792
11	205.05	456.367	12395.1	6234.18	26.7003
12	207.051	456.544	13011.9	7112.3	28.661
13	209.052	456.72	13615.8	8008.35	30.4626
14	211.053	456.897	14204.6	8913.32	32.1081
15	213.055	457.074	14776	9817.77	33.6017
16	215.056	457.25	15327.6	10711.9	34.9483
17	217.057	457.427	15857.1	11585.6	36.1528
18	219.058	457.604	16361.9	12428.7	37.2207
19	221.059	457.78	16839.8	13231.2	38.1571
20	223.061	457.957	17288.4	13983.2	38.9666
21	225.062	458.134	17705.4	14675.3	39.654
22	227.063	458.31	18088.7	15298.5	40.2228
23	229.064	458.487	18436.4	15844.6	40.6764
24	231.065	458.664	18746.8	16306.3	41.0173
25	233.066	458.84	19018.3	16677.5	41.2481
26	235.133	459.973	17946.5	15806.4	41.372
27	237.199	461.106	16890.4	14880.6	41.3804
28	239.265	462.238	15848.8	13910.6	41.2736
29	241.331	463.371	14820.9	12906.6	41.0506
30	243.397	464.504	13805.6	11878.9	40.71
31	245.463	465.637	12802	10837.7	40.25
32	247.529	466.769	11809.2	9792.83	39.6674
33	249.595	467.902	10826.2	8753.94	38.9586
34	251.662	469.035	9852.24	7730.48	38.1192
35	253.728	470.167	8892.67	6736.35	37.1446
36	255.794	471.3	8020.71	5833.64	36.0292
37	257.86	472.433	7257.65	5038.11	34.7676
38	259.926	473.566	6603.76	4346.76	33.3539
39	261.992	474.698	6059.53	3754.51	31.7825
40	264.101	476.807	5189.07	2997.22	30.0108
41	266.209	478.915	4466.06	2381.15	28.065
42	268.318	481.024	2662.11	1295.06	25.9419
43	270.426	483.132	1130.41	494.826	23.6409
44	272.535	485.241	-117.742	-45.584	21.164
45	274.643	487.349	-1069.08	-358.066	18.5172
46	276.752	489.458	-1732.31	-487.29	15.711
47	278.86	491.566	-2118.86	-479.866	12.7607
48	280.969	493.675	-2158.98	-368.532	9.68687
49	283.077	495.783	-1830.64	-209.058	6.51492
50	285.185	497.892	-1109.29	-63.4745	3.27494
51	287.294	500	0	0	0

Entity Information

Curved

Shared Entities

Type	Coordinates (x,y)
External Boundary	0, 428 0, 414 0, 413.654 0, 370 128, 370 316, 370 316, 500 266, 500 266, 490 253, 490 195, 461 183, 456 183, 439 168, 439 168, 413.426 168, 405 160, 405 75, 405 75, 428 53, 428 50, 428 50, 427
Material Boundary	0, 414 16.358, 413.654 40.287, 418.439 53, 428
Material Boundary	128, 370 160, 405
Material Boundary	168, 413.426 168.551, 413.97 189.424, 444.783 195, 461

Scenario-based Entities

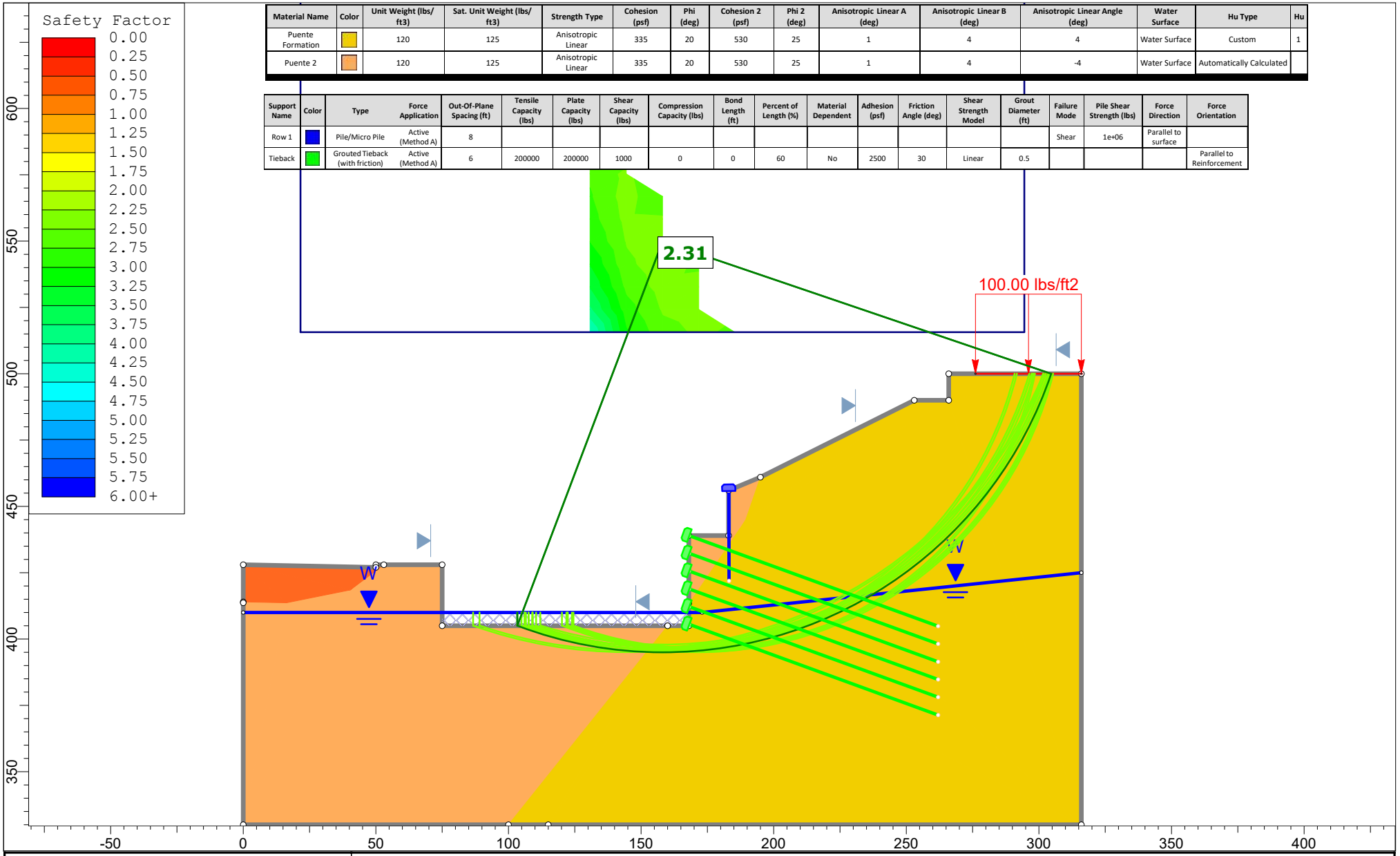
Type	Coordinates (x,y)	Master Scenario	Curved Static	Curved Pstatic	Block Static	Block Psuedostatic
Water Table	0, 410 173, 410 214, 415 316, 425	Assigned to: Puente Formation Puente 2 Alluvium	Assigned to: Puente Formation Puente 2 Alluvium			
Distributed Load	316, 500 276.076, 500	Constant DistributionOrientation: Normal to boundary Magnitude: 100 lbs/ft2 Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundary Magnitude: 100 lbs/ft2 Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundary Magnitude: 100 lbs/ft2 Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundary Magnitude: 100 lbs/ft2 Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundary Magnitude: 100 lbs/ft2 Creates Excess Pore Pressure: No
Water Table	0, 410 173, 410 214, 415 316, 425			Assigned to: Puente Formation Puente 2 Alluvium	Not assigned to any materials	Assigned to: Puente Formation
Block Search Window	183.967, 391.464 215.196, 391.192 215.393, 466.009 187.619, 454.12					
Block Search Window	219.541, 414.818 242.08, 414.274 240.451, 475.374 218.998, 465.055					
Block Search Window	247.783, 413.188 277.111, 411.559 275.21, 489.495 247.24, 479.719					

rocscience

20489 GG upd9-5-23 Lower Tiebacks
SLIDE - An Interactive Slope Stability Program
Geotechnologies, Inc.
Date Created: 5/10/2017, 12:08:26 AM
Software Version: 9.012

Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Hu Type	Hu
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	Water Surface	Custom	1
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	Water Surface	Automatically Calculated	

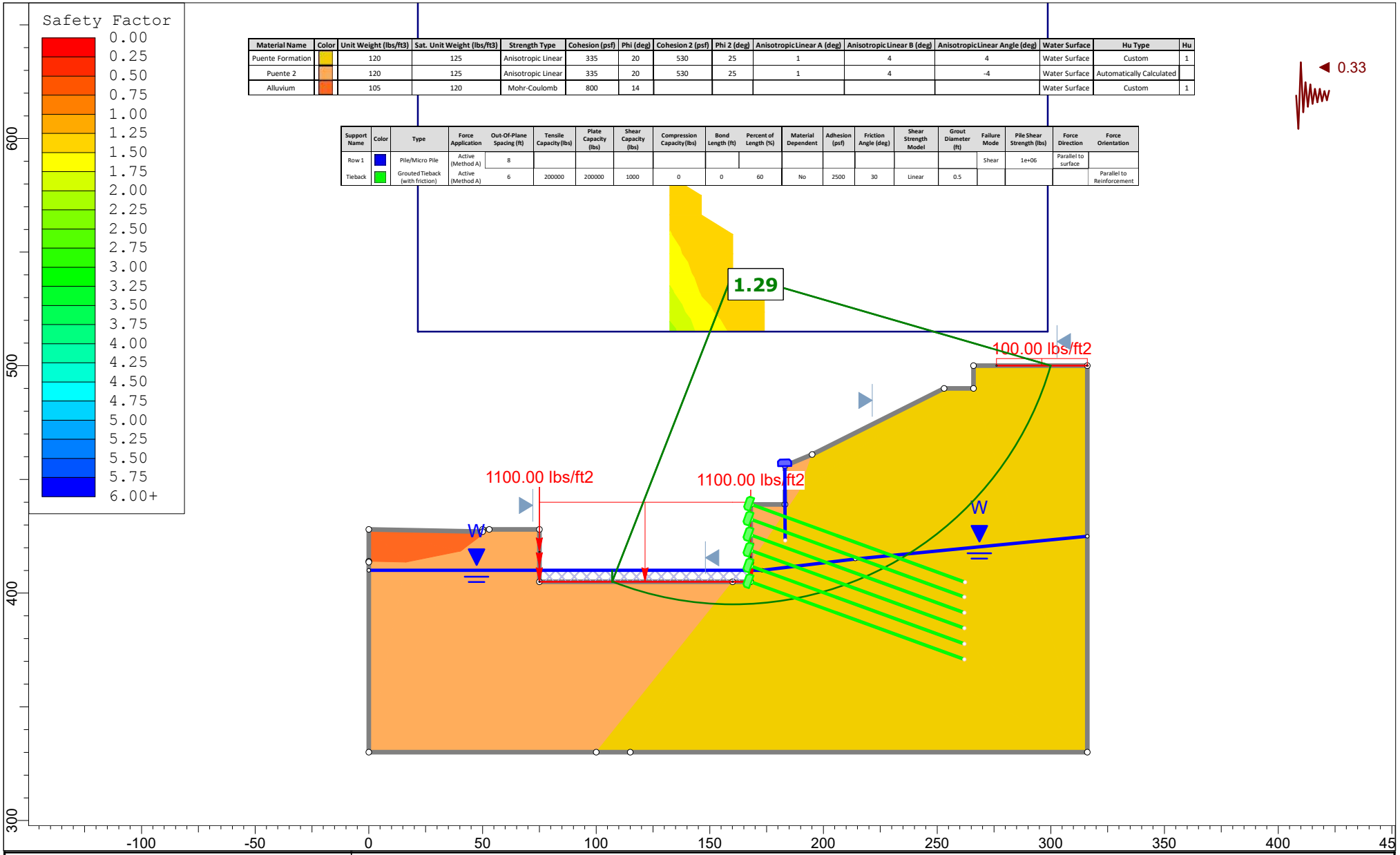
Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement



GEOTECHNOLOGIES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section G-G'', Proposed Cut		
Scale	1:600	*Comment 1*	Curved Static
Date	9/5/2023	*Location of Analysis*	Temporary Cut

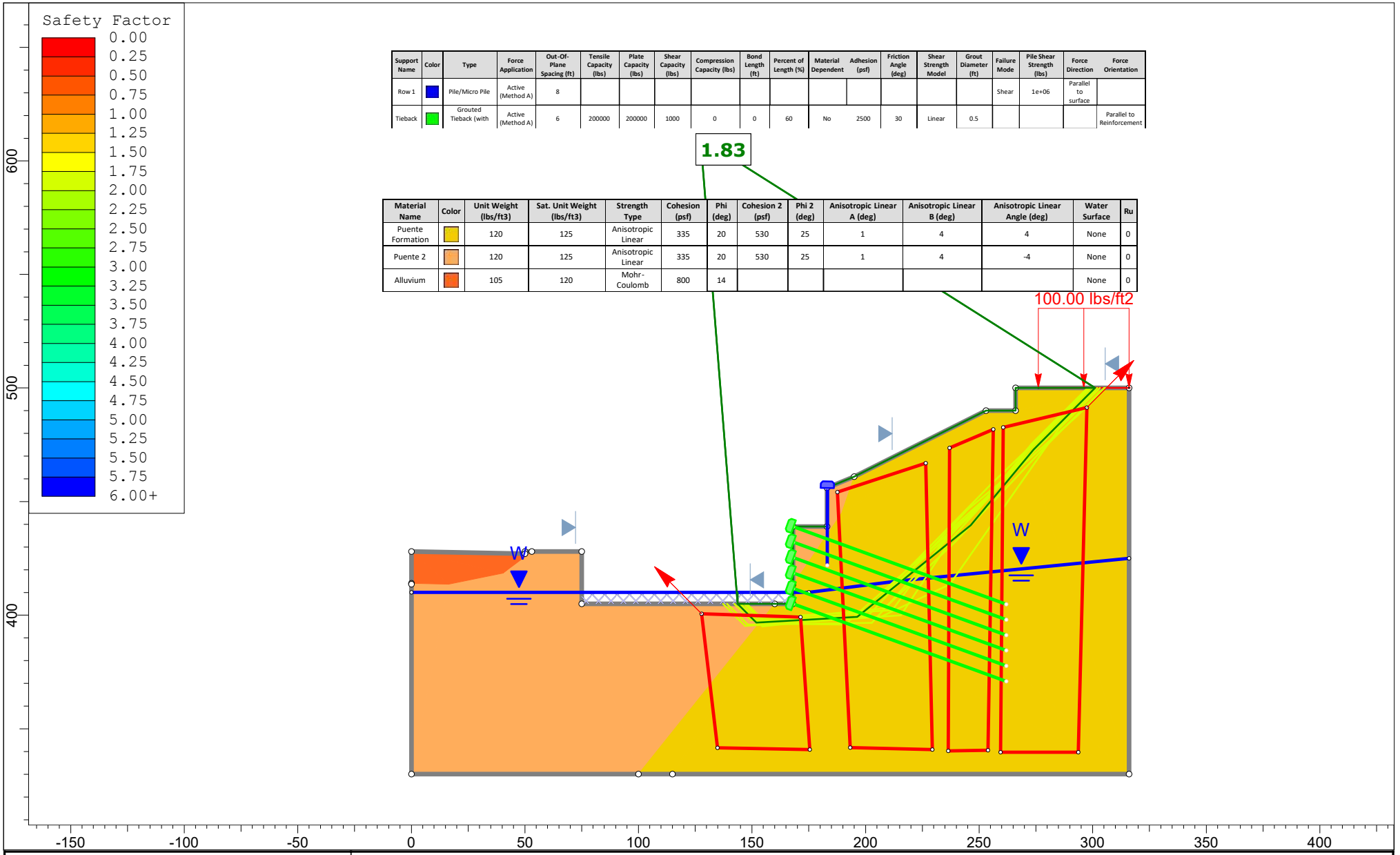


Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Hu Type	Hu
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	Water Surface	Custom	1
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	Water Surface	Automatically Calculated	
Alluvium		105	120	Mohr-Coulomb	800	14						Water Surface	Custom	1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	*Project*	File No 20486 Aragon- Sunset	
	Analysis	Cross Section G-G"', Proposed Cut	
	Scale	1:700	*Comment 1* Curved PesudoStatic
	Date	9/5/2023	*Location of Analysis* Proposed Cut

SLIDEINTERPRET 9.012



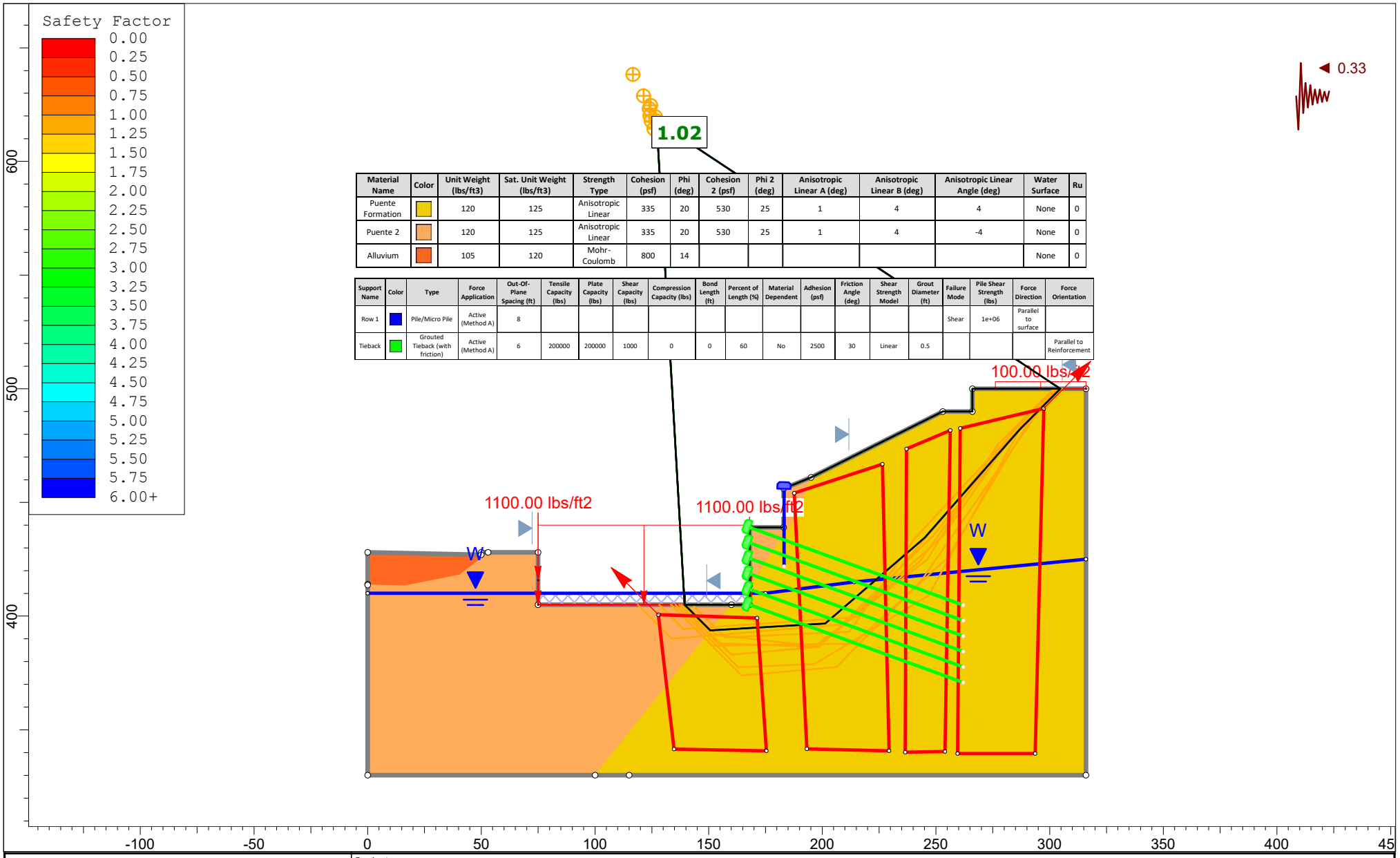
Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tieback		Grouted Tieback (with	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Ru
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	None	0
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	None	0
Alluvium		105	120	Mohr-Coulomb	800	14						None	0

GEOTECHNOLOGIES, INC.
CONSULTING GEOTECHNICAL ENGINEERS

SLIDEINTERPRET 9.012

Project	File No 20486 Aragon- Sunset		
Analysis	Cross Section G-G"', Proposed Cut		
Scale	1:700	*Comment 1*	Block Static
Date	9/5/2023	*Location of Analysis*	Proposed Cut



Material Name	Color	Unit Weight (lbs/ft3)	Sat. Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface	Ru
Puente Formation		120	125	Anisotropic Linear	335	20	530	25	1	4	4	None	0
Puente 2		120	125	Anisotropic Linear	335	20	530	25	1	4	-4	None	0
Alluvium		105	120	Mohr-Coulomb	800	14						None	0

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Failure Mode	Pile Shear Strength (lbs)	Force Direction	Force Orientation
Row 1		Pile/Micro Pile	Active (Method A)	8												Shear	1e+06	Parallel to surface	
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	0.5				Parallel to Reinforcement

GEOTECHNOLOGIES, INC. CONSULTING GEOTECHNICAL ENGINEERS	*Project*	File No 20486 Aragon- Sunset	
	Analysis	Cross Section G-G"', Proposed Cut	
	Scale	1:700	*Comment 1* Block PseudoStatic
	Date	9/5/2023	*Location of Analysis* Proposed Cut

SLIDEINTERPRET 9.012

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Slide Analysis Information

20489 GG upd9-5-23 Lower Tiebacks

Project Summary

File Name:	20489 GG upd9-5-23 Lower Tiebacks.slmd
Slide Modeler Version:	9.012
Project Title:	SLIDE - An Interactive Slope Stability Program
Author:	RTK
Company:	Geotechnologies, Inc.
Date Created:	5/10/2017, 12:08:26 AM

Currently Open Scenarios

Group Name	Scenario Name	Global Minimum	Compute Time
Curved	Master Scenario	Bishop Simplified: 2.030130 Janbu Simplified: 1.972090	00h:00m:00.454s
	Curved Static	Bishop Simplified: 2.306060 Janbu Simplified: 1.844560	00h:00m:00.216s
	Curved Pstatic	Bishop Simplified: 1.294600 Janbu Simplified: 0.970038	00h:00m:00.179s
	Block Static	Bishop Simplified: 2.079010 Janbu Simplified: 1.828030 Gle/morgenstern-price: 2.239990	00h:00m:05.580s
	Block Pseudostatic	Bishop Simplified: 1.172670 Janbu Simplified: 1.017290 Gle/morgenstern-price: 1.461370	00h:00m:02.819s

General Settings

Units of Measurement:	Imperial Units
Time Units:	days
Permeability Units:	feet/second
Data Output:	Standard
Failure Direction:	Right to Left

Analysis Options

Curved - Block Static

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	GLE/Morgenstern-Price with interslice force function (Half Sine)
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	75
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

All other Scenarios

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	75
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

Groundwater Analysis

All Open Scenarios

Groundwater Method:	Water Surfaces
Pore Fluid Unit Weight [lbs/ft3]:	62.4
Use negative pore pressure cutoff:	Yes
Maximum negative pore pressure [psf]:	0
Advanced Groundwater Method:	None

Random Numbers

All Open Scenarios

Pseudo-random Seed:	10116
Random Number Generation Method:	Park and Miller v.3

Surface Options

Curved - Block Static

Surface Type:	Non-Circular Block Search
Number of Surfaces:	5000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

All other Scenarios

Surface Type:	Circular
Search Method:	Grid Search
Radius Increment:	10
Composite Surfaces:	Disabled
Reverse Curvature:	Invalid Surfaces
Minimum Elevation [ft]:	395
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Seismic Loading

Curved - Master Scenario

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Curved - Curved Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Curved - Curved Pstatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Curved - Block Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Curved - Block Pseudostatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Loading

Curved - Master Scenario

Distribution:	Constant
Magnitude [psf]:	100
Orientation:	Normal to boundary

Curved - Curved Static

Distribution:	Constant
Magnitude [psf]:	100
Orientation:	Normal to boundary

Curved - Curved Pstatic

Distribution:	Constant
Magnitude [psf]:	100
Orientation:	Normal to boundary

Distribution:	Constant
Magnitude [psf]:	1100
Orientation:	Vertical

Curved - Block Static

Distribution:	Constant
Magnitude [psf]:	100
Orientation:	Normal to boundary

Curved - Block Pseudostatic

Distribution:	Constant
Magnitude [psf]:	100
Orientation:	Normal to boundary

Distribution:	Constant
Magnitude [psf]:	1100
Orientation:	Vertical

Materials

Puente Formation	
Color	
Strength Type	Anisotropic Linear
Unsaturated Unit Weight [lbs/ft3]	120
Saturated Unit Weight [lbs/ft3]	125
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	1
B [deg]	4
Anisotropic Definition	Angle
Angle from 1 [deg]	4
Anisotropic Surface	
Water Surface	Assigned per scenario
Ru Value	0
Puente 2	
Color	
Strength Type	Anisotropic Linear
Unsaturated Unit Weight [lbs/ft3]	120
Saturated Unit Weight [lbs/ft3]	125
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	1
B [deg]	4
Anisotropic Definition	Angle
Angle from 1 [deg]	-4
Anisotropic Surface	
Water Surface	Assigned per scenario
Ru Value	0
Alluvium	
Color	
Strength Type	Mohr-Coulomb
Unsaturated Unit Weight [lbs/ft3]	105
Saturated Unit Weight [lbs/ft3]	120
Cohesion [psf]	800
Friction Angle [deg]	14
Water Surface	Assigned per scenario
Ru Value	0

Materials In Use

Material	Curved	Curved Static	Curved Pstatic	Block Static	Block Pseudostatic
Puente Formation	✓	✓	✓	✓	✓
Puente 2	✓	✓	✓	✓	✓
Alluvium	✓	✓	✓	✓	✓

Support

Row 1	
Color	
Support Type	Pile/Micro Pile
Force Application	Active
Out-of-Plane Spacing [ft]	8
Failure Mode	Shear
Pile Shear Strength [lb]	1e+06
Force Direction	Parallel to surface

Row 2	
Color	
Support Type	Pile/Micro Pile
Force Application	Active
Out-of-Plane Spacing [ft]	6
Failure Mode	Shear
Pile Shear Strength [lb]	1e+06
Force Direction	Parallel to surface

Tieback	
Color	
Support Type	Grouted Tieback (with friction)
Force Application	Active
Force Orientation	Parallel to Reinforcement
Bond Length [percent]	60
Out-of-Plane Spacing [ft]	6
Tensile Capacity [lb]	200000
Plate Capacity [lb]	200000
Pullout Strength Adhesion [psf]	2500
Pullout Strength Friction Angle [degrees]	30
Material Dependent	No
Shear Strength Model	Linear
Use External Loads for Strength	yes
Shear Capacity [lb]	1000
Grout Diameter [ft]	0.5

Global Minimums

Curved - Master Scenario

Method: bishop simplified

FS	2.030130
Center:	183.904, 621.223
Radius:	168.731
Left Slip Surface Endpoint:	183.000, 452.494
Right Slip Surface Endpoint:	301.272, 500.000
Left Slope Intercept:	183.000 456.000
Right Slope Intercept:	301.272 500.000
Resisting Moment:	2.76617e+07 lb-ft
Driving Moment:	1.36256e+07 lb-ft
Total Slice Area:	1829.92 ft2
Surface Horizontal Width:	118.272 ft
Surface Average Height:	15.4721 ft

Method: janbu simplified

FS	1.972090
Center:	183.904, 613.107
Radius:	160.250
Left Slip Surface Endpoint:	183.000, 452.860
Right Slip Surface Endpoint:	297.424, 500.000
Left Slope Intercept:	183.000 456.000
Right Slope Intercept:	297.424 500.000
Resisting Horizontal Force:	139122 lb
Driving Horizontal Force:	70545.4 lb
Total Slice Area:	1681.13 ft2
Surface Horizontal Width:	114.424 ft
Surface Average Height:	14.6921 ft

Curved - Curved Static

Method: bishop simplified

FS	2.306060
Center:	158.051, 549.758
Radius:	154.758
Left Slip Surface Endpoint:	103.323, 405.000
Right Slip Surface Endpoint:	304.592, 500.000
Left Slope Intercept:	103.323 410.000
Right Slope Intercept:	304.592 500.000
Resisting Moment:	8.90437e+07 lb-ft
Driving Moment:	3.86129e+07 lb-ft
Active Support Moment:	-2.33815e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	8021.79 ft2
Surface Horizontal Width:	201.269 ft
Surface Average Height:	39.8561 ft

Method: janbu simplified

FS	1.844560
Center:	171.696, 524.186
Radius:	129.186
Left Slip Surface Endpoint:	121.859, 405.000
Right Slip Surface Endpoint:	298.598, 500.000
Left Slope Intercept:	121.859 410.000
Right Slope Intercept:	298.598 500.000
Resisting Horizontal Force:	455172 lb
Driving Horizontal Force:	246765 lb
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	7948.19 ft2
Surface Horizontal Width:	176.739 ft
Surface Average Height:	44.9714 ft

Curved - Curved Pstatic

Method: bishop simplified

FS	1.294600
Center:	160.108, 540.671
Radius:	145.671
Left Slip Surface Endpoint:	107.067, 405.000
Right Slip Surface Endpoint:	299.986, 500.000
Left Slope Intercept:	107.067 410.000
Right Slope Intercept:	299.986 500.000
Resisting Moment:	8.06797e+07 lb-ft
Driving Moment:	6.23202e+07 lb-ft
Active Support Moment:	-2.18375e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	7761.77 ft2
Surface Horizontal Width:	192.92 ft
Surface Average Height:	40.2332 ft

Method: janbu simplified

FS	0.970038
Center:	173.959, 523.556
Radius:	128.556
Left Slip Surface Endpoint:	124.249, 405.000
Right Slip Surface Endpoint:	300.339, 500.000
Left Slope Intercept:	124.249 410.000
Right Slope Intercept:	300.339 500.000
Resisting Horizontal Force:	455110 lb
Driving Horizontal Force:	469168 lb
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	8117.93 ft2
Surface Horizontal Width:	176.09 ft
Surface Average Height:	46.101 ft

Curved - Block Static

Method: bishop simplified

FS	2.079010
Axis Location:	126.438, 606.213
Left Slip Surface Endpoint:	144.581, 405.000
Right Slip Surface Endpoint:	298.294, 500.000
Left Slope Intercept:	144.581 410.000
Right Slope Intercept:	298.294 500.000
Resisting Moment:	8.76275e+07 lb-ft
Driving Moment:	4.21486e+07 lb-ft
Active Support Moment:	-3.19193e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	5400.37 ft2
Surface Horizontal Width:	153.713 ft
Surface Average Height:	35.1328 ft

Method: janbu simplified

FS	1.828030
Axis Location:	127.300, 609.917
Left Slip Surface Endpoint:	143.591, 405.000
Right Slip Surface Endpoint:	301.008, 500.000
Left Slope Intercept:	143.591 410.000
Right Slope Intercept:	301.008 500.000
Resisting Horizontal Force:	352487 lb
Driving Horizontal Force:	192824 lb
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	5806.19 ft2
Surface Horizontal Width:	157.417 ft
Surface Average Height:	36.8842 ft

Method: gle/morgenstern-price

FS	2.239990
Axis Location:	127.708, 602.525
Left Slip Surface Endpoint:	147.695, 405.000
Right Slip Surface Endpoint:	297.720, 500.000
Left Slope Intercept:	147.695 410.000
Right Slope Intercept:	297.720 500.000
Resisting Moment:	9.17968e+07 lb-ft
Driving Moment:	4.09808e+07 lb-ft
Resisting Horizontal Force:	372261 lb
Driving Horizontal Force:	166188 lb
Active Support Moment:	-3.13107e+07 lb-ft
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	5477.35 ft2
Surface Horizontal Width:	150.025 ft
Surface Average Height:	36.5095 ft

Curved - Block Pseudostatic

Method: bishop simplified

FS	1.172670
Axis Location:	127.034, 617.745
Left Slip Surface Endpoint:	139.412, 405.000
Right Slip Surface Endpoint:	304.657, 500.000
Left Slope Intercept:	139.412 410.000
Right Slope Intercept:	304.657 500.000
Resisting Moment:	1.01732e+08 lb-ft
Driving Moment:	8.67525e+07 lb-ft
Active Support Moment:	-3.4137e+07 lb-ft
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	6490.93 ft2
Surface Horizontal Width:	165.245 ft
Surface Average Height:	39.2806 ft

Method: janbu simplified

FS	1.017290
Axis Location:	127.034, 617.745
Left Slip Surface Endpoint:	139.412, 405.000
Right Slip Surface Endpoint:	304.657, 500.000
Left Slope Intercept:	139.412 410.000
Right Slope Intercept:	304.657 500.000
Resisting Horizontal Force:	374808 lb
Driving Horizontal Force:	368440 lb
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	6490.93 ft2
Surface Horizontal Width:	165.245 ft
Surface Average Height:	39.2806 ft

Method: gle/morgenstern-price

FS	1.461370
Axis Location:	129.553, 603.876
Left Slip Surface Endpoint:	148.865, 405.000
Right Slip Surface Endpoint:	300.241, 500.000
Left Slope Intercept:	148.865 410.000
Right Slope Intercept:	300.241 500.000
Resisting Moment:	8.44511e+07 lb-ft
Driving Moment:	5.7789e+07 lb-ft
Resisting Horizontal Force:	371413 lb
Driving Horizontal Force:	254154 lb
Active Support Moment:	-3.16757e+07 lb-ft
Active Horizontal Support Force:	-188281 lb
Maximum Single Support Force:	33333.3 lb
Total Support Force:	200000 lb
Total Slice Area:	5331.99 ft2
Surface Horizontal Width:	151.376 ft
Surface Average Height:	35.2234 ft

Global Minimum Coordinates

Curved - Block Static

Method: bishop simplified

X	Y
144.581	405
154.565	395.016
198.199	399.547
255.597	458.054
272.965	474.67
298.294	500

Method: janbu simplified

X	Y
143.591	405
151.936	396.655
196.375	399.173
246.331	439.546
273.868	472.86
301.008	500

Method: gle/morgenstern-price

X	Y
147.695	405
156.431	396.264
190.845	395.807
252.202	449.762
273.052	475.332
297.72	500

Curved - Block Pseudostatic

Method: bishop simplified

X	Y
139.412	405
150.666	393.746
201.24	396.76
245.12	434.531
286.963	482.306
304.657	500

Method: janbu simplified

X	Y
139.412	405
150.666	393.746
201.24	396.76
245.12	434.531
286.963	482.306
304.657	500

Method: gle/morgenstern-price

X	Y
148.865	405
158.065	395.8
213.111	423.922
246.201	431.645
286.749	486.508
300.241	500

Global Minimum Support Data

Curved - Master Scenario

Method: bishop simplified

Number of Supports: 2

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.124, 451.843	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Row 2

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168.084, 439.15	60	Not Effective	Not Effective	Not Effective	Not Effective	0

Method: janbu simplified

Number of Supports: 2

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.124, 451.843	25	Not Effective	Not Effective	Not Effective	Not Effective	0

Row 2

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168.084, 439.15	60	Not Effective	Not Effective	Not Effective	Not Effective	0

Curved - Curved Static

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.03, 455.934	34.0911	Not Effective	Not Effective	Not Effective	Not Effective	0
Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	70.2875	29.7125	30.2875	29.7125	33333.3
168, 432.305	100	62.2976	37.7024	22.2976	37.7024	33333.3
168, 425.61	100	53.6319	46.3681	13.6319	46.3681	33333.3
168, 418.915	100	44.1609	55.8391	4.16088	55.8391	33333.3
168, 412.22	100	33.6696	66.3304	0	60	33333.3
168, 405.525	100	21.8867	78.1133	0	60	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.03, 455.934	34.0911	Not Effective	Not Effective	Not Effective	Not Effective	0
Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	74.71	25.29	34.71	25.29	33333.3
168, 432.305	100	66.9833	33.0167	26.9833	33.0167	33333.3
168, 425.61	100	58.4762	41.5238	18.4762	41.5238	33333.3
168, 418.915	100	49.0069	50.9931	9.00692	50.9931	33333.3
168, 412.22	100	38.3094	61.6906	0	60	33333.3
168, 405.525	100	25.8995	74.1005	0	60	33333.3

Curved - Curved Pstatic

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
182.917, 456.086	32.95	Not Effective	Not Effective	Not Effective	Not Effective	0
Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168.283, 439	100	69.8722	30.1278	29.8722	30.1278	33333.3
168, 432.427	100	62.3932	37.6068	22.3932	37.6068	33333.3
168, 425.57	100	53.7006	46.2994	13.7006	46.2994	33333.3
168, 418.713	100	44.1165	55.8835	4.11649	55.8835	33333.3
168, 411.857	100	33.4492	66.5508	0	60	33333.3
168, 405	100	21.3132	78.6868	0	60	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
182.917, 456.086	32.95	Not Effective	Not Effective	Not Effective	Not Effective	0
Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168.283, 439	100	75.8992	24.1008	35.8992	24.1008	33333.3
168, 432.427	100	68.4347	31.5653	28.4347	31.5653	33333.3
168, 425.57	100	59.6456	40.3544	19.6456	40.3544	33333.3
168, 418.713	100	49.8127	50.1873	9.81269	50.1873	33333.3
168, 411.857	100	38.6299	61.3701	0	60	33333.3
168, 405	100	25.5199	74.4801	0	60	33333.3

Curved - Block Static

Method: bishop simplified

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tieback

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168, 439	100	54.0331	45.9669	14.0331	45.9669	33333.3
168, 432.2	100	48.8019	51.1981	8.80186	51.1981	33333.3
168, 425.4	100	43.5706	56.4294	3.5706	56.4294	33333.3
168, 418.6	100	38.3393	61.6607	0	60	33333.3
168, 411.8	100	33.1081	66.8919	0	60	33333.3
168, 405	100	19.5386	80.4614	0	60	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tieback

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168, 439	100	56.9783	43.0217	16.9783	43.0217	33333.3
168, 432.2	100	50.8047	49.1953	10.8047	49.1953	33333.3
168, 425.4	100	44.631	55.369	4.63101	55.369	33333.3
168, 418.6	100	38.4574	61.5426	0	60	33333.3
168, 411.8	100	32.2837	67.7163	0	60	33333.3
168, 405	100	18.8096	81.1904	0	60	33333.3

Method: gle/morgenstern-price

Number of Supports: 7

Row 1

Support Type: Pile/Micro Pile

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tieback

Support Type: Grouted Tieback (with friction)

Start (x, y)	Length (ft)	L Inside SS (ft)	L Outside SS (ft)	Li (ft)	Lo (ft)	Force (lb)
168, 439	100	54.1638	45.8362	14.1638	45.8362	33333.3
168, 432.2	100	48.3436	51.6564	8.3436	51.6564	33333.3
168, 425.4	100	42.5234	57.4766	2.52344	57.4766	33333.3
168, 418.6	100	36.7033	63.2967	0	60	33333.3
168, 411.8	100	30.8831	69.1169	0	60	33333.3
168, 405	100	25.063	74.937	0	60	33333.3

Curved - Block Pseudostatic

Method: bishop simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0
Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	61.5632	38.4368	21.5632	38.4368	33333.3
168, 432.2	100	55.6547	44.3453	15.6547	44.3453	33333.3
168, 425.4	100	49.7462	50.2538	9.74625	50.2538	33333.3
168, 418.6	100	43.8378	56.1622	3.83778	56.1622	33333.3
168, 411.8	100	37.9293	62.0707	0	60	33333.3
168, 405	100	25.6803	74.3197	0	60	33333.3

Method: janbu simplified

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0
Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	61.5632	38.4368	21.5632	38.4368	33333.3
168, 432.2	100	55.6547	44.3453	15.6547	44.3453	33333.3
168, 425.4	100	49.7462	50.2538	9.74625	50.2538	33333.3
168, 418.6	100	43.8378	56.1622	3.83778	56.1622	33333.3
168, 411.8	100	37.9293	62.0707	0	60	33333.3
168, 405	100	25.6803	74.3197	0	60	33333.3

Method: gle/morgenstern-price

Number of Supports: 7

Row 1						
Support Type: Pile/Micro Pile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
183.2, 456.224	34.3811	Not Effective	Not Effective	Not Effective	Not Effective	0

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
168, 439	100	46.3749	53.6251	6.37491	53.6251	33333.3
168, 432.2	100	38.1034	61.8966	0	60	33333.3
168, 425.4	100	29.8319	70.1681	0	60	33333.3
168, 418.6	100	21.5603	78.4397	0	60	33333.3
168, 411.8	100	13.2888	86.7112	0	60	33333.3
168, 405	100	5.01727	94.9827	0	60	33333.3

Valid and Invalid Surfaces

Curved - Master Scenario

Method: bishop simplified

Number of Valid Surfaces:	2966
Number of Invalid Surfaces:	6295

Error Codes

Error Code -106 reported for 358 surfaces
Error Code -107 reported for 4318 surfaces
Error Code -108 reported for 2 surfaces
Error Code -1000 reported for 1617 surfaces

Method: janbu simplified

Number of Valid Surfaces:	2734
Number of Invalid Surfaces:	6527

Error Codes

Error Code -106 reported for 351 surfaces
Error Code -107 reported for 4318 surfaces
Error Code -108 reported for 2 surfaces
Error Code -111 reported for 239 surfaces
Error Code -1000 reported for 1617 surfaces

Curved - Curved Static

Method: bishop simplified

Number of Valid Surfaces:	654
Number of Invalid Surfaces:	8607

Error Codes

Error Code -113 reported for 18 surfaces
Error Code -1000 reported for 8589 surfaces

Method: janbu simplified

Number of Valid Surfaces:	654
Number of Invalid Surfaces:	8607

Error Codes

Error Code -113 reported for 18 surfaces
Error Code -1000 reported for 8589 surfaces

Curved - Curved Pstatic

Method: bishop simplified

Number of Valid Surfaces:	551
Number of Invalid Surfaces:	8710

Error Codes

Error Code -113 reported for 16 surfaces
Error Code -1000 reported for 8694 surfaces

Method: janbu simplified

Number of Valid Surfaces:	551
Number of Invalid Surfaces:	8710

Error Codes

Error Code -113 reported for 16 surfaces
Error Code -1000 reported for 8694 surfaces

Curved - Block Static

Method: bishop simplified

Number of Valid Surfaces:	1601
Number of Invalid Surfaces:	2855

Error Codes

Error Code -105 reported for 2834 surfaces
Error Code -108 reported for 5 surfaces
Error Code -111 reported for 13 surfaces
Error Code -112 reported for 3 surfaces

Method: janbu simplified

Number of Valid Surfaces:	1498
Number of Invalid Surfaces:	2958

Error Codes

Error Code -105 reported for 2834 surfaces
Error Code -108 reported for 2 surfaces
Error Code -111 reported for 121 surfaces
Error Code -112 reported for 1 surface

Method: gle/morgenstern-price

Number of Valid Surfaces:	716
Number of Invalid Surfaces:	3740

Error Codes

Error Code -105 reported for 2834 surfaces
Error Code -108 reported for 39 surfaces
Error Code -111 reported for 865 surfaces
Error Code -112 reported for 2 surfaces

Curved - Block Pseudostatic

Method: bishop simplified

Number of Valid Surfaces:	3181
Number of Invalid Surfaces:	1819

Error Codes

Error Code -105 reported for 380 surfaces
Error Code -108 reported for 9 surfaces
Error Code -111 reported for 1417 surfaces
Error Code -112 reported for 13 surfaces

Method: janbu simplified

Number of Valid Surfaces:	2643
Number of Invalid Surfaces:	2357

Error Codes
Error Code -105 reported for 380 surfaces
Error Code -108 reported for 4 surfaces
Error Code -111 reported for 1971 surfaces
Error Code -112 reported for 2 surfaces

Method: gle/morgenstern-price

Number of Valid Surfaces:	290
Number of Invalid Surfaces:	4710

Error Codes
Error Code -105 reported for 380 surfaces
Error Code -108 reported for 25 surfaces
Error Code -111 reported for 4299 surfaces
Error Code -112 reported for 6 surfaces

Error Code Descriptions

The following errors were encountered during the computation:

-105 = More than two surface / slope intersections with no valid slip surface.

-106 = Average slice width is less than 0.0001 * (maximum horizontal extent of soil region). This limitation is imposed to avoid numerical errors which may result from too many slices, or too small a slip region.

-107 = Total driving moment or total driving force is negative. This will occur if the wrong failure direction is specified, or if high external or anchor loads are applied against the failure direction.

-108 = Total driving moment or total driving force < 0.1. This is to limit the calculation of extremely high safety factors if the driving force is very small (0.1 is an arbitrary number).

-111 = Safety factor equation did not converge

-112 = The coefficient M-Alpha = cos(alpha)(1+tan(alpha)tan(phi)/F) < 0.2 for the final iteration of the safety factor calculation. This screens out some slip surfaces which may not be valid in the context of the analysis, in particular, deep seated slip surfaces with many high negative base angle slices in the passive zone.

-113 = Surface intersects outside slope limits.

-1000 = No valid slip surface is generated

Slice Data

Curved - Master Scenario

Global Minimum Query (bishop simplified) - Safety Factor: 2.03013

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.28593	1091.92	0.0810848	Puente 2	530	25	370.664	752.497	477.145	0	477.145	477.669	477.669
2	2.28593	1348.06	0.857365	Puente 2	530	25	395.164	802.235	583.811	0	583.811	589.725	589.725
3	2.28593	1595.7	1.6338	Puente 2	530	25	418.664	849.942	686.116	0	686.116	698.057	698.057
4	2.28593	1834.83	2.41054	Puente 2	530	25	441.17	895.633	784.102	0	784.102	802.674	802.674
5	2.37236	2147.89	3.20243	Puente Formation	335	20	324.086	657.936	887.261	0	887.261	905.394	905.394
6	2.37236	2404.56	4.00963	Puente Formation	335	20	342.431	695.18	989.586	0	989.586	1013.59	1013.59
7	2.37236	2688.94	4.81763	Puente Formation	335	20	362.745	736.42	1102.89	0	1102.89	1133.47	1133.47
8	2.37236	2964.9	5.62659	Puente Formation	375.729	21.0739	414.551	841.592	1208.95	0	1208.95	1249.79	1249.79
9	2.37236	3231.21	6.43668	Puente Formation	428.384	22.4396	477.14	968.656	1308.23	0	1308.23	1362.06	1362.06
10	2.37236	3487.86	7.24807	Puente Formation	481.124	23.7811	541.182	1098.67	1401.42	0	1401.42	1470.25	1470.25
11	2.37236	3734.77	8.06092	Puente Formation	530	25	603.064	1224.3	1488.93	0	1488.93	1574.33	1574.33
12	2.37236	3971.9	8.8754	Puente Formation	530	25	623.286	1265.35	1576.97	0	1576.97	1674.3	1674.3
13	2.37236	4199.18	9.6917	Puente Formation	530	25	642.448	1304.25	1660.39	0	1660.39	1770.11	1770.11
14	2.37236	4416.54	10.51	Puente Formation	530	25	660.549	1341	1739.19	0	1739.19	1861.74	1861.74
15	2.37236	4623.92	11.3305	Puente Formation	530	25	677.591	1375.6	1813.39	0	1813.39	1949.16	1949.16
16	2.37236	4821.22	12.1533	Puente Formation	530	25	693.573	1408.04	1882.97	0	1882.97	2032.34	2032.34
17	2.37236	5008.35	12.9787	Puente Formation	530	25	708.495	1438.34	1947.93	0	1947.93	2111.22	2111.22
18	2.37236	5185.22	13.8068	Puente Formation	530	25	722.354	1466.47	2008.27	0	2008.27	2185.79	2185.79
19	2.37236	5351.72	14.6379	Puente Formation	530	25	735.148	1492.45	2063.97	0	2063.97	2255.98	2255.98
20	2.37236	5507.74	15.4721	Puente Formation	530	25	746.873	1516.25	2115.02	0	2115.02	2321.75	2321.75
21	2.37236	5653.14	16.3097	Puente Formation	530	25	757.528	1537.88	2161.4	0	2161.4	2383.05	2383.05
22	2.37236	5787.8	17.151	Puente Formation	530	25	767.104	1557.32	2203.08	0	2203.08	2439.82	2439.82
23	2.37236	5911.58	17.996	Puente Formation	530	25	775.596	1574.56	2240.06	0	2240.06	2492.01	2492.01
24	2.37236	6024.32	18.8451	Puente Formation	530	25	782.999	1589.59	2272.29	0	2272.29	2539.54	2539.54
25	2.37236	6125.85	19.6986	Puente Formation	530	25	789.304	1602.39	2299.75	0	2299.75	2582.34	2582.34
26	2.37236	6216	20.5566	Puente Formation	530	25	794.506	1612.95	2322.4	0	2322.4	2620.35	2620.35
27	2.37236	6294.58	21.4194	Puente Formation	530	25	798.599	1621.26	2340.21	0	2340.21	2653.49	2653.49
28	2.37236	6361.39	22.2874	Puente Formation	530	25	801.564	1627.28	2353.11	0	2353.11	2681.65	2681.65
29	2.37236	6416.2	23.1608	Puente Formation	530	25	803.392	1630.99	2361.09	0	2361.09	2704.77	2704.77
30	2.37236	6438.38	24.04	Puente Formation	530	25	802.284	1628.74	2356.25	0	2356.25	2714.12	2714.12
31	2.37236	6202.66	24.9252	Puente Formation	530	25	778.556	1580.57	2252.95	0	2252.95	2614.76	2614.76

32	2.37236	5882.36	25.8168	Puente Formation	530	25	747.579	1517.68	2118.09	0	2118.09	2479.76	2479.76
33	2.37236	5549.05	26.7152	Puente Formation	530	25	715.649	1452.86	1979.08	0	1979.08	2339.25	2339.25
34	2.37236	5202.41	27.6207	Puente Formation	530	25	682.757	1386.09	1835.88	0	1835.88	2193.14	2193.14
35	2.37236	4842.11	28.5338	Puente Formation	530	25	648.891	1317.33	1688.44	0	1688.44	2041.26	2041.26
36	2.37236	6938.71	29.4549	Puente Formation	530	25	825.819	1676.52	2458.72	0	2458.72	2925.09	2925.09
37	2.37236	6925.93	30.3844	Puente Formation	530	25	821.12	1666.98	2438.26	0	2438.26	2919.71	2919.71
38	2.37236	6522.44	31.3228	Puente Formation	530	25	783.167	1589.93	2273.02	0	2273.02	2749.62	2749.62
39	2.37236	6103.7	32.2707	Puente Formation	530	25	744.16	1510.74	2103.21	0	2103.21	2573.12	2573.12
40	2.37236	5669.25	33.2286	Puente Formation	530	25	716.477	1454.54	1982.69	0	1982.69	2452.05	2452.05
41	2.37236	5218.57	34.1972	Puente Formation	530	25	682.792	1386.16	1836.03	0	1836.03	2300.01	2300.01
42	2.37236	4751.1	35.1769	Puente Formation	530	25	640.422	1300.14	1651.57	0	1651.57	2102.95	2102.95
43	2.37236	4266.23	36.1687	Puente Formation	530	25	596.921	1211.83	1462.18	0	1462.18	1898.56	1898.56
44	2.37236	3763.3	37.1731	Puente Formation	530	25	552.266	1121.17	1267.77	0	1267.77	1686.56	1686.56
45	2.37236	3241.58	38.1911	Puente Formation	530	25	506.433	1028.13	1068.23	0	1068.23	1466.63	1466.63
46	2.37236	2700.3	39.2236	Puente Formation	530	25	459.398	932.638	863.461	0	863.461	1238.45	1238.45
47	2.37236	2138.57	40.2714	Puente Formation	530	25	411.135	834.657	653.34	0	653.34	1001.66	1001.66
48	2.37236	1555.45	41.3358	Puente Formation	530	25	361.615	734.126	437.749	0	437.749	755.836	755.836
49	2.37236	949.867	42.4179	Puente Formation	530	25	310.811	630.986	216.566	0	216.566	500.553	500.553
50	2.37236	320.663	43.519	Puente Formation	530	25	258.691	525.177	-10.3435	0	-10.3435	235.308	235.308

Global Minimum Query (janbu simplified) - Safety Factor: 1.97209

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.31887	1007.7	0.0912652	Puente 2	530	25	371.365	732.366	433.974	0	433.974	434.565	434.565
2	2.31887	1270.86	0.920415	Puente 2	530	25	396.83	782.585	541.668	0	541.668	548.044	548.044
3	2.31887	1524.68	1.74976	Puente 2	530	25	421.175	830.595	644.63	0	644.63	657.496	657.496
4	2.31887	1769.15	2.57947	Puente 2	530	25	444.409	876.415	742.889	0	742.889	762.91	762.91
5	2.28584	1974.12	3.4038	Puente Formation	335	20	325.683	642.276	844.231	0	844.231	863.602	863.602
6	2.28584	2210.64	4.22292	Puente Formation	335	20	343.669	677.747	941.692	0	941.692	967.068	967.068
7	2.28584	2472.37	5.04291	Puente Formation	337.789	20.074	365.72	721.233	1049.28	0	1049.28	1081.56	1081.56
8	2.28584	2726.01	5.86393	Puente Formation	391.156	21.4767	427.497	843.062	1148.6	0	1148.6	1192.51	1192.51
9	2.28584	2970.57	6.68617	Puente Formation	444.601	22.8549	490.881	968.061	1241.93	0	1241.93	1299.47	1299.47
10	2.28584	3205.99	7.50979	Puente Formation	498.136	24.208	555.616	1095.73	1329.2	0	1329.2	1402.45	1402.45
11	2.28584	3432.24	8.33497	Puente Formation	530	25	602.877	1188.93	1413.08	0	1413.08	1501.4	1501.4
12	2.28584	3649.25	9.1619	Puente Formation	530	25	622.468	1227.56	1495.93	0	1495.93	1596.32	1596.32
13	2.28584	3856.96	9.99076	Puente Formation	530	25	640.99	1264.09	1574.26	0	1574.26	1687.18	1687.18
14	2.28584	4055.31	10.8217	Puente Formation	530	25	658.442	1298.51	1648.07	0	1648.07	1773.93	1773.93
15	2.28584	4244.22	11.655	Puente Formation	530	25	674.826	1330.82	1717.36	0	1717.36	1856.56	1856.56
16	2.28584	4423.61	12.4908	Puente Formation	530	25	690.142	1361.02	1782.13	0	1782.13	1935.02	1935.02
17	2.28584	4593.39	13.3293	Puente Formation	530	25	704.388	1389.12	1842.38	0	1842.38	2009.27	2009.27
18	2.28584	4753.45	14.1708	Puente Formation	530	25	717.562	1415.1	1898.1	0	1898.1	2079.28	2079.28
19	2.28584	4903.71	15.0153	Puente Formation	530	25	729.662	1438.96	1949.27	0	1949.27	2144.99	2144.99
20	2.28584	5044.03	15.8632	Puente Formation	530	25	740.684	1460.7	1995.88	0	1995.88	2206.36	2206.36
21	2.28584	5174.3	16.7147	Puente Formation	530	25	750.624	1480.3	2037.92	0	2037.92	2263.33	2263.33
22	2.28584	5294.4	17.57	Puente Formation	530	25	759.478	1497.76	2075.37	0	2075.37	2315.85	2315.85
23	2.28584	5404.16	18.4294	Puente Formation	530	25	767.238	1513.06	2108.18	0	2108.18	2363.85	2363.85
24	2.28584	5503.45	19.2931	Puente Formation	530	25	773.899	1526.2	2136.35	0	2136.35	2407.26	2407.26
25	2.28584	5592.11	20.1614	Puente Formation	530	25	779.452	1537.15	2159.84	0	2159.84	2446.03	2446.03
26	2.28584	5669.94	21.0345	Puente Formation	530	25	783.889	1545.9	2178.61	0	2178.61	2480.06	2480.06
27	2.28584	5736.78	21.9128	Puente Formation	530	25	787.205	1552.44	2192.62	0	2192.62	2509.28	2509.28
28	2.28584	5792.41	22.7965	Puente Formation	530	25	789.381	1556.73	2201.83	0	2201.83	2533.6	2533.6
29	2.28584	5836.63	23.686	Puente Formation	530	25	790.41	1558.76	2206.18	0	2206.18	2552.92	2552.92
30	2.28584	5869.19	24.5816	Puente Formation	530	25	790.278	1558.5	2205.63	0	2205.63	2567.14	2567.14
31	2.28584	5860.26	25.4837	Puente Formation	530	25	786.227	1550.51	2188.49	0	2188.49	2563.22	2563.22
32	2.28584	5605.39	26.3926	Puente Formation	530	25	759.365	1497.54	2074.89	0	2074.89	2451.72	2451.72
33	2.28584	5287.94	27.3087	Puente Formation	530	25	726.887	1433.49	1937.53	0	1937.53	2312.85	2312.85
34	2.28584	4957.74	28.2324	Puente Formation	530	25	693.438	1367.52	1796.07	0	1796.07	2168.4	2168.4
35	2.28584	4614.46	29.1642	Puente Formation	530	25	659.007	1299.62	1650.45	0	1650.45	2018.22	2018.22

36	2.28584	4257.74	30.1045	Puente Formation	530	25	623.58	1229.76	1500.63	0	1500.63	1862.18	1862.18
37	2.28584	5937.14	31.0539	Puente Formation	530	25	772.736	1523.9	2131.43	0	2131.43	2596.73	2596.73
38	2.28584	6245.44	32.0128	Puente Formation	530	25	796.845	1571.45	2233.39	0	2233.39	2731.56	2731.56
39	2.28584	5845.99	32.9819	Puente Formation	530	25	757.138	1493.14	2065.47	0	2065.47	2556.82	2556.82
40	2.28584	5431.38	33.9618	Puente Formation	530	25	716.349	1412.7	1892.96	0	1892.96	2375.45	2375.45
41	2.28584	5001.09	34.953	Puente Formation	530	25	681.338	1343.66	1744.9	0	1744.9	2221.15	2221.15
42	2.28584	4554.54	35.9565	Puente Formation	530	25	651.616	1285.05	1619.2	0	1619.2	2091.87	2091.87
43	2.28584	4091.12	36.9728	Puente Formation	530	25	607.339	1197.73	1431.95	0	1431.95	1889.16	1889.16
44	2.28584	3610.15	38.0029	Puente Formation	530	25	561.888	1108.09	1239.73	0	1239.73	1678.77	1678.77
45	2.28584	3110.89	39.0477	Puente Formation	530	25	515.239	1016.1	1042.44	0	1042.44	1460.38	1460.38
46	2.28584	2592.51	40.1081	Puente Formation	530	25	467.364	921.683	839.965	0	839.965	1233.64	1233.64
47	2.28584	2054.13	41.1854	Puente Formation	530	25	418.235	824.797	632.193	0	632.193	998.142	998.142
48	2.28584	1494.74	42.2808	Puente Formation	530	25	367.824	725.383	419	0	419	753.468	753.468
49	2.28584	913.249	43.3955	Puente Formation	530	25	316.101	623.379	200.252	0	200.252	499.126	499.126
50	2.28584	308.415	44.5311	Puente Formation	530	25	263.032	518.723	-24.183	0	-24.183	234.579	234.579

Curved - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.30606

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	4.06408	1641.88	-19.9097	Puente 2	530	25	258.013	594.994	497.301	357.92	139.381	403.852	45.9321
2	4.06408	2357.5	-18.317	Puente 2	530	25	275.384	635.052	671.106	445.822	225.284	579.941	134.119
3	4.06408	3009.71	-16.7389	Puente 2	530	25	290.893	670.816	827.916	525.934	301.982	740.429	214.495
4	4.06408	3600.14	-15.1738	Puente 2	530	25	304.621	702.474	968.33	598.458	369.872	885.716	287.258
5	4.06408	4130.23	-13.6201	Puente 2	530	25	316.639	730.189	1092.88	663.57	429.307	1016.16	352.586
6	4.06408	4601.22	-12.0767	Puente 2	530	25	327.011	754.108	1202.02	721.422	480.601	1132.06	410.635
7	4.06408	5014.19	-10.542	Puente 2	530	25	335.792	774.357	1296.17	772.149	524.025	1233.68	461.535
8	4.06408	5370.08	-9.01503	Puente 2	530	25	343.031	791.051	1375.69	815.863	559.826	1321.27	505.403
9	4.06408	5669.66	-7.49446	Puente 2	497.14	24.1831	329.634	760.156	1438.36	852.661	585.702	1395	542.337
10	4.06408	5913.58	-5.97919	Puente 2	398.647	21.6715	276.496	637.617	1484	882.623	601.375	1455.04	572.416
11	4.06408	6102.36	-4.4681	Puente 2	335	20	242.277	558.706	1520.44	905.812	614.626	1501.51	595.694
12	4.06408	6236.41	-2.96013	Puente 2	337.592	20.0688	245.393	565.891	1547.19	922.277	624.911	1534.5	612.222
13	4.04918	6292.79	-1.45696	Puente Formation	530	25	357.448	824.296	1563.17	932.047	631.12	1554.08	622.029
14	4.04918	6318.09	0.0424429	Puente Formation	527.241	24.9318	354.604	817.737	1560.08	935.166	624.911	1560.34	625.173
15	4.04918	6289.75	1.54187	Puente Formation	429.778	22.4754	296.468	683.672	1545.37	931.672	613.699	1553.35	621.679
16	4.04918	7302.1	3.04236	Puente Formation	335	20	282.083	650.5	1788.38	921.557	866.828	1803.38	881.82
17	4.04918	21430.3	4.54494	Puente Formation	335	20	827.424	1908.09	5226.85	904.8	4322.05	5292.62	4387.82
18	4.04918	21243.2	6.05067	Puente Formation	403.293	21.7921	913.347	2106.23	5149.66	890.283	4259.38	5246.47	4356.19
19	4.04918	21007.1	7.5606	Puente Formation	501.439	24.2905	1032.48	2380.97	5051.16	886.627	4164.53	5188.2	4301.57
20	4.04918	23801	9.07584	Puente Formation	530	25	1202.46	2772.95	5686.21	876.182	4810.03	5878.3	5002.11
21	4.04918	29340.1	10.5975	Puente Formation	530	25	1465.98	3380.64	6972.08	858.868	6113.22	7246.37	6387.5
22	4.04918	29756.6	12.1268	Puente Formation	530	25	2020.91	4660.33	9692.11	834.589	8857.52	10126.3	9291.75
23	4.04918	30129	13.6649	Puente Formation	530	25	1498.45	3455.51	7077.02	803.232	6273.79	7441.33	6638.1
24	4.04918	30564.3	15.2131	Puente Formation	530	25	2050.47	4728.51	9768.41	764.665	9003.75	10326	9561.35
25	4.04918	30969.1	16.7728	Puente Formation	530	25	1537.48	3545.53	7185.57	718.737	6466.84	7648.97	6930.23
26	4.04918	31312.8	18.3454	Puente Formation	530	25	1554.92	3585.74	7218.32	665.271	6553.05	7733.93	7068.66
27	4.04918	31593.8	19.9325	Puente Formation	530	25	2093.65	4828.08	9821.32	604.069	9217.25	10580.6	9976.48
28	4.04918	31810.1	21.5357	Puente Formation	530	25	1584.01	3652.82	7231.82	534.904	6696.91	7856.91	7322.01
29	4.04918	31959.8	23.1568	Puente Formation	530	25	2112.43	4871.4	9767.67	457.518	9310.15	10671.2	10213.7
30	4.04918	32040.4	24.7978	Puente Formation	530	25	1605.02	3701.27	7172.42	371.619	6800.8	7913.97	7542.35
31	4.04918	32049.3	26.4608	Puente Formation	530	25	2122.55	4894.73	9637.05	276.874	9360.18	10693.5	10416.6
32	4.04918	31983.3	28.1482	Puente Formation	530	25	1617.36	3729.72	7034.72	172.905	6861.81	7900.05	7727.15
33	4.04918	31839	29.8627	Puente Formation	530	25	2123.22	4896.27	9422.78	59.2795	9363.5	10641.8	10582.6
34	3.96867	31007	31.5895	Puente Formation	530	25	1609.82	3712.33	6824.51	0	6824.51	7814.47	7814.47
35	3.96867	30749.3	33.3313	Puente Formation	530	25	1585.97	3657.35	6706.61	0	6706.61	7749.65	7749.65
36	3.96867	30408.5	35.1088	Puente Formation	530	25	1558.04	3592.93	6568.48	0	6568.48	7663.84	7663.84
37	3.96867	29978.9	36.9259	Puente Formation	530	25	1525.79	3518.57	6409	0	6409	7555.67	7555.67
38	3.96867	28981.9	38.7874	Puente Formation	530	25	1468.27	3385.91	6124.53	0	6124.53	7304.51	7304.51

39	3.96867	27409.6	40.699	Puente Formation	530	25	1385.75	3195.63	5716.46	0	5716.46	6908.36	6908.36
40	3.96867	25725.8	42.6673	Puente Formation	530	25	1298.89	2995.31	5286.87	0	5286.87	6484.08	6484.08
41	3.96867	27368.2	44.7001	Puente Formation	530	25	1353.8	3121.95	5558.45	0	5558.45	6898.15	6898.15
42	3.96867	26740.2	46.8071	Puente Formation	530	25	1310.46	3022.01	5344.14	0	5344.14	6739.99	6739.99
43	3.96867	24646.4	49.0004	Puente Formation	530	25	1208.63	2787.18	4840.54	0	4840.54	6230.93	6230.93
44	3.96867	22379.9	51.2952	Puente Formation	530	25	1110.53	2560.95	4355.38	0	4355.38	5741.32	5741.32
45	3.96867	19913.5	53.7115	Puente Formation	530	25	991.93	2287.45	3768.87	0	3768.87	5119.78	5119.78
46	3.96867	17210.8	56.2763	Puente Formation	530	25	865.259	1995.34	3142.43	0	3142.43	4438.67	4438.67
47	3.96867	14220.6	59.0273	Puente Formation	530	25	729.296	1681.8	2470.04	0	2470.04	3685.1	3685.1
48	3.96867	10867.2	62.0212	Puente Formation	530	25	582.406	1343.06	1743.62	0	1743.62	2839.94	2839.94
49	3.96867	7029.01	65.349	Puente Formation	530	25	422.37	974.011	952.185	0	952.185	1872.55	1872.55
50	3.96867	2484.88	69.1778	Puente Formation	530	25	246.042	567.387	80.1758	0	80.1758	727.129	727.129

Global Minimum Query (janbu simplified) - Safety Factor: 1.84456

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.46887	1384.05	-21.8631	Puente 2	530	25	332.005	612.403	532.136	355.422	176.714	398.919	43.497
2	3.46887	1962.74	-20.2144	Puente 2	530	25	352.236	649.72	695.44	438.7	256.74	565.742	127.042
3	3.46887	2492.51	-18.5831	Puente 2	530	25	370.253	682.954	842.95	514.938	328.012	718.468	203.53
4	3.46887	2974.82	-16.9672	Puente 2	530	25	386.173	712.32	975.333	584.347	390.986	857.51	273.163
5	3.46887	3410.94	-15.3651	Puente 2	530	25	400.1	738.008	1093.18	647.108	446.074	983.238	336.13
6	3.46887	3801.98	-13.7753	Puente 2	530	25	412.122	760.183	1197.01	703.383	493.628	1095.97	392.59
7	3.46887	4148.91	-12.1962	Puente 2	530	25	422.318	778.99	1287.27	753.309	533.961	1195.99	442.682
8	3.46887	4452.57	-10.6265	Puente 2	530	25	430.757	794.558	1364.36	797.008	567.348	1283.54	486.527
9	3.46887	4713.66	-9.06481	Puente 2	530	25	437.503	807	1428.61	834.581	594.028	1358.81	524.227
10	3.51829	5004.35	-7.49885	Puente Formation	530	25	442.631	816.46	1480.61	866.298	614.315	1422.35	556.05
11	3.51829	5186.51	-5.92747	Puente Formation	530	25	446.169	822.986	1520.45	892.144	628.31	1474.13	581.986
12	3.51829	5325.83	-4.36055	Puente Formation	530	25	448.112	826.569	1547.91	911.911	635.995	1513.74	601.825
13	3.51829	5422.61	-2.7969	Puente Formation	530	25	448.497	827.28	1563.16	925.644	637.52	1541.25	615.609
14	3.51829	15605.4	-1.23533	Puente Formation	530	25	1179.1	2174.92	4460.9	933.374	3527.53	4435.48	3502.1
15	3.51829	18834.6	0.32532	Puente Formation	508.854	24.4755	1364.31	2516.55	5345.61	935.118	4410.49	5353.36	4418.24
16	3.51829	18809.8	1.88621	Puente Formation	407.396	21.8984	1170.47	2159	5307.77	950.174	4357.6	5346.32	4396.14
17	3.51829	18744.2	3.44851	Puente Formation	335	20	1030.61	1901.02	5265.57	962.973	4302.6	5327.67	4364.7
18	3.51829	22268.8	5.01338	Puente Formation	335.869	20.0231	1219.86	2250.1	6222.46	969.757	5252.71	6329.47	5359.72
19	3.51829	26279	6.58201	Puente Formation	437.83	22.6819	1666.3	3073.59	7277.1	970.49	6306.61	7469.36	6498.87
20	3.51829	26704.3	8.15561	Puente Formation	530	25	1893.58	3492.82	7318.93	965.122	6353.81	7590.3	6625.18
21	3.51829	27086.6	9.73544	Puente Formation	530	25	2684.1	4950.98	10434.4	953.586	9480.83	10894.9	9941.34
22	3.51829	27496.3	11.3228	Puente Formation	530	25	1928.88	3557.93	7429.23	935.802	6493.42	7815.45	6879.65
23	3.51829	27913.1	12.919	Puente Formation	530	25	1949.53	3596.02	7486.77	911.671	6575.1	7933.95	7022.28
24	3.51829	28284.4	14.5255	Puente Formation	530	25	2726.37	5028.96	10529.1	881.08	9648.05	11235.5	10354.4
25	3.51829	28609.2	16.1437	Puente Formation	530	25	1984.53	3660.58	7557.44	843.894	6713.55	8131.89	7288
26	3.51829	28886.4	17.7753	Puente Formation	530	25	1998.79	3686.89	7569.93	799.957	6769.98	8210.73	7410.77
27	3.51829	29114.8	19.422	Puente Formation	530	25	2752.67	5077.46	10501.1	749.091	9752.05	11471.7	10722.6
28	3.51829	29292.9	21.0855	Puente Formation	530	25	2020.58	3727.08	7547.25	691.091	6856.16	8326.34	7635.25
29	3.51829	29419.1	22.7679	Puente Formation	530	25	2758.43	5088.09	10400.6	625.723	9774.84	11558.3	10932.6
30	3.51829	29491.5	24.4713	Puente Formation	530	25	2032.9	3749.81	7457.62	552.722	6904.9	8382.84	7830.12
31	3.51829	29507.9	26.1981	Puente Formation	530	25	2035.3	3754.23	7386.16	471.783	6914.37	8387.57	7915.78
32	3.51829	29466	27.951	Puente Formation	530	25	2747.45	5067.83	10113.9	382.556	9731.39	11571.8	11189.2
33	3.51829	29362.8	29.7328	Puente Formation	530	25	2031.96	3748.08	7185.84	284.644	6901.2	8346.39	8061.75
34	3.51829	29195.2	31.5468	Puente Formation	530	25	2725.39	5027.14	9821.73	177.587	9644.15	11494.9	11317.3
35	3.51829	28959.3	33.3969	Puente Formation	530	25	2016.82	3720.14	6902.12	60.8529	6841.27	8231.81	8170.96
36	3.6029	29354.8	35.3106	Puente Formation	530	25	1990.77	3672.09	6738.23	0	6738.23	8148.32	8148.32
37	3.6029	28988.8	37.2941	Puente Formation	530	25	1946.74	3590.88	6564.07	0	6564.07	8046.77	8046.77
38	3.6029	28368.7	39.3315	Puente Formation	530	25	1887.15	3480.96	6328.36	0	6328.36	7874.71	7874.71

39	3.6029	27089.2	41.4302	Puente Formation	530	25	1789.13	3300.15	5940.61	0	5940.61	7519.61	7519.61
40	3.6029	25660.2	43.5992	Puente Formation	530	25	1682.9	3104.21	5520.42	0	5520.42	7122.97	7122.97
41	3.6029	24322.3	45.8496	Puente Formation	530	25	1582.15	2918.37	5121.87	0	5121.87	6751.66	6751.66
42	3.6029	26766.4	48.1954	Puente Formation	530	25	1688.39	3114.34	5542.12	0	5542.12	7430.18	7430.18
43	3.6029	24945.4	50.6544	Puente Formation	530	25	1557.61	2873.11	5024.83	0	5024.83	6924.77	6924.77
44	3.6029	22952.4	53.2502	Puente Formation	530	25	1422.76	2624.36	4491.37	0	4491.37	6396.69	6396.69
45	3.6029	20754	56.0152	Puente Formation	530	25	1286.62	2373.24	3952.84	0	3952.84	5861.42	5861.42
46	3.6029	18302.6	58.9959	Puente Formation	530	25	1124.19	2073.64	3310.35	0	3310.35	5181.02	5181.02
47	3.6029	15525.4	62.2642	Puente Formation	530	25	946.941	1746.69	2609.2	0	2609.2	4410.13	4410.13
48	3.6029	12299.6	65.9415	Puente Formation	530	25	750.752	1384.81	1833.14	0	1833.14	3514.73	3514.73
49	3.6029	8383.5	70.2689	Puente Formation	530	25	528.528	974.901	954.093	0	954.093	2427.7	2427.7
50	3.6029	3105.98	75.9228	Puente Formation	530	25	264.271	487.464	-91.2197	0	-91.2197	962.664	962.664

Curved - Curved Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.2946

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.75885	1504.05	-20.5639	Puente 2	530	25	949.659	1229.43	1855.92	355.992	1499.93	1499.65	1143.66
2	3.75885	2139.27	-18.9925	Puente 2	530	25	972.374	1258.84	2003.35	440.353	1563	1668.67	1228.32
3	3.75885	2720.54	-17.4359	Puente 2	530	25	991.949	1284.18	2134.89	517.55	1617.34	1823.35	1305.8
4	3.75885	3249.3	-15.8924	Puente 2	530	25	1008.55	1305.67	2251.2	587.773	1663.43	1964.05	1376.28
5	3.75885	3726.81	-14.3607	Puente 2	530	25	1022.33	1323.5	2352.86	651.189	1701.67	2091.12	1439.93
6	3.75885	4154.16	-12.8394	Puente 2	530	25	1033.41	1337.85	2440.38	707.944	1732.44	2204.85	1496.9
7	3.75885	4532.31	-11.3273	Puente 2	530	25	1041.91	1348.85	2514.2	758.165	1756.03	2305.49	1547.32
8	3.75885	4862.1	-9.82309	Puente 2	530	25	1047.92	1356.64	2574.7	801.963	1772.74	2393.26	1591.3
9	3.75885	5144.22	-8.32572	Puente 2	530	25	1051.55	1361.34	2622.24	839.432	1782.81	2468.35	1628.92
10	3.75885	5379.29	-6.83407	Puente 2	454.215	23.0999	934.787	1210.17	2642.96	870.649	1772.32	2530.93	1660.28
11	3.75885	5567.77	-5.34706	Puente 2	357.559	20.5967	786.844	1018.65	2654.8	895.681	1759.12	2581.15	1685.47
12	3.75885	5710.06	-3.86366	Puente 2	335	20	752.248	973.86	2669.84	914.578	1755.26	2619.04	1704.46
13	3.88237	5998.1	-2.35855	Puente Formation	530	25	1043.48	1350.88	2687.88	927.487	1760.39	2644.9	1717.41
14	3.88237	6050.56	-0.830746	Puente Formation	530	25	1035.86	1341.02	2673.47	934.233	1739.24	2658.45	1724.22
15	3.88237	6052.77	0.696466	Puente Formation	484.73	23.8718	959.956	1242.76	2647.39	934.517	1712.87	2659.06	1724.54
16	3.88237	6004.73	2.22417	Puente Formation	385.429	21.3274	806.512	1044.11	2615.37	928.34	1687.03	2646.69	1718.35
17	3.88237	19503.9	3.75347	Puente Formation	335	20	2257.02	2921.94	8023.25	915.688	7107.56	8171.32	7255.63
18	3.88237	20485.1	5.28544	Puente Formation	353.554	20.4911	1496.36	1937.19	5138.2	900.539	4237.66	5276.63	4376.09
19	3.88237	20293.8	6.82122	Puente Formation	453.38	23.0787	1705.91	2208.47	5023.39	904.388	4119	5227.45	4323.06
20	3.88237	20526.5	8.36195	Puente Formation	530	25	1889.13	2445.67	5009.8	901.638	4108.16	5287.48	4385.84
21	3.88237	28099.9	9.90879	Puente Formation	530	25	2535.71	3282.73	6795.45	892.217	5903.24	7238.41	6346.19
22	3.88237	28507.2	11.463	Puente Formation	530	25	3524.74	4563.13	9525.12	876.039	8649.08	10239.9	9363.82
23	3.88237	28861	13.0258	Puente Formation	530	25	2566.24	3322.25	6840.98	852.998	5987.99	7434.66	6581.66
24	3.88237	29231.3	14.5985	Puente Formation	530	25	2582.96	3343.9	6857.41	822.971	6034.44	7530.15	6707.18
25	3.88237	29626.1	16.1825	Puente Formation	530	25	3547.81	4592.99	9498.92	785.814	8713.11	10528.5	9742.67
26	3.88237	29964.1	17.7794	Puente Formation	530	25	2620.11	3392	6878.94	741.364	6137.57	7719.12	6977.76
27	3.88237	30244	19.3907	Puente Formation	530	25	3559.54	4608.18	9435.12	689.431	8745.68	10688	9998.55
28	3.88237	30464.1	21.0181	Puente Formation	530	25	2643.54	3422.33	6832.41	629.799	6202.61	7848.13	7218.33
29	3.88237	30621.3	22.6635	Puente Formation	530	25	2650.87	3431.82	6781.86	558.892	6222.96	7888.76	7329.86
30	3.88237	30713.7	24.3289	Puente Formation	530	25	3552.44	4598.99	9203.27	477.298	8725.97	10809.4	10332.1
31	3.88237	30739.8	26.0165	Puente Formation	530	25	2655.63	3437.98	6623.35	387.161	6236.19	7919.53	7532.37
32	3.88237	30696.5	27.7287	Puente Formation	530	25	3529.39	4569.15	8950.11	288.117	8662	10805.3	10517.2
33	3.88237	30580.8	29.4683	Puente Formation	530	25	2644.37	3423.4	6384.66	179.752	6204.91	7878.85	7699.09
34	3.88237	30388.9	31.2384	Puente Formation	530	25	3488.65	4516.4	8610.44	61.5897	8548.85	10726.4	10664.8
35	3.90007	30274	33.0464	Puente Formation	530	25	2597.52	3362.75	6074.85	0	6074.85	7764.7	7764.7
36	3.90007	29956.3	34.8967	Puente Formation	530	25	2538.99	3286.97	5912.35	0	5912.35	7683.35	7683.35
37	3.90007	29549.9	36.7897	Puente Formation	530	25	2473.21	3201.82	5729.75	0	5729.75	7579.26	7579.26
38	3.90007	29047	38.7307	Puente Formation	530	25	2399.74	3106.7	5525.75	0	5525.75	7450.41	7450.41

39	3.90007	27943.3	40.7261	Puente Formation	530	25	2283.08	2955.68	5201.89	0	5201.89	7167.46	7167.46
40	3.90007	26313	42.7834	Puente Formation	530	25	2130.36	2757.96	4777.87	0	4777.87	6749.45	6749.45
41	3.90007	24558.5	44.9116	Puente Formation	530	25	1970.79	2551.39	4334.88	0	4334.88	6299.6	6299.6
42	3.90007	26008.8	47.1219	Puente Formation	530	25	2026.44	2623.43	4489.37	0	4489.37	6671.76	6671.76
43	3.90007	25297.2	49.4286	Puente Formation	530	25	1933.48	2503.08	4231.29	0	4231.29	6489.4	6489.4
44	3.90007	23069.5	51.8497	Puente Formation	530	25	1745.43	2259.63	3709.22	0	3709.22	5931.22	5931.22
45	3.90007	20632.5	54.4094	Puente Formation	530	25	1564.58	2025.5	3207.1	0	3207.1	5393.24	5393.24
46	3.90007	17944.3	57.1412	Puente Formation	530	25	1350.55	1748.42	2612.91	0	2612.91	4703.84	4703.84
47	3.90007	14944.7	60.0935	Puente Formation	530	25	1123.2	1454.1	1981.74	0	1981.74	3934.54	3934.54
48	3.90007	11540.1	63.3418	Puente Formation	530	25	880.401	1139.77	1307.64	0	1307.64	3061.31	3061.31
49	3.90007	7570.5	67.0162	Puente Formation	530	25	619.34	801.797	582.871	0	582.871	2043.09	2043.09
50	3.90007	2709.39	71.3843	Puente Formation	530	25	336.402	435.506	-202.642	0	-202.642	796.053	796.053

Global Minimum Query (janbu simplified) - Safety Factor: 0.970038

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.63546	1465.91	-21.8752	Puente 2	530	25	1359.5	1318.76	2049.04	357.535	1691.51	1503.21	1145.68
2	3.63546	2100.49	-20.1392	Puente 2	530	25	1382.93	1341.49	2184.92	444.672	1740.25	1677.77	1233.09
3	3.63546	2678.56	-18.4224	Puente 2	530	25	1401.88	1359.88	2303.73	524.049	1779.68	1836.77	1312.73
4	3.63546	3201.87	-16.7225	Puente 2	530	25	1416.67	1374.22	2406.35	595.908	1810.44	1980.72	1384.82
5	3.63546	3671.97	-15.0377	Puente 2	530	25	1427.56	1384.79	2493.55	660.458	1833.09	2110.03	1449.57
6	3.63546	4090.16	-13.3661	Puente 2	530	25	1434.77	1391.78	2565.98	717.882	1848.1	2225.07	1507.18
7	3.63546	4457.58	-11.706	Puente 2	530	25	1438.5	1395.4	2624.19	768.334	1855.86	2326.13	1557.8
8	3.63546	4775.22	-10.0558	Puente 2	530	25	1438.92	1395.8	2668.67	811.95	1856.72	2413.51	1601.56
9	3.49829	4849.56	-8.44484	Puente Formation	530	25	1436.28	1393.24	2699.5	848.269	1851.23	2486.26	1637.99
10	3.49829	5055.29	-6.87146	Puente Formation	530	25	1430.82	1387.95	2717.5	877.626	1839.87	2545.07	1667.45
11	3.49829	5218.47	-5.30328	Puente Formation	530	25	1422.64	1380.01	2723.77	900.911	1822.86	2591.72	1690.81
12	3.49829	5339.45	-3.73908	Puente Formation	530	25	1411.84	1369.54	2718.57	918.176	1800.39	2626.3	1708.13
13	3.49829	16129.6	-2.17766	Puente Formation	530	25	4127.52	4003.85	8379.15	929.459	7449.7	8222.2	7292.74
14	3.49829	18725.4	-0.617864	Puente Formation	530	25	2684.04	2603.62	5381.69	934.786	4446.9	5352.74	4417.96
15	3.49829	18727.1	0.941476	Puente Formation	468.804	23.4701	2432.91	2360.01	5313.25	957.542	4355.71	5353.23	4395.69
16	3.49829	18688.6	2.50151	Puente Formation	367.402	20.8556	2057.61	1995.96	5252.3	977.601	4274.7	5342.19	4364.59
17	3.49829	22397.6	4.06341	Puente Formation	335	20	2313.86	2244.53	6238.08	991.7	5246.38	6402.45	5410.75
18	3.49829	26246.3	5.62834	Puente Formation	375.842	21.0769	2859.13	2773.46	7220.85	999.811	6221.04	7502.62	6502.81
19	3.49829	26693.7	7.1975	Puente Formation	477.837	23.6982	3303.23	3204.26	7213.37	1001.89	6211.48	7630.52	6628.63
20	3.49829	27099	8.77211	Puente Formation	530	25	4967.06	4818.24	10194	997.887	9196.16	10960.5	9962.62
21	3.49829	27532.2	10.3534	Puente Formation	530	25	3543.63	3437.46	7222.78	987.726	6235.06	7870.18	6882.46
22	3.49829	27972.4	11.9428	Puente Formation	530	25	3561.14	3454.44	7242.8	971.32	6271.48	7996.03	7024.71
23	3.49829	28368.1	13.5415	Puente Formation	530	25	4959.44	4810.85	10128.9	948.568	9180.29	11323.3	10374.8
24	3.49829	28718.6	15.1511	Puente Formation	530	25	3584.21	3476.82	7238.81	919.348	6319.46	8209.33	7289.98
25	3.49829	29022.6	16.773	Puente Formation	530	25	3589.66	3482.11	7214.34	883.517	6330.83	8296.28	7412.76
26	3.49829	29279	18.4088	Puente Formation	530	25	4923.25	4775.74	9945.13	840.09	9105.04	11583.7	10743.6
27	3.49829	29485.5	20.0604	Puente Formation	530	25	3590.32	3482.75	7117.52	785.307	6332.21	8428.58	7643.27
28	3.49829	29641.6	21.7296	Puente Formation	530	25	3584.97	3477.56	7044.42	723.352	6321.07	8473.2	7749.85
29	3.49829	29745.7	23.4184	Puente Formation	530	25	4853.93	4708.5	9614.82	653.98	8960.84	11717.2	11063.2
30	3.49829	29796	25.1291	Puente Formation	530	25	3560.58	3453.9	6847.22	576.912	6270.31	8517.33	7940.41
31	3.49829	29790	26.8641	Puente Formation	530	25	4783.75	4640.42	9306.65	491.83	8814.82	11729.8	11238
32	3.49829	29725.4	28.6262	Puente Formation	530	25	3516.82	3411.45	6577.64	398.37	6179.27	8497.16	8098.79
33	3.49829	29599.1	30.4184	Puente Formation	530	25	4692.14	4551.55	8920.35	296.115	8624.24	11675.2	11379.1
34	3.49829	29407.8	32.2442	Puente Formation	530	25	3451.93	3348.5	6228.89	184.582	6044.31	8406.41	8221.82
35	3.49829	29147.6	34.1075	Puente Formation	530	25	3410.85	3308.65	6022.05	63.2135	5958.84	8332.02	8268.81
36	3.5035	28875.8	36.0144	Puente Formation	530	25	3340.95	3240.85	5813.42	0	5813.42	8242.04	8242.04
37	3.5035	28405.7	37.97	Puente Formation	530	25	3231.53	3134.71	5585.83	0	5585.83	8107.86	8107.86

38	3.5035	27301.1	39.9794	Puente Formation	530	25	3059.26	2967.6	5227.45	0	5227.45	7792.59	7792.59
39	3.5035	26019.3	42.0497	Puente Formation	530	25	2871.44	2785.41	4836.74	0	4836.74	7426.71	7426.71
40	3.5035	24639.1	44.1901	Puente Formation	530	25	2676.39	2596.2	4430.99	0	4430.99	7032.77	7032.77
41	3.5035	26518.3	46.4115	Puente Formation	530	25	2780.7	2697.38	4647.96	0	4647.96	7569.15	7569.15
42	3.5035	25740.9	48.7275	Puente Formation	530	25	2635.03	2556.08	4344.96	0	4344.96	7347.26	7347.26
43	3.5035	23987.2	51.1561	Puente Formation	530	25	2403.12	2331.12	3862.52	0	3862.52	6846.72	6846.72
44	3.5035	22069.3	53.7205	Puente Formation	530	25	2186.83	2121.31	3412.58	0	3412.58	6391.82	6391.82
45	3.5035	19955.3	56.453	Puente Formation	530	25	1931.91	1874.03	2882.27	0	2882.27	5795.88	5795.88
46	3.5035	17599.3	59.3998	Puente Formation	530	25	1659.98	1610.24	2316.57	0	2316.57	5123.41	5123.41
47	3.5035	14931.2	62.6323	Puente Formation	530	25	1370.46	1329.4	1714.33	0	1714.33	4361.87	4361.87
48	3.5035	11833	66.2714	Puente Formation	530	25	1059.44	1027.7	1067.32	0	1067.32	3477.54	3477.54
49	3.5035	8071.08	70.5582	Puente Formation	530	25	720.564	698.974	362.366	0	362.366	2403.77	2403.77
50	3.5035	2992.31	76.1731	Puente Formation	530	25	340.325	330.128	-428.627	0	-428.627	954.122	954.122

Curved - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.07901

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.85529	1400.39	-45	Puente 2	530	25	470.503	978.181	961.128	0	961.128	490.624	490.624
2	2.85529	2419.47	-45	Puente 2	530	25	573.714	1192.76	1421.29	0	1421.29	847.571	847.571
3	2.85529	3438.56	-45	Puente 2	530	25	676.924	1407.33	1881.45	0	1881.45	1204.52	1204.52
4	1.41778	2086.05	-45	Puente Formation	530	25	754.152	1567.89	2225.77	0	2225.77	1471.62	1471.62
5	3.11672	4798.92	5.92732	Puente Formation	395.276	21.584	473.751	984.934	1490.53	0	1490.53	1539.71	1539.71
6	3.11672	4672.85	5.92732	Puente Formation	395.276	21.584	466.204	969.243	1450.86	0	1450.86	1499.27	1499.27
7	3.11672	4546.79	5.92732	Puente Formation	395.276	21.584	458.657	953.552	1411.2	0	1411.2	1458.82	1458.82
8	3.11672	4420.72	5.92732	Puente Formation	395.276	21.584	451.109	937.86	1371.53	0	1371.53	1418.37	1418.37
9	3.11672	12444.7	5.92732	Puente Formation	395.276	21.584	931.504	1936.61	3896.15	0	3896.15	3992.86	3992.86
10	3.11672	15990.3	5.92732	Puente Formation	395.276	21.584	1143.78	2377.93	5011.69	0	5011.69	5130.44	5130.44
11	3.11672	15864.9	5.92732	Puente Formation	395.276	21.584	1136.26	2362.31	4972.24	0	4972.24	5090.21	5090.21
12	3.11672	15744.1	5.92732	Puente Formation	395.276	21.584	1129.03	2347.27	4934.23	0	4934.23	5051.45	5051.45
13	3.11672	15624.2	5.92732	Puente Formation	395.276	21.584	1121.86	2332.36	4896.51	0	4896.51	5012.98	5012.98
14	3.11672	21265	5.92732	Puente Formation	395.276	21.584	1459.57	3034.46	6671.28	0	6671.28	6822.82	6822.82
15	3.11672	22411.3	5.92732	Puente Formation	395.276	21.584	2201.37	4576.68	10569.7	0	10569.7	10798.2	10798.2
16	3.11672	22777.2	5.92732	Puente Formation	395.276	21.584	1550.1	3222.68	7147.05	0	7147.05	7307.98	7307.98
17	3.11672	23143.1	5.92732	Puente Formation	395.276	21.584	1572.01	3268.22	7262.19	0	7262.19	7425.4	7425.4
18	3.11672	23560	5.92732	Puente Formation	395.276	21.584	1596.97	3320.12	7393.39	0	7393.39	7559.19	7559.19
19	3.01365	22701.5	45.5485	Puente Formation	530	25	2263.63	4706.11	8955.72	0	8955.72	11263.1	11263.1
20	3.01365	22095	45.5485	Puente Formation	530	25	2226.9	4629.74	8791.94	0	8791.94	11061.9	11061.9
21	3.01365	21488.6	45.5485	Puente Formation	530	25	1509.09	3137.41	5591.61	0	5591.61	7129.87	7129.87
22	3.01365	20882.1	45.5485	Puente Formation	530	25	2153.43	4477	8464.38	0	8464.38	10659.4	10659.4
23	3.01365	20275.7	45.5485	Puente Formation	530	25	1435.62	2984.66	5264.05	0	5264.05	6727.42	6727.42
24	3.2561	21248.8	45.5485	Puente Formation	530	25	2029.1	4218.51	7910.03	0	7910.03	9978.35	9978.35
25	3.2561	20588.1	45.5485	Puente Formation	530	25	1992.05	4141.5	7744.88	0	7744.88	9775.44	9775.44
26	3.2561	19927.4	45.5485	Puente Formation	530	25	1324.64	2753.95	4769.29	0	4769.29	6119.54	6119.54
27	3.2561	19266.7	45.5485	Puente Formation	530	25	1287.6	2676.94	4604.13	0	4604.13	5916.63	5916.63
28	3.2561	18605.9	45.5485	Puente Formation	530	25	1250.56	2599.93	4438.98	0	4438.98	5713.72	5713.72
29	3.2561	17945.2	45.5485	Puente Formation	530	25	1213.52	2522.92	4273.84	0	4273.84	5510.82	5510.82
30	3.2561	17284.5	45.5485	Puente Formation	530	25	1176.48	2445.91	4108.69	0	4108.69	5307.91	5307.91
31	3.2561	16623.8	45.5485	Puente Formation	530	25	1139.44	2368.9	3943.53	0	3943.53	5104.99	5104.99
32	3.2561	15963	45.5485	Puente Formation	530	25	1102.39	2291.89	3778.4	0	3778.4	4902.1	4902.1
33	3.2561	15302.3	45.5485	Puente Formation	530	25	1065.35	2214.88	3613.24	0	3613.24	4699.19	4699.19
34	3.2561	14641.6	45.5485	Puente Formation	530	25	1028.31	2137.87	3448.11	0	3448.11	4496.3	4496.3

35	3.2561	13980.9	45.5485	Puente Formation	530	25	991.27	2060.86	3282.95	0	3282.95	4293.38	4293.38
36	3.2561	13117.8	45.5485	Puente Formation	530	25	942.891	1960.28	3067.23	0	3067.23	4028.35	4028.35
37	2.89464	10615.8	43.7336	Puente Formation	530	25	887.076	1844.24	2818.39	0	2818.39	3667.09	3667.09
38	2.89464	9653.83	43.7336	Puente Formation	530	25	825.71	1716.66	2544.78	0	2544.78	3334.77	3334.77
39	2.89464	8691.85	43.7336	Puente Formation	530	25	764.345	1589.08	2271.19	0	2271.19	3002.48	3002.48
40	2.89464	9140.25	43.7336	Puente Formation	530	25	792.945	1648.54	2398.73	0	2398.73	3157.37	3157.37
41	2.89464	10241.5	43.7336	Puente Formation	530	25	863.195	1794.59	2711.93	0	2711.93	3537.78	3537.78
42	2.89464	9279.48	43.7336	Puente Formation	530	25	801.829	1667.01	2438.32	0	2438.32	3205.47	3205.47
43	3.16623	9022.49	45	Puente Formation	530	25	730.547	1518.82	2120.52	0	2120.52	2851.07	2851.07
44	3.16623	7819.49	45	Puente Formation	530	25	678.947	1411.54	1890.46	0	1890.46	2569.41	2569.41
45	3.16623	6616.49	45	Puente Formation	530	25	609.345	1266.83	1580.15	0	1580.15	2189.49	2189.49
46	3.16623	5413.49	45	Puente Formation	530	25	539.742	1122.13	1269.83	0	1269.83	1809.57	1809.57
47	3.16623	4210.49	45	Puente Formation	530	25	470.14	977.425	959.506	0	959.506	1429.65	1429.65
48	3.16623	3007.5	45	Puente Formation	530	25	400.537	832.721	649.188	0	649.188	1049.72	1049.72
49	3.16623	1804.5	45	Puente Formation	530	25	330.934	688.016	338.867	0	338.867	669.801	669.801
50	3.16623	601.499	45	Puente Formation	530	25	261.332	543.312	28.5476	0	28.5476	289.88	289.88

Global Minimum Query (janbu simplified) - Safety Factor: 1.82803

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.78162	1351.46	-45	Puente 2	530	25	555.844	1016.1	1042.44	0	1042.44	486.599	486.599
2	2.78162	2318.63	-45	Puente 2	530	25	674.966	1233.86	1509.43	0	1509.43	834.464	834.464
3	2.78162	3285.81	-45	Puente 2	530	25	794.088	1451.62	1976.41	0	1976.41	1182.33	1182.33
4	1.4538	1962.57	3.24283	Puente 2	530	25	625.239	1142.96	1314.49	0	1314.49	1349.91	1349.91
5	3.07037	4095.68	3.24283	Puente Formation	335	20	443.838	811.349	1308.76	0	1308.76	1333.9	1333.9
6	3.07037	4028.92	3.24283	Puente Formation	335	20	439.557	803.523	1287.26	0	1287.26	1312.16	1312.16
7	3.07037	3962.15	3.24283	Puente Formation	335	20	435.276	795.697	1265.75	0	1265.75	1290.42	1290.42
8	3.07037	3895.39	3.24283	Puente Formation	335	20	430.994	787.87	1244.25	0	1244.25	1268.67	1268.67
9	3.07037	6642.4	3.24283	Puente Formation	335	20	607.141	1109.87	2128.94	0	2128.94	2163.34	2163.34
10	3.07037	15407.8	3.24283	Puente Formation	335	20	1169.2	2137.34	4951.89	0	4951.89	5018.13	5018.13
11	3.07037	15341	3.24283	Puente Formation	335	20	1164.92	2129.51	4930.36	0	4930.36	4996.37	4996.37
12	3.07037	15277	3.24283	Puente Formation	335	20	1160.82	2122.01	4909.78	0	4909.78	4975.55	4975.55
13	3.07037	15216.3	3.24283	Puente Formation	335	20	1156.92	2114.89	4890.2	0	4890.2	4955.75	4955.75
14	3.07037	17416.6	3.24283	Puente Formation	335	20	1298.01	2372.81	5598.82	0	5598.82	5672.36	5672.36
15	3.07037	21762	3.24283	Puente Formation	335	20	2297.65	4200.18	10619.5	0	10619.5	10749.7	10749.7
16	3.07037	22172.6	3.24283	Puente Formation	335	20	1602.98	2930.3	7130.54	0	7130.54	7221.37	7221.37
17	3.07037	22583.2	3.24283	Puente Formation	335	20	1629.32	2978.44	7262.79	0	7262.79	7355.11	7355.11
18	3.07037	23003.3	3.24283	Puente Formation	335	20	1656.25	3027.68	7398.06	0	7398.06	7491.9	7491.9
19	3.30901	24826.8	38.9443	Puente Formation	530	25	2545.18	4652.66	8841.06	0	8841.06	10898	10898
20	3.30901	24384.6	38.9443	Puente Formation	530	25	1798.45	3287.62	5913.73	0	5913.73	7367.19	7367.19
21	3.30901	23942.5	38.9443	Puente Formation	530	25	2488.67	4549.36	8619.56	0	8619.56	10630.8	10630.8
22	3.30901	23500.3	38.9443	Puente Formation	530	25	1741.95	3184.33	5692.23	0	5692.23	7100.02	7100.02
23	3.30901	23058.2	38.9443	Puente Formation	530	25	2432.16	4446.07	8398.03	0	8398.03	10363.6	10363.6
24	3.30901	22615.7	38.9443	Puente Formation	530	25	2403.89	4394.38	8287.19	0	8287.19	10229.9	10229.9
25	3.34463	22428	38.9443	Puente Formation	530	25	1658.17	3031.18	5363.8	0	5363.8	6703.89	6703.89
26	3.34463	22014.3	38.9443	Puente Formation	530	25	2342.83	4282.77	8047.84	0	8047.84	9941.26	9941.26
27	3.34463	21600.6	38.9443	Puente Formation	530	25	1605.86	2935.56	5158.75	0	5158.75	6456.56	6456.56
28	3.34463	21186.9	38.9443	Puente Formation	530	25	1579.71	2887.75	5056.22	0	5056.22	6332.9	6332.9
29	3.34463	20773.3	38.9443	Puente Formation	530	25	1553.56	2839.95	4953.69	0	4953.69	6209.24	6209.24
30	3.34463	20359.6	38.9443	Puente Formation	530	25	1527.4	2792.14	4851.17	0	4851.17	6085.58	6085.58
31	3.34463	19945.9	38.9443	Puente Formation	530	25	1501.25	2744.33	4748.64	0	4748.64	5961.91	5961.91
32	3.34463	19532.2	38.9443	Puente Formation	530	25	1475.1	2696.52	4646.14	0	4646.14	5838.27	5838.27
33	3.34463	19118.5	38.9443	Puente Formation	530	25	1448.95	2648.72	4543.61	0	4543.61	5714.61	5714.61
34	3.0597	16901.9	50.423	Puente Formation	530	25	1297.95	2372.7	3951.68	0	3951.68	5521.92	5521.92
35	3.0597	16104.5	50.423	Puente Formation	530	25	1247.17	2279.86	3752.59	0	3752.59	5261.39	5261.39

36	3.0597	15118.2	50.423	Puente Formation	530	25	1184.35	2165.02	3506.32	0	3506.32	4939.12	4939.12
37	3.0597	13768.1	50.423	Puente Formation	530	25	1098.37	2007.85	3169.24	0	3169.24	4498.03	4498.03
38	3.0597	12409	50.423	Puente Formation	530	25	1011.81	1849.62	2829.92	0	2829.92	4053.99	4053.99
39	3.0597	11050	50.423	Puente Formation	530	25	925.247	1691.38	2490.59	0	2490.59	3609.94	3609.94
40	3.0597	11789.4	50.423	Puente Formation	530	25	972.347	1777.48	2675.22	0	2675.22	3851.55	3851.55
41	3.0597	12003.4	50.423	Puente Formation	530	25	985.974	1802.39	2728.66	0	2728.66	3921.47	3921.47
42	3.0597	10644.4	50.423	Puente Formation	530	25	899.416	1644.16	2389.33	0	2389.33	3477.42	3477.42
43	3.39249	10358.1	45	Puente Formation	530	25	858.416	1569.21	2228.59	0	2228.59	3087	3087
44	3.39249	8977.01	45	Puente Formation	530	25	788.921	1442.17	1956.16	0	1956.16	2745.08	2745.08
45	3.39249	7595.93	45	Puente Formation	530	25	706.204	1290.96	1631.89	0	1631.89	2338.09	2338.09
46	3.39249	6214.85	45	Puente Formation	530	25	623.487	1139.75	1307.62	0	1307.62	1931.11	1931.11
47	3.39249	4833.77	45	Puente Formation	530	25	540.77	988.543	983.349	0	983.349	1524.12	1524.12
48	3.39249	3452.7	45	Puente Formation	530	25	458.052	837.333	659.078	0	659.078	1117.13	1117.13
49	3.39249	2071.62	45	Puente Formation	530	25	375.335	686.124	334.808	0	334.808	710.143	710.143
50	3.39249	690.539	45	Puente Formation	530	25	292.618	534.914	10.5378	0	10.5378	303.155	303.155

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 2.23999

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.41806	1796.63	-45	Puente 2	530	25	462.598	1036.21	1085.58	0	1085.58	622.982	622.982
2	3.41806	3257.03	-45	Puente 2	530	25	664.145	1487.68	2053.75	0	2053.75	1389.6	1389.6
3	1.90002	2442.03	-45	Puente Formation	530	25	870.343	1949.56	3044.26	0	3044.26	2173.92	2173.92
4	2.86784	4033.32	-0.760871	Puente Formation	530	25	642.63	1439.49	1950.4	0	1950.4	1941.86	1941.86
5	2.86784	4046.97	-0.760871	Puente Formation	530	25	657.389	1472.54	2021.29	0	2021.29	2012.56	2012.56
6	2.86784	4060.63	-0.760871	Puente Formation	530	25	671.935	1505.13	2091.17	0	2091.17	2082.25	2082.25
7	2.86784	4074.28	-0.760871	Puente Formation	530	25	686.133	1536.93	2159.37	0	2159.37	2150.26	2150.26
8	2.86784	14595.7	-0.760871	Puente Formation	530	25	1566.07	3507.98	6386.31	0	6386.31	6365.51	6365.51
9	2.86784	14979.3	-0.760871	Puente Formation	530	25	1605.81	3596.99	6577.17	0	6577.17	6555.84	6555.84
10	2.86784	14993.7	-0.760871	Puente Formation	530	25	1637.34	3667.62	6728.66	0	6728.66	6706.92	6706.92
11	2.86784	15012	-0.760871	Puente Formation	530	25	1667.59	3735.38	6873.98	0	6873.98	6851.84	6851.84
12	2.86784	15030.9	-0.760871	Puente Formation	530	25	1695.9	3798.8	7009.96	0	7009.96	6987.44	6987.44
13	2.86784	19464.4	-0.760871	Puente Formation	530	25	2094.25	4691.11	8923.5	0	8923.5	8895.69	8895.69
14	2.86784	21427.3	-0.760871	Puente Formation	530	25	2289.92	5129.39	9863.43	0	9863.43	9833.02	9833.02
15	2.86784	21857.4	-0.760871	Puente Formation	530	25	2354.63	5274.35	10174.3	0	10174.3	10143	10143
16	3.08563	23466.5	41.3273	Puente Formation	530	25	2649.42	5934.67	11590.4	0	11590.4	13920.2	13920.2
17	3.08563	22922.4	41.3273	Puente Formation	530	25	1248.72	2797.12	4861.86	0	4861.86	5959.94	5959.94
18	3.08563	22447.5	41.3273	Puente Formation	530	25	2604.24	5833.48	11373.4	0	11373.4	13663.4	13663.4
19	3.08563	21978.3	41.3273	Puente Formation	530	25	2589.83	5801.19	11304.1	0	11304.1	13581.5	13581.5
20	3.08563	21509.1	41.3273	Puente Formation	530	25	1140.3	2554.26	4341.04	0	4341.04	5343.79	5343.79
21	3.08563	21039.9	41.3273	Puente Formation	530	25	2541.64	5693.25	11072.6	0	11072.6	13307.7	13307.7
22	3.08563	20570.7	41.3273	Puente Formation	530	25	1070.83	2398.65	4007.34	0	4007.34	4948.99	4948.99
23	3.05823	19942.7	41.3273	Puente Formation	530	25	2504.65	5610.38	10894.9	0	10894.9	13097.4	13097.4
24	3.05823	19516.9	41.3273	Puente Formation	530	25	1009.72	2261.77	3713.8	0	3713.8	4601.72	4601.72
25	3.05823	19091.2	41.3273	Puente Formation	530	25	2453.81	5496.52	10650.7	0	10650.7	12808.5	12808.5
26	3.05823	18665.4	41.3273	Puente Formation	530	25	953.419	2135.65	3443.33	0	3443.33	4281.73	4281.73
27	3.05823	18239.6	41.3273	Puente Formation	530	25	927.196	2076.91	3317.36	0	3317.36	4132.7	4132.7
28	3.05823	17813.8	41.3273	Puente Formation	530	25	903.089	2022.91	3201.56	0	3201.56	3995.7	3995.7
29	3.05823	17388.1	41.3273	Puente Formation	530	25	880.888	1973.18	3094.91	0	3094.91	3869.54	3869.54
30	3.05823	16962.3	41.3273	Puente Formation	530	25	860.446	1927.39	2996.72	0	2996.72	3753.37	3753.37
31	3.05823	16536.5	41.3273	Puente Formation	530	25	841.656	1885.3	2906.45	0	2906.45	3646.58	3646.58
32	3.05823	16110.7	41.3273	Puente Formation	530	25	824.455	1846.77	2823.83	0	2823.83	3548.82	3548.82
33	3.05823	15685	41.3273	Puente Formation	530	25	808.807	1811.72	2748.66	0	2748.66	3459.9	3459.9
34	3.05823	15259.2	41.3273	Puente Formation	530	25	794.696	1780.11	2680.87	0	2680.87	3379.7	3379.7

35	3.05823	14833.4	41.3273	Puente Formation	530	25	782.106	1751.91	2620.39	0	2620.39	3308.15	3308.15
36	2.9787	13711	50.8054	Puente Formation	530	25	675.476	1513.06	2108.18	0	2108.18	2936.55	2936.55
37	2.9787	12424.4	50.8054	Puente Formation	530	25	633.653	1419.38	1907.27	0	1907.27	2684.36	2684.36
38	2.9787	11118.7	50.8054	Puente Formation	530	25	592.051	1326.19	1707.43	0	1707.43	2433.5	2433.5
39	2.9787	9812.95	50.8054	Puente Formation	530	25	550.675	1233.51	1508.67	0	1508.67	2183.99	2183.99
40	2.9787	9821.31	50.8054	Puente Formation	530	25	560.081	1254.58	1553.86	0	1553.86	2240.72	2240.72
41	2.9787	10775.9	50.8054	Puente Formation	530	25	609.921	1366.22	1793.27	0	1793.27	2541.25	2541.25
42	2.9787	9470.22	50.8054	Puente Formation	530	25	572.401	1282.17	1613.04	0	1613.04	2315.01	2315.01
43	3.08347	8557.04	45	Puente Formation	530	25	571.944	1281.15	1610.84	0	1610.84	2182.79	2182.79
44	3.08347	7416.1	45	Puente Formation	530	25	547.892	1227.27	1495.31	0	1495.31	2043.2	2043.2
45	3.08347	6275.16	45	Puente Formation	530	25	508.166	1138.29	1304.47	0	1304.47	1812.64	1812.64
46	3.08347	5134.22	45	Puente Formation	530	25	465.304	1042.28	1098.58	0	1098.58	1563.88	1563.88
47	3.08347	3993.28	45	Puente Formation	530	25	418.635	937.738	874.398	0	874.398	1293.03	1293.03
48	3.08347	2852.35	45	Puente Formation	530	25	367.416	823.009	628.359	0	628.359	995.775	995.775
49	3.08347	1711.41	45	Puente Formation	530	25	310.824	696.242	356.508	0	356.508	667.331	667.331
50	3.08347	570.469	45	Puente Formation	530	25	247.942	555.388	54.445	0	54.445	302.387	302.387

Curved - Block Pseudostatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.17267

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.75135	2049.96	-45	Puente 2	530	25	1836.65	2153.79	3482.24	0	3482.24	1645.58	1645.58
2	3.75135	3809.03	-45	Puente 2	530	25	2146.12	2516.69	4260.48	0	4260.48	2114.36	2114.36
3	3.75135	5568.11	-45	Puente 2	530	25	2455.58	2879.58	5038.69	0	5038.69	2583.12	2583.12
4	0.347657	597.087	3.41007	Puente 2	530	25	1535.94	1801.15	2725.98	0	2725.98	2817.5	2817.5
5	3.34841	5704.68	3.41007	Puente Formation	335	20	1134.9	1330.86	2736.1	0	2736.1	2803.73	2803.73
6	3.34841	5621.17	3.41007	Puente Formation	335	20	1127.3	1321.95	2711.61	0	2711.61	2778.79	2778.79
7	3.34841	5537.66	3.41007	Puente Formation	335	20	1119.7	1313.03	2687.13	0	2687.13	2753.85	2753.85
8	3.34841	5454.15	3.41007	Puente Formation	335	20	1112.1	1304.12	2662.64	0	2662.64	2728.91	2728.91
9	3.34841	5370.64	3.41007	Puente Formation	335	20	1104.5	1295.21	2638.15	0	2638.15	2703.96	2703.96
10	3.34841	17059.9	3.41007	Puente Formation	335	20	2583.63	3029.74	7403.72	0	7403.72	7557.67	7557.67
11	3.34841	17904.1	3.41007	Puente Formation	335	20	1909.97	2239.76	5233.29	0	5233.29	5347.1	5347.1
12	3.34841	17823.2	3.41007	Puente Formation	335	20	1902.6	2231.12	5209.56	0	5209.56	5322.93	5322.93
13	3.34841	17746.7	3.41007	Puente Formation	335	20	1895.64	2222.96	5187.14	0	5187.14	5300.1	5300.1
14	3.34841	20781.3	3.41007	Puente Formation	335	20	2171.83	2546.84	6076.97	0	6076.97	6206.38	6206.38
15	3.34841	24955.9	3.41007	Puente Formation	335	20	2551.76	2992.37	7301.05	0	7301.05	7453.1	7453.1
16	3.34841	25440.1	3.41007	Puente Formation	335	20	2595.83	3044.05	7443.07	0	7443.07	7597.75	7597.75
17	3.34841	25924.4	3.41007	Puente Formation	335	20	3663.24	4295.77	10882.1	0	10882.1	11100.4	11100.4
18	3.34841	26450.5	3.41007	Puente Formation	335	20	2687.78	3151.88	7739.32	0	7739.32	7899.47	7899.47
19	3.34841	27045.8	3.41007	Puente Formation	335	20	2741.96	3215.42	7913.9	0	7913.9	8077.28	8077.28
20	3.18202	25747.5	40.7213	Puente Formation	530	25	3781.07	4433.95	8372.05	0	8372.05	11626.7	11626.7
21	3.18202	25272	40.7213	Puente Formation	530	25	2689.85	3154.31	5627.87	0	5627.87	7943.24	7943.24
22	3.18202	24796.6	40.7213	Puente Formation	530	25	3692.53	4330.12	8149.37	0	8149.37	11327.8	11327.8
23	3.18202	24321.1	40.7213	Puente Formation	530	25	2601.32	3050.49	5405.19	0	5405.19	7644.36	7644.36
24	3.18202	23844.9	40.7213	Puente Formation	530	25	3603.92	4226.21	7926.56	0	7926.56	11028.7	11028.7
25	3.18202	23368	40.7213	Puente Formation	530	25	3559.51	4174.13	7814.88	0	7814.88	10878.8	10878.8
26	3.18202	22891	40.7213	Puente Formation	530	25	2468.15	2894.33	5070.31	0	5070.31	7194.85	7194.85
27	3.08667	21767.4	40.7213	Puente Formation	530	25	3505.44	4110.73	7678.89	0	7678.89	10696.3	10696.3
28	3.08667	21354.9	40.7213	Puente Formation	530	25	2386.56	2798.65	4865.13	0	4865.13	6919.44	6919.44
29	3.08667	20942.5	40.7213	Puente Formation	530	25	2346.97	2752.22	4765.56	0	4765.56	6785.79	6785.79
30	3.08667	20530	40.7213	Puente Formation	530	25	2307.38	2705.79	4666	0	4666	6652.14	6652.14
31	3.08667	20117.5	40.7213	Puente Formation	530	25	2267.78	2659.36	4566.41	0	4566.41	6518.47	6518.47
32	3.08667	19705	40.7213	Puente Formation	530	25	2228.19	2612.93	4466.84	0	4466.84	6384.83	6384.83
33	3.08667	19292.5	40.7213	Puente Formation	530	25	2188.6	2566.5	4367.28	0	4367.28	6251.18	6251.18
34	3.48688	21092.8	48.7872	Puente Formation	530	25	1965.46	2304.84	3806.16	0	3806.16	6050.28	6050.28

35	3.48688	20156.5	48.7872	Puente Formation	530	25	1892.02	2218.71	3621.44	0	3621.44	5781.7	5781.7
36	3.48688	19020.3	48.7872	Puente Formation	530	25	1802.89	2114.19	3397.3	0	3397.3	5455.79	5455.79
37	3.48688	17379	48.7872	Puente Formation	530	25	1674.15	1963.22	3073.53	0	3073.53	4985.03	4985.03
38	3.48688	15713.2	48.7872	Puente Formation	530	25	1543.47	1809.98	2744.92	0	2744.92	4507.22	4507.22
39	3.48688	14097.4	48.7872	Puente Formation	530	25	1416.72	1661.34	2426.18	0	2426.18	4043.75	4043.75
40	3.48688	16565.7	48.7872	Puente Formation	530	25	1610.34	1888.4	2913.11	0	2913.11	4751.76	4751.76
41	3.48688	14899.9	48.7872	Puente Formation	530	25	1479.67	1735.17	2584.48	0	2584.48	4273.94	4273.94
42	3.48688	13234	48.7872	Puente Formation	530	25	1352.34	1585.85	2264.26	0	2264.26	3808.33	3808.33
43	3.48688	11568.2	48.7872	Puente Formation	530	25	1245.67	1460.76	1996.03	0	1996.03	3418.31	3418.31
44	3.48688	9902.33	48.7872	Puente Formation	530	25	1115	1307.53	1667.41	0	1667.41	2940.49	2940.49
45	3.48688	8236.48	48.7872	Puente Formation	530	25	984.326	1154.29	1338.79	0	1338.79	2462.67	2462.67
46	3.53877	6762.34	45	Puente Formation	530	25	895.628	1050.28	1115.73	0	1115.73	2011.36	2011.36
47	3.53877	5259.6	45	Puente Formation	530	25	774.793	908.576	811.86	0	811.86	1586.65	1586.65
48	3.53877	3756.86	45	Puente Formation	530	25	653.958	766.877	507.984	0	507.984	1161.94	1161.94
49	3.53877	2254.11	45	Puente Formation	530	25	533.123	625.178	204.109	0	204.109	737.233	737.233
50	3.53877	751.372	45	Puente Formation	530	25	412.289	483.479	-99.7654	0	-99.7654	312.523	312.523

Query 1 (bishop simplified) - Safety Factor: 1.17267

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.75135	2049.96	-45	Puente 2	530	25	1836.65	2153.79	3482.24	0	3482.24	1645.58	1645.58
2	3.75135	3809.03	-45	Puente 2	530	25	2146.12	2516.69	4260.48	0	4260.48	2114.36	2114.36
3	3.75135	5568.11	-45	Puente 2	530	25	2455.58	2879.58	5038.69	0	5038.69	2583.12	2583.12
4	0.347657	597.087	3.41007	Puente 2	530	25	1535.94	1801.15	2725.98	0	2725.98	2817.5	2817.5
5	3.34841	5704.68	3.41007	Puente Formation	335	20	1134.9	1330.86	2736.1	0	2736.1	2803.73	2803.73
6	3.34841	5621.17	3.41007	Puente Formation	335	20	1127.3	1321.95	2711.61	0	2711.61	2778.79	2778.79
7	3.34841	5537.66	3.41007	Puente Formation	335	20	1119.7	1313.03	2687.13	0	2687.13	2753.85	2753.85
8	3.34841	5454.15	3.41007	Puente Formation	335	20	1112.1	1304.12	2662.64	0	2662.64	2728.91	2728.91
9	3.34841	5370.64	3.41007	Puente Formation	335	20	1104.5	1295.21	2638.15	0	2638.15	2703.96	2703.96
10	3.34841	17059.9	3.41007	Puente Formation	335	20	2583.63	3029.74	7403.72	0	7403.72	7557.67	7557.67
11	3.34841	17904.1	3.41007	Puente Formation	335	20	1909.97	2239.76	5233.29	0	5233.29	5347.1	5347.1
12	3.34841	17823.2	3.41007	Puente Formation	335	20	1902.6	2231.12	5209.56	0	5209.56	5322.93	5322.93
13	3.34841	17746.7	3.41007	Puente Formation	335	20	1895.64	2222.96	5187.14	0	5187.14	5300.1	5300.1
14	3.34841	20781.3	3.41007	Puente Formation	335	20	2171.83	2546.84	6076.97	0	6076.97	6206.38	6206.38
15	3.34841	24955.9	3.41007	Puente Formation	335	20	2551.76	2992.37	7301.05	0	7301.05	7453.1	7453.1
16	3.34841	25440.1	3.41007	Puente Formation	335	20	2595.83	3044.05	7443.07	0	7443.07	7597.75	7597.75
17	3.34841	25924.4	3.41007	Puente Formation	335	20	3663.24	4295.77	10882.1	0	10882.1	11100.4	11100.4
18	3.34841	26450.5	3.41007	Puente Formation	335	20	2687.78	3151.88	7739.32	0	7739.32	7899.47	7899.47
19	3.34841	27045.8	3.41007	Puente Formation	335	20	2741.96	3215.42	7913.9	0	7913.9	8077.28	8077.28
20	3.18202	25747.5	40.7213	Puente Formation	530	25	3781.07	4433.95	8372.05	0	8372.05	11626.7	11626.7
21	3.18202	25272	40.7213	Puente Formation	530	25	2689.85	3154.31	5627.87	0	5627.87	7943.24	7943.24
22	3.18202	24796.6	40.7213	Puente Formation	530	25	3692.53	4330.12	8149.37	0	8149.37	11327.8	11327.8
23	3.18202	24321.1	40.7213	Puente Formation	530	25	2601.32	3050.49	5405.19	0	5405.19	7644.36	7644.36
24	3.18202	23844.9	40.7213	Puente Formation	530	25	3603.92	4226.21	7926.56	0	7926.56	11028.7	11028.7
25	3.18202	23368	40.7213	Puente Formation	530	25	3559.51	4174.13	7814.88	0	7814.88	10878.8	10878.8
26	3.18202	22891	40.7213	Puente Formation	530	25	2468.15	2894.33	5070.31	0	5070.31	7194.85	7194.85
27	3.08667	21767.4	40.7213	Puente Formation	530	25	3505.44	4110.73	7678.89	0	7678.89	10696.3	10696.3
28	3.08667	21354.9	40.7213	Puente Formation	530	25	2386.56	2798.65	4865.13	0	4865.13	6919.44	6919.44
29	3.08667	20942.5	40.7213	Puente Formation	530	25	2346.97	2752.22	4765.56	0	4765.56	6785.79	6785.79
30	3.08667	20530	40.7213	Puente Formation	530	25	2307.38	2705.79	4666	0	4666	6652.14	6652.14
31	3.08667	20117.5	40.7213	Puente Formation	530	25	2267.78	2659.36	4566.41	0	4566.41	6518.47	6518.47
32	3.08667	19705	40.7213	Puente Formation	530	25	2228.19	2612.93	4466.84	0	4466.84	6384.83	6384.83
33	3.08667	19292.5	40.7213	Puente Formation	530	25	2188.6	2566.5	4367.28	0	4367.28	6251.18	6251.18
34	3.48688	21092.8	48.7872	Puente Formation	530	25	1965.46	2304.84	3806.16	0	3806.16	6050.28	6050.28
35	3.48688	20156.5	48.7872	Puente Formation	530	25	1892.02	2218.71	3621.44	0	3621.44	5781.7	5781.7

36	3.48688	19020.3	48.7872	Puente Formation	530	25	1802.89	2114.19	3397.3	0	3397.3	5455.79	5455.79
37	3.48688	17379	48.7872	Puente Formation	530	25	1674.15	1963.22	3073.53	0	3073.53	4985.03	4985.03
38	3.48688	15713.2	48.7872	Puente Formation	530	25	1543.47	1809.98	2744.92	0	2744.92	4507.22	4507.22
39	3.48688	14097.4	48.7872	Puente Formation	530	25	1416.72	1661.34	2426.18	0	2426.18	4043.75	4043.75
40	3.48688	16565.7	48.7872	Puente Formation	530	25	1610.34	1888.4	2913.11	0	2913.11	4751.76	4751.76
41	3.48688	14899.9	48.7872	Puente Formation	530	25	1479.67	1735.17	2584.48	0	2584.48	4273.94	4273.94
42	3.48688	13234	48.7872	Puente Formation	530	25	1352.34	1585.85	2264.26	0	2264.26	3808.33	3808.33
43	3.48688	11568.2	48.7872	Puente Formation	530	25	1245.67	1460.76	1996.03	0	1996.03	3418.31	3418.31
44	3.48688	9902.33	48.7872	Puente Formation	530	25	1115	1307.53	1667.41	0	1667.41	2940.49	2940.49
45	3.48688	8236.48	48.7872	Puente Formation	530	25	984.326	1154.29	1338.79	0	1338.79	2462.67	2462.67
46	3.53877	6762.34	45	Puente Formation	530	25	895.628	1050.28	1115.73	0	1115.73	2011.36	2011.36
47	3.53877	5259.6	45	Puente Formation	530	25	774.793	908.576	811.86	0	811.86	1586.65	1586.65
48	3.53877	3756.86	45	Puente Formation	530	25	653.958	766.877	507.984	0	507.984	1161.94	1161.94
49	3.53877	2254.11	45	Puente Formation	530	25	533.123	625.178	204.109	0	204.109	737.233	737.233
50	3.53877	751.372	45	Puente Formation	530	25	412.289	483.479	-99.7654	0	-99.7654	312.523	312.523

Global Minimum Query (janbu simplified) - Safety Factor: 1.01729

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.75135	2049.96	-45	Puente 2	530	25	2355.16	2395.88	4001.39	0	4001.39	1646.23	1646.23
2	3.75135	3809.03	-45	Puente 2	530	25	2751.99	2799.57	4867.11	0	4867.11	2115.12	2115.12
3	3.75135	5568.11	-45	Puente 2	530	25	3148.81	3203.25	5732.8	0	5732.8	2584	2584
4	0.347657	597.087	3.41007	Puente 2	530	25	1764.29	1794.79	2712.34	0	2712.34	2817.47	2817.47
5	3.34841	5704.68	3.41007	Puente Formation	335	20	1304.61	1327.17	2725.97	0	2725.97	2803.7	2803.7
6	3.34841	5621.17	3.41007	Puente Formation	335	20	1295.88	1318.28	2701.55	0	2701.55	2778.76	2778.76
7	3.34841	5537.66	3.41007	Puente Formation	335	20	1287.14	1309.39	2677.12	0	2677.12	2753.82	2753.82
8	3.34841	5454.15	3.41007	Puente Formation	335	20	1278.4	1300.51	2652.71	0	2652.71	2728.88	2728.88
9	3.34841	5370.64	3.41007	Puente Formation	335	20	1269.67	1291.62	2628.29	0	2628.29	2703.94	2703.94
10	3.34841	17059.9	3.41007	Puente Formation	335	20	2969.98	3021.33	7380.65	0	7380.65	7557.62	7557.62
11	3.34841	17904.1	3.41007	Puente Formation	335	20	2195.59	2233.55	5216.24	0	5216.24	5347.07	5347.07
12	3.34841	17823.2	3.41007	Puente Formation	335	20	2187.11	2224.93	5192.57	0	5192.57	5322.89	5322.89
13	3.34841	17746.7	3.41007	Puente Formation	335	20	2179.12	2216.8	5170.21	0	5170.21	5300.06	5300.06
14	3.34841	20781.3	3.41007	Puente Formation	335	20	2496.6	2539.77	6057.56	0	6057.56	6206.33	6206.33
15	3.34841	24955.9	3.41007	Puente Formation	335	20	2933.35	2984.07	7278.27	0	7278.27	7453.06	7453.06
16	3.34841	25440.1	3.41007	Puente Formation	335	20	2984.02	3035.61	7419.88	0	7419.88	7597.69	7597.69
17	3.34841	25924.4	3.41007	Puente Formation	335	20	4211.05	4283.86	10849.4	0	10849.4	11100.3	11100.3
18	3.34841	26450.5	3.41007	Puente Formation	335	20	3089.72	3143.14	7715.32	0	7715.32	7899.43	7899.43
19	3.34841	27045.8	3.41007	Puente Formation	335	20	3152.01	3206.51	7889.39	0	7889.39	8077.21	8077.21
20	3.18202	25747.5	40.7213	Puente Formation	530	25	4194.79	4267.32	8014.71	0	8014.71	11625.5	11625.5
21	3.18202	25272	40.7213	Puente Formation	530	25	2984.17	3035.77	5373.66	0	5373.66	7942.38	7942.38
22	3.18202	24796.6	40.7213	Puente Formation	530	25	4096.56	4167.39	7800.42	0	7800.42	11326.7	11326.7
23	3.18202	24321.1	40.7213	Puente Formation	530	25	2885.95	2935.85	5159.37	0	5159.37	7643.54	7643.54
24	3.18202	23844.9	40.7213	Puente Formation	530	25	3998.26	4067.39	7585.96	0	7585.96	11027.6	11027.6
25	3.18202	23368	40.7213	Puente Formation	530	25	3948.99	4017.27	7478.47	0	7478.47	10877.7	10877.7
26	3.18202	22891	40.7213	Puente Formation	530	25	2738.22	2785.56	4837.06	0	4837.06	7194.07	7194.07
27	3.08667	21767.4	40.7213	Puente Formation	530	25	3889	3956.24	7347.61	0	7347.61	10695.2	10695.2
28	3.08667	21354.9	40.7213	Puente Formation	530	25	2647.69	2693.47	4639.58	0	4639.58	6918.66	6918.66
29	3.08667	20942.5	40.7213	Puente Formation	530	25	2603.77	2648.79	4543.74	0	4543.74	6785.02	6785.02
30	3.08667	20530	40.7213	Puente Formation	530	25	2559.84	2604.1	4447.94	0	4447.94	6651.4	6651.4
31	3.08667	20117.5	40.7213	Puente Formation	530	25	2515.92	2559.42	4352.1	0	4352.1	6517.76	6517.76
32	3.08667	19705	40.7213	Puente Formation	530	25	2471.99	2514.73	4256.27	0	4256.27	6384.11	6384.11
33	3.08667	19292.5	40.7213	Puente Formation	530	25	2428.07	2470.05	4160.44	0	4160.44	6250.47	6250.47
34	3.48688	21092.8	48.7872	Puente Formation	530	25	2162.27	2199.66	3580.61	0	3580.61	6049.44	6049.44
35	3.48688	20156.5	48.7872	Puente Formation	530	25	2081.47	2117.46	3404.31	0	3404.31	5780.89	5780.89

36	3.48688	19020.3	48.7872	Puente Formation	530	25	1983.42	2017.71	3190.4	0	3190.4	5455.02	5455.02
37	3.48688	17379	48.7872	Puente Formation	530	25	1841.79	1873.63	2881.42	0	2881.42	4984.33	4984.33
38	3.48688	15713.2	48.7872	Puente Formation	530	25	1698.02	1727.38	2567.8	0	2567.8	4506.56	4506.56
39	3.48688	14097.4	48.7872	Puente Formation	530	25	1558.58	1585.53	2263.58	0	2263.58	4043.13	4043.13
40	3.48688	16565.7	48.7872	Puente Formation	530	25	1771.6	1802.23	2728.3	0	2728.3	4751.06	4751.06
41	3.48688	14899.9	48.7872	Puente Formation	530	25	1627.83	1655.98	2414.67	0	2414.67	4273.29	4273.29
42	3.48688	13234	48.7872	Puente Formation	530	25	1487.76	1513.48	2109.08	0	2109.08	3807.76	3807.76
43	3.48688	11568.2	48.7872	Puente Formation	530	25	1370.41	1394.11	1853.08	0	1853.08	3417.78	3417.78
44	3.48688	9902.33	48.7872	Puente Formation	530	25	1226.65	1247.86	1539.46	0	1539.46	2940.02	2940.02
45	3.48688	8236.48	48.7872	Puente Formation	530	25	1082.89	1101.62	1225.83	0	1225.83	2462.25	2462.25
46	3.53877	6762.34	45	Puente Formation	530	25	989.324	1006.43	1021.7	0	1021.7	2011.03	2011.03
47	3.53877	5259.6	45	Puente Formation	530	25	855.847	870.645	730.516	0	730.516	1586.36	1586.36
48	3.53877	3756.86	45	Puente Formation	530	25	722.371	734.861	439.326	0	439.326	1161.7	1161.7
49	3.53877	2254.11	45	Puente Formation	530	25	588.896	599.078	148.138	0	148.138	737.034	737.034
50	3.53877	751.372	45	Puente Formation	530	25	455.42	463.294	-143.051	0	-143.051	312.369	312.369

Query 1 (janbu simplified) - Safety Factor: 1.01729

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.75135	2049.96	-45	Puente 2	530	25	2355.16	2395.88	4001.39	0	4001.39	1646.23	1646.23
2	3.75135	3809.03	-45	Puente 2	530	25	2751.99	2799.57	4867.11	0	4867.11	2115.12	2115.12
3	3.75135	5568.11	-45	Puente 2	530	25	3148.81	3203.25	5732.8	0	5732.8	2584	2584
4	0.347657	597.087	3.41007	Puente 2	530	25	1764.29	1794.79	2712.34	0	2712.34	2817.47	2817.47
5	3.34841	5704.68	3.41007	Puente Formation	335	20	1304.61	1327.17	2725.97	0	2725.97	2803.7	2803.7
6	3.34841	5621.17	3.41007	Puente Formation	335	20	1295.88	1318.28	2701.55	0	2701.55	2778.76	2778.76
7	3.34841	5537.66	3.41007	Puente Formation	335	20	1287.14	1309.39	2677.12	0	2677.12	2753.82	2753.82
8	3.34841	5454.15	3.41007	Puente Formation	335	20	1278.4	1300.51	2652.71	0	2652.71	2728.88	2728.88
9	3.34841	5370.64	3.41007	Puente Formation	335	20	1269.67	1291.62	2628.29	0	2628.29	2703.94	2703.94
10	3.34841	17059.9	3.41007	Puente Formation	335	20	2969.98	3021.33	7380.65	0	7380.65	7557.62	7557.62
11	3.34841	17904.1	3.41007	Puente Formation	335	20	2195.59	2233.55	5216.24	0	5216.24	5347.07	5347.07
12	3.34841	17823.2	3.41007	Puente Formation	335	20	2187.11	2224.93	5192.57	0	5192.57	5322.89	5322.89
13	3.34841	17746.7	3.41007	Puente Formation	335	20	2179.12	2216.8	5170.21	0	5170.21	5300.06	5300.06
14	3.34841	20781.3	3.41007	Puente Formation	335	20	2496.6	2539.77	6057.56	0	6057.56	6206.33	6206.33
15	3.34841	24955.9	3.41007	Puente Formation	335	20	2933.35	2984.07	7278.27	0	7278.27	7453.06	7453.06
16	3.34841	25440.1	3.41007	Puente Formation	335	20	2984.02	3035.61	7419.88	0	7419.88	7597.69	7597.69
17	3.34841	25924.4	3.41007	Puente Formation	335	20	4211.05	4283.86	10849.4	0	10849.4	11100.3	11100.3
18	3.34841	26450.5	3.41007	Puente Formation	335	20	3089.72	3143.14	7715.32	0	7715.32	7899.43	7899.43
19	3.34841	27045.8	3.41007	Puente Formation	335	20	3152.01	3206.51	7889.39	0	7889.39	8077.21	8077.21
20	3.18202	25747.5	40.7213	Puente Formation	530	25	4194.79	4267.32	8014.71	0	8014.71	11625.5	11625.5
21	3.18202	25272	40.7213	Puente Formation	530	25	2984.17	3035.77	5373.66	0	5373.66	7942.38	7942.38
22	3.18202	24796.6	40.7213	Puente Formation	530	25	4096.56	4167.39	7800.42	0	7800.42	11326.7	11326.7
23	3.18202	24321.1	40.7213	Puente Formation	530	25	2885.95	2935.85	5159.37	0	5159.37	7643.54	7643.54
24	3.18202	23844.9	40.7213	Puente Formation	530	25	3998.26	4067.39	7585.96	0	7585.96	11027.6	11027.6
25	3.18202	23368	40.7213	Puente Formation	530	25	3948.99	4017.27	7478.47	0	7478.47	10877.7	10877.7
26	3.18202	22891	40.7213	Puente Formation	530	25	2738.22	2785.56	4837.06	0	4837.06	7194.07	7194.07
27	3.08667	21767.4	40.7213	Puente Formation	530	25	3889	3956.24	7347.61	0	7347.61	10695.2	10695.2
28	3.08667	21354.9	40.7213	Puente Formation	530	25	2647.69	2693.47	4639.58	0	4639.58	6918.66	6918.66
29	3.08667	20942.5	40.7213	Puente Formation	530	25	2603.77	2648.79	4543.74	0	4543.74	6785.02	6785.02
30	3.08667	20530	40.7213	Puente Formation	530	25	2559.84	2604.1	4447.94	0	4447.94	6651.4	6651.4
31	3.08667	20117.5	40.7213	Puente Formation	530	25	2515.92	2559.42	4352.1	0	4352.1	6517.76	6517.76
32	3.08667	19705	40.7213	Puente Formation	530	25	2471.99	2514.73	4256.27	0	4256.27	6384.11	6384.11
33	3.08667	19292.5	40.7213	Puente Formation	530	25	2428.07	2470.05	4160.44	0	4160.44	6250.47	6250.47
34	3.48688	21092.8	48.7872	Puente Formation	530	25	2162.27	2199.66	3580.61	0	3580.61	6049.44	6049.44
35	3.48688	20156.5	48.7872	Puente Formation	530	25	2081.47	2117.46	3404.31	0	3404.31	5780.89	5780.89

36	3.48688	19020.3	48.7872	Puente Formation	530	25	1983.42	2017.71	3190.4	0	3190.4	5455.02	5455.02
37	3.48688	17379	48.7872	Puente Formation	530	25	1841.79	1873.63	2881.42	0	2881.42	4984.33	4984.33
38	3.48688	15713.2	48.7872	Puente Formation	530	25	1698.02	1727.38	2567.8	0	2567.8	4506.56	4506.56
39	3.48688	14097.4	48.7872	Puente Formation	530	25	1558.58	1585.53	2263.58	0	2263.58	4043.13	4043.13
40	3.48688	16565.7	48.7872	Puente Formation	530	25	1771.6	1802.23	2728.3	0	2728.3	4751.06	4751.06
41	3.48688	14899.9	48.7872	Puente Formation	530	25	1627.83	1655.98	2414.67	0	2414.67	4273.29	4273.29
42	3.48688	13234	48.7872	Puente Formation	530	25	1487.76	1513.48	2109.08	0	2109.08	3807.76	3807.76
43	3.48688	11568.2	48.7872	Puente Formation	530	25	1370.41	1394.11	1853.08	0	1853.08	3417.78	3417.78
44	3.48688	9902.33	48.7872	Puente Formation	530	25	1226.65	1247.86	1539.46	0	1539.46	2940.02	2940.02
45	3.48688	8236.48	48.7872	Puente Formation	530	25	1082.89	1101.62	1225.83	0	1225.83	2462.25	2462.25
46	3.53877	6762.34	45	Puente Formation	530	25	989.324	1006.43	1021.7	0	1021.7	2011.03	2011.03
47	3.53877	5259.6	45	Puente Formation	530	25	855.847	870.645	730.516	0	730.516	1586.36	1586.36
48	3.53877	3756.86	45	Puente Formation	530	25	722.371	734.861	439.326	0	439.326	1161.7	1161.7
49	3.53877	2254.11	45	Puente Formation	530	25	588.896	599.078	148.138	0	148.138	737.034	737.034
50	3.53877	751.372	45	Puente Formation	530	25	455.42	463.294	-143.051	0	-143.051	312.369	312.369

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 1.46137

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	3.09316	1563.04	-45	Puente 2	530	25	1456.43	2128.39	3427.75	0	3427.75	1971.32	1971.32
2	3.09316	2758.99	-45	Puente 2	530	25	2180.33	3186.27	5696.39	0	5696.39	3516.06	3516.06
3	3.01404	3838.88	-45	Puente Formation	530	25	3408.51	4981.1	9545.42	0	9545.42	6136.91	6136.91
4	3.14339	4280.27	27.0619	Puente Formation	530	25	1436.15	2098.74	3364.19	0	3364.19	4097.9	4097.9
5	3.14339	3649.27	27.0619	Puente Formation	530	25	1358.27	1984.94	3120.13	0	3120.13	3814.05	3814.05
6	3.14339	3018.27	27.0619	Puente Formation	530	25	1285.49	1878.58	2892.04	0	2892.04	3548.79	3548.79
7	3.14339	12395.3	27.0619	Puente Formation	530	25	2313.64	3381.08	6114.16	0	6114.16	7296.17	7296.17
8	3.14339	13679.1	27.0619	Puente Formation	530	25	3954.32	5778.72	11255.9	0	11255.9	13276.1	13276.1
9	3.14339	13049.3	27.0619	Puente Formation	530	25	1630.46	2382.71	3973.16	0	3973.16	4806.15	4806.15
10	3.14339	12424.2	27.0619	Puente Formation	530	25	1519.39	2220.39	3625.05	0	3625.05	4401.29	4401.29
11	3.14339	12233.4	27.0619	Puente Formation	530	25	4184.5	6115.1	11977.3	0	11977.3	14115.1	14115.1
12	3.14339	17867.7	27.0619	Puente Formation	530	25	1806.03	2639.28	4523.36	0	4523.36	5446.04	5446.04
13	3.14339	17737.1	27.0619	Puente Formation	530	25	4673.22	6829.31	13508.9	0	13508.9	15896.4	15896.4
14	2.9515	16543.8	27.0619	Puente Formation	530	25	1724.27	2519.79	4267.11	0	4267.11	5148.01	5148.01
15	2.9515	16446.1	27.0619	Puente Formation	530	25	1641.77	2399.23	4008.57	0	4008.57	4847.33	4847.33
16	2.9515	16402.2	27.0619	Puente Formation	530	25	4985.13	7285.12	14486.4	0	14486.4	17033.2	17033.2
17	2.9515	16390.8	27.0619	Puente Formation	530	25	1573.67	2299.71	3795.13	0	3795.13	4599.1	4599.1
18	2.9515	16379.4	27.0619	Puente Formation	530	25	5055.63	7388.15	14707.4	0	14707.4	17290.2	17290.2
19	2.9515	16368.1	27.0619	Puente Formation	530	25	1497.53	2188.44	3556.54	0	3556.54	4321.6	4321.6
20	2.9515	16356.7	27.0619	Puente Formation	530	25	1433.03	2094.19	3354.42	0	3354.42	4086.54	4086.54
21	2.9515	16345.3	27.0619	Puente Formation	530	25	5061.16	7396.23	14724.7	0	14724.7	17310.4	17310.4
22	3.00819	16798.2	13.1381	Puente Formation	530	25	1811.91	2647.87	4541.79	0	4541.79	4964.7	4964.7
23	3.00819	17087.7	13.1381	Puente Formation	530	25	1758.85	2570.33	4375.49	0	4375.49	4786.02	4786.02
24	3.00819	17377.2	13.1381	Puente Formation	530	25	1709.85	2498.73	4221.95	0	4221.95	4621.04	4621.04
25	3.00819	17666.7	13.1381	Puente Formation	530	25	1665.63	2434.1	4083.36	0	4083.36	4472.13	4472.13
26	3.00819	17956.1	13.1381	Puente Formation	530	25	1626.84	2377.41	3961.8	0	3961.8	4341.52	4341.52
27	3.00819	18245.6	13.1381	Puente Formation	530	25	1594.08	2329.54	3859.12	0	3859.12	4231.19	4231.19
28	3.00819	18535.1	13.1381	Puente Formation	530	25	1567.89	2291.27	3777.06	0	3777.06	4143.01	4143.01
29	3.00819	18824.6	13.1381	Puente Formation	530	25	1548.75	2263.29	3717.04	0	3717.04	4078.53	4078.53
30	3.00819	19114.1	13.1381	Puente Formation	530	25	1537.02	2246.16	3680.29	0	3680.29	4039.05	4039.05
31	3.00819	19403.6	13.1381	Puente Formation	530	25	1533.03	2240.33	3667.83	0	3667.83	4025.65	4025.65
32	3.00819	19693.1	13.1381	Puente Formation	530	25	1537.01	2246.14	3680.26	0	3680.26	4039.01	4039.01
33	2.89629	18670.5	53.5326	Puente Formation	530	25	787.073	1150.2	1330.04	0	1330.04	2394.97	2394.97
34	2.89629	17811.9	53.5326	Puente Formation	530	25	762.257	1113.94	1252.26	0	1252.26	2283.62	2283.62

35	2.89629	16846	53.5326	Puente Formation	530	25	742.477	1085.03	1190.27	0	1190.27	2194.87	2194.87
36	2.89629	15514.4	53.5326	Puente Formation	530	25	717.06	1047.89	1110.62	0	1110.62	2080.82	2080.82
37	2.89629	14152.5	53.5326	Puente Formation	530	25	693.187	1013	1035.8	0	1035.8	1973.71	1973.71
38	2.89629	12790.5	53.5326	Puente Formation	530	25	669.52	978.417	961.633	0	961.633	1867.51	1867.51
39	2.89629	11998.5	53.5326	Puente Formation	530	25	665.365	972.345	948.612	0	948.612	1848.87	1848.87
40	2.89629	13542.1	53.5326	Puente Formation	530	25	752.478	1099.65	1221.62	0	1221.62	2239.74	2239.74
41	2.89629	12180.1	53.5326	Puente Formation	530	25	734.869	1073.91	1166.43	0	1166.43	2160.73	2160.73
42	2.89629	10818.1	53.5326	Puente Formation	530	25	714.027	1043.46	1101.11	0	1101.11	2067.21	2067.21
43	2.89629	9456.12	53.5326	Puente Formation	530	25	699.914	1022.83	1056.89	0	1056.89	2003.89	2003.89
44	2.89629	8094.14	53.5326	Puente Formation	530	25	675.223	986.75	979.503	0	979.503	1893.1	1893.1
45	2.89629	6732.15	53.5326	Puente Formation	530	25	638.731	933.423	865.142	0	865.142	1729.36	1729.36
46	2.89629	5370.17	53.5326	Puente Formation	530	25	593.622	867.501	723.772	0	723.772	1526.96	1526.96
47	3.37299	4778.35	45	Puente Formation	530	25	596.602	871.856	733.113	0	733.113	1329.72	1329.72
48	3.37299	3413.11	45	Puente Formation	530	25	532.771	778.575	533.072	0	533.072	1065.84	1065.84
49	3.37299	2047.87	45	Puente Formation	530	25	453.884	663.293	285.848	0	285.848	739.732	739.732
50	3.37299	682.622	45	Puente Formation	530	25	356.982	521.683	-17.8355	0	-17.8355	339.147	339.147

Query 1 (gle/morgenstern-price) - Safety Factor: 1.48998

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	N/A	N/A	N/A	Puente Formation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	Puente Formation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	Puente Formation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	Puente Formation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	Puente Formation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Interslice Data

Curved - Master Scenario

Global Minimum Query (bishop simplified) - Safety Factor: 2.03013

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	183	452.494	0	0	0
2	185.286	452.497	845.281	0	0
3	187.572	452.531	1728.11	0	0
4	189.858	452.597	2639.85	0	0
5	192.144	452.693	3572.3	0	0
6	194.516	452.826	4222.93	0	0
7	196.888	452.992	4870.27	0	0
8	199.261	453.192	5509.82	0	0
9	201.633	453.426	6210.15	0	0
10	204.005	453.693	6991.31	0	0
11	206.378	453.995	7851.61	0	0
12	208.75	454.331	8781.21	0	0
13	211.123	454.701	9674.81	0	0
14	213.495	455.107	10525.3	0	0
15	215.867	455.547	11326	0	0
16	218.24	456.022	12070.6	0	0
17	220.612	456.533	12753	0	0
18	222.984	457.08	13367.8	0	0
19	225.357	457.663	13909.7	0	0
20	227.729	458.282	14373.8	0	0
21	230.101	458.939	14755.7	0	0
22	232.474	459.633	15051.5	0	0
23	234.846	460.365	15257.3	0	0
24	237.218	461.136	15369.9	0	0
25	239.591	461.946	15386.5	0	0
26	241.963	462.795	15304.6	0	0
27	244.336	463.685	15122.3	0	0
28	246.708	464.615	14837.8	0	0
29	249.08	465.588	14450.2	0	0
30	251.453	466.603	13958.9	0	0
31	253.825	467.661	13367.6	0	0
32	256.197	468.763	12729.7	0	0
33	258.57	469.911	12071.3	0	0
34	260.942	471.105	11405.1	0	0
35	263.314	472.346	10745	0	0
36	265.687	473.636	10105.6	0	0
37	268.059	474.976	8769.55	0	0
38	270.431	476.367	7324.83	0	0
39	272.804	477.811	5900.12	0	0
40	275.176	479.309	4513.81	0	0
41	277.549	480.863	3131.23	0	0
42	279.921	482.475	1790.29	0	0
43	282.293	484.147	547.159	0	0
44	284.666	485.881	-573.428	0	0
45	287.038	487.68	-1544.69	0	0
46	289.41	489.546	-2337.54	0	0
47	291.783	491.483	-2920.38	0	0
48	294.155	493.493	-3258.72	0	0
49	296.527	495.58	-3314.82	0	0
50	298.9	497.747	-3047.33	0	0
51	301.272	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.97209

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	183	452.86	0	0	0
2	185.319	452.864	860.692	0	0
3	187.638	452.901	1761.94	0	0
4	189.957	452.972	2694.22	0	0
5	192.275	453.076	3648.52	0	0
6	194.561	453.212	4279.19	0	0
7	196.847	453.381	4906.87	0	0
8	199.133	453.583	5532.32	0	0
9	201.419	453.817	6241.16	0	0
10	203.705	454.085	7031.94	0	0
11	205.991	454.387	7903.15	0	0
12	208.276	454.722	8809.84	0	0
13	210.562	455.09	9683.1	0	0
14	212.848	455.493	10516.3	0	0
15	215.134	455.93	11303.3	0	0
16	217.42	456.401	12038.2	0	0
17	219.706	456.908	12715.4	0	0
18	221.991	457.449	13329.9	0	0
19	224.277	458.026	13876.8	0	0
20	226.563	458.64	14351.7	0	0
21	228.849	459.289	14750.6	0	0
22	231.135	459.976	15069.8	0	0
23	233.421	460.699	15306	0	0
24	235.706	461.461	15456.4	0	0
25	237.992	462.261	15518.3	0	0
26	240.278	463.101	15489.6	0	0
27	242.564	463.98	15368.8	0	0
28	244.85	464.899	15154.5	0	0
29	247.136	465.86	14846	0	0
30	249.422	466.863	14442.9	0	0
31	251.707	467.908	13945.4	0	0
32	253.993	468.998	13360.7	0	0
33	256.279	470.132	12745.2	0	0
34	258.565	471.312	12122.2	0	0
35	260.851	472.54	11505	0	0
36	263.137	473.815	10908	0	0
37	265.422	475.141	10346.5	0	0
38	267.708	476.517	9181.53	0	0
39	269.994	477.946	7813.75	0	0
40	272.28	479.429	6482.8	0	0
41	274.566	480.969	5208.03	0	0
42	276.852	482.567	3979.58	0	0
43	279.137	484.225	2786.25	0	0
44	281.423	485.946	1712.28	0	0
45	283.709	487.732	784.131	0	0
46	285.995	489.586	30.5778	0	0
47	288.281	491.511	-516.961	0	0
48	290.567	493.511	-824.105	0	0
49	292.853	495.59	-853.108	0	0
50	295.138	497.751	-562.386	0	0
51	297.424	500	0	0	0

Curved - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.30606

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	103.323	405	780	0	0
2	107.387	403.528	1778.96	0	0
3	111.451	402.183	3799.32	0	0
4	115.515	400.96	5991.65	0	0
5	119.579	399.858	8295.01	0	0
6	123.643	398.873	10656	0	0
7	127.707	398.004	13028.2	0	0
8	131.771	397.248	15371.1	0	0
9	135.835	396.603	17650	0	0
10	139.9	396.068	19756.6	0	0
11	143.964	395.643	21510.3	0	0
12	148.028	395.325	22976.2	0	0
13	152.092	395.115	24297.1	0	0
14	156.141	395.012	25903.2	0	0
15	160.19	395.015	27332.2	0	0
16	164.239	395.124	28362.3	0	0
17	168.289	395.339	29897.9	0	0
18	172.338	395.661	31560.7	0	0
19	176.387	396.09	33043	0	0
20	180.436	396.628	34502.5	0	0
21	184.485	397.274	35685.9	0	0
22	188.534	398.032	36330.7	0	0
23	192.584	398.902	67448.5	0	0
24	196.633	399.886	66539.5	0	0
25	200.682	400.988	95453.1	0	0
26	204.731	402.208	92899.6	0	0
27	208.78	403.551	89493.9	0	0
28	212.829	405.019	114917	0	0
29	216.879	406.617	109765	0	0
30	220.928	408.349	132769	0	0
31	224.977	410.22	125840	0	0
32	229.026	412.235	146379	0	0
33	233.075	414.401	137677	0	0
34	237.125	416.726	155735	0	0
35	241.093	419.167	145458	0	0
36	245.062	421.777	134238	0	0
37	249.031	424.567	122085	0	0
38	252.999	427.55	109015	0	0
39	256.968	430.739	95299.6	0	0
40	260.937	434.153	81277.6	0	0
41	264.905	437.811	67085.2	0	0
42	268.874	441.738	50619.7	0	0
43	272.843	445.965	33221.4	0	0
44	276.811	450.531	15911.2	0	0
45	280.78	455.483	-1259.89	0	0
46	284.749	460.888	-17699.9	0	0
47	288.717	466.834	-32954.5	0	0
48	292.686	473.446	-46396.8	0	0
49	296.655	480.917	-57115	0	0
50	300.623	489.565	-63675.8	0	0
51	304.592	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.84456

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	121.859	405	780	0	0
2	125.328	403.608	1891.71	0	0
3	128.797	402.331	4001.16	0	0
4	132.266	401.165	6267.91	0	0
5	135.734	400.106	8639.01	0	0
6	139.203	399.153	11068.2	0	0
7	142.672	398.303	13515	0	0
8	146.141	397.553	15944.3	0	0
9	149.61	396.902	18325.6	0	0
10	153.079	396.349	20633.1	0	0
11	156.597	395.885	22875.2	0	0
12	160.115	395.52	24999.5	0	0
13	163.634	395.252	26990.5	0	0
14	167.152	395.08	28836.2	0	0
15	170.67	395.004	34100.8	0	0
16	174.189	395.024	38791.4	0	0
17	177.707	395.14	42292.1	0	0
18	181.225	395.352	44799.7	0	0
19	184.743	395.661	47168.6	0	0
20	188.262	396.067	50073.7	0	0
21	191.78	396.571	53041.9	0	0
22	195.298	397.174	87561.6	0	0
23	198.817	397.879	89110.5	0	0
24	202.335	398.686	89923.6	0	0
25	205.853	399.597	121293	0	0
26	209.371	400.616	120574	0	0
27	212.89	401.744	119064	0	0
28	216.408	402.984	147097	0	0
29	219.926	404.341	143964	0	0
30	223.445	405.817	169685	0	0
31	226.963	407.419	164892	0	0
32	230.481	409.15	159263	0	0
33	233.999	411.017	181423	0	0
34	237.518	413.026	174128	0	0
35	241.036	415.186	193877	0	0
36	244.554	417.506	184959	0	0
37	248.157	420.058	174931	0	0
38	251.76	422.802	163929	0	0
39	255.363	425.754	152041	0	0
40	258.966	428.934	139594	0	0
41	262.569	432.365	126714	0	0
42	266.172	436.076	113402	0	0
43	269.775	440.105	97152.8	0	0
44	273.378	444.5	80678.8	0	0
45	276.98	449.325	64131.5	0	0
46	280.583	454.669	47638.2	0	0
47	284.186	460.665	31839.9	0	0
48	287.789	467.517	17371.2	0	0
49	291.392	475.587	5281.02	0	0
50	294.995	485.632	-2400	0	0
51	298.598	500	0	0	0

Curved - Curved Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.2946

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	107.067	405	780	0	0
2	110.826	403.59	6072.61	0	0
3	114.585	402.296	11995.5	0	0
4	118.343	401.116	17728.6	0	0
5	122.102	400.045	23238.4	0	0
6	125.861	399.083	28497.5	0	0
7	129.62	398.226	33483.5	0	0
8	133.379	397.473	38179	0	0
9	137.138	396.823	42570.8	0	0
10	140.896	396.272	46650	0	0
11	144.655	395.822	49961.4	0	0
12	148.414	395.47	52398.6	0	0
13	152.173	395.216	54402.9	0	0
14	156.055	395.056	57298.7	0	0
15	159.938	395	59868.4	0	0
16	163.82	395.047	61867.6	0	0
17	167.703	395.198	63018.4	0	0
18	171.585	395.453	64099.9	0	0
19	175.467	395.812	61296	0	0
20	179.35	396.276	58880.2	0	0
21	183.232	396.847	56571.9	0	0
22	187.114	397.525	52521.5	0	0
23	190.997	398.312	80661.3	0	0
24	194.879	399.211	74942.5	0	0
25	198.762	400.222	68376.6	0	0
26	202.644	401.348	93033.4	0	0
27	206.526	402.593	84739.8	0	0
28	210.409	403.96	107047	0	0
29	214.291	405.452	97051.3	0	0
30	218.173	407.073	86229.7	0	0
31	222.056	408.828	105093	0	0
32	225.938	410.723	92694.1	0	0
33	229.821	412.764	109363	0	0
34	233.703	414.957	95517.8	0	0
35	237.585	417.312	110120	0	0
36	241.485	419.85	94832.6	0	0
37	245.385	422.57	78751.9	0	0
38	249.285	425.486	61922.2	0	0
39	253.186	428.614	44398.7	0	0
40	257.086	431.972	26603.2	0	0
41	260.986	435.582	8971.98	0	0
42	264.886	439.47	-8310.74	0	0
43	268.786	443.67	-27857.4	0	0
44	272.686	448.225	-47948	0	0
45	276.586	453.19	-67178.9	0	0
46	280.486	458.639	-85370.9	0	0
47	284.386	464.677	-101810	0	0
48	288.286	471.458	-115804	0	0
49	292.186	479.226	-126342	0	0
50	296.086	488.422	-131788	0	0
51	299.986	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 0.970038

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	124.249	405	780	0	0
2	127.884	403.54	7823.64	0	0
3	131.52	402.207	15445.2	0	0
4	135.155	400.996	22821.6	0	0
5	138.791	399.904	29917.7	0	0
6	142.426	398.927	36705.4	0	0
7	146.062	398.064	43162.4	0	0
8	149.697	397.31	49271.9	0	0
9	153.332	396.666	55021.8	0	0
10	156.831	396.146	60208	0	0
11	160.329	395.725	65050.9	0	0
12	163.827	395.4	69550.2	0	0
13	167.326	395.171	73708.7	0	0
14	170.824	395.038	84788.9	0	0
15	174.322	395.001	88201.9	0	0
16	177.82	395.058	90227.3	0	0
17	181.319	395.211	90455.3	0	0
18	184.817	395.459	89608.2	0	0
19	188.315	395.804	88459.2	0	0
20	191.814	396.246	88018.9	0	0
21	195.312	396.786	122329	0	0
22	198.81	397.425	121024	0	0
23	202.309	398.165	118891	0	0
24	205.807	399.007	149725	0	0
25	209.305	399.955	145929	0	0
26	212.803	401.009	141302	0	0
27	216.302	402.173	168664	0	0
28	219.8	403.451	162401	0	0
29	223.298	404.845	155338	0	0
30	226.797	406.36	179314	0	0
31	230.295	408.001	170702	0	0
32	233.793	409.773	192494	0	0
33	237.291	411.682	182428	0	0
34	240.79	413.736	202132	0	0
35	244.288	415.943	190758	0	0
36	247.786	418.312	178803	0	0
37	251.29	420.859	166173	0	0
38	254.793	423.593	152848	0	0
39	258.297	426.531	139200	0	0
40	261.8	429.691	125389	0	0
41	265.304	433.097	111543	0	0
42	268.807	436.778	95427.3	0	0
43	272.311	440.769	78820.1	0	0
44	275.814	445.12	62519	0	0
45	279.318	449.893	46609.3	0	0
46	282.821	455.177	31563	0	0
47	286.325	461.101	17847.3	0	0
48	289.828	467.869	6118.27	0	0
49	293.332	475.84	-2581.95	0	0
50	296.835	485.765	-6317.69	0	0
51	300.339	500	0	0	0

Curved - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.07901

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	144.581	405	780	0	0
2	147.437	402.145	4088.2	0	0
3	150.292	399.289	9785.09	0	0
4	153.147	396.434	17090.7	0	0
5	154.565	395.016	21315.9	0	0
6	157.682	395.34	22310.7	0	0
7	160.799	395.664	23294.8	0	0
8	163.915	395.987	24268.2	0	0
9	167.032	396.311	25230.8	0	0
10	170.149	396.634	27654.4	0	0
11	173.265	396.958	29598.8	0	0
12	176.382	397.281	31532.6	0	0
13	179.499	397.605	33456.1	0	0
14	182.616	397.929	35369.4	0	0
15	185.732	398.252	37761.4	0	0
16	188.849	398.576	72584.8	0	0
17	191.966	398.899	75105.1	0	0
18	195.083	399.223	77656.5	0	0
19	198.199	399.547	80243.2	0	0
20	201.213	402.618	90936.4	0	0
21	204.227	405.69	102022	0	0
22	207.24	408.762	89394.6	0	0
23	210.254	411.834	101265	0	0
24	213.267	414.906	89422.3	0	0
25	216.524	418.225	101158	0	0
26	219.78	421.544	113321	0	0
27	223.036	424.863	101806	0	0
28	226.292	428.182	90719.2	0	0
29	229.548	431.501	80059.4	0	0
30	232.804	434.82	69827.1	0	0
31	236.06	438.139	60022.3	0	0
32	239.316	441.458	50645	0	0
33	242.572	444.777	41695.1	0	0
34	245.828	448.097	33172.8	0	0
35	249.085	451.416	25077.9	0	0
36	252.341	454.735	17410.5	0	0
37	255.597	458.054	10301.4	0	0
38	258.491	460.823	5064.79	0	0
39	261.386	463.592	408.168	0	0
40	264.281	466.362	-3668.45	0	0
41	267.175	469.131	-8015.42	0	0
42	270.07	471.901	-13026.3	0	0
43	272.965	474.67	-17457.3	0	0
44	276.131	477.836	-21857.4	0	0
45	279.297	481.003	-25692.6	0	0
46	282.463	484.169	-28765.6	0	0
47	285.63	487.335	-31076.6	0	0
48	288.796	490.501	-32625.6	0	0
49	291.962	493.668	-33412.4	0	0
50	295.128	496.834	-33437.1	0	0
51	298.294	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.82803

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	143.591	405	780	0	0
2	146.373	402.218	4447.92	0	0
3	149.155	399.437	10526.6	0	0
4	151.936	396.655	18236.1	0	0
5	153.39	396.738	19038	0	0
6	156.46	396.911	20174.9	0	0
7	159.531	397.085	21302.4	0	0
8	162.601	397.259	22420.4	0	0
9	165.671	397.433	23529.1	0	0
10	168.742	397.607	25805.4	0	0
11	171.812	397.781	28538.6	0	0
12	174.883	397.955	31262.5	0	0
13	177.953	398.129	33977.3	0	0
14	181.023	398.303	36683.6	0	0
15	184.094	398.477	39700.3	0	0
16	187.164	398.651	76297.2	0	0
17	190.234	398.825	79985.1	0	0
18	193.305	398.999	83731	0	0
19	196.375	399.173	87536.1	0	0
20	199.684	401.847	103706	0	0
21	202.993	404.522	93850.5	0	0
22	206.302	407.196	110426	0	0
23	209.611	409.87	100975	0	0
24	212.92	412.544	117956	0	0
25	216.229	415.219	135139	0	0
26	219.574	417.922	126194	0	0
27	222.918	420.625	143666	0	0
28	226.263	423.328	135100	0	0
29	229.608	426.031	126724	0	0
30	232.952	428.734	118537	0	0
31	236.297	431.437	110539	0	0
32	239.642	434.14	102731	0	0
33	242.986	436.843	95113	0	0
34	246.331	439.546	87684.2	0	0
35	249.391	443.248	77033.4	0	0
36	252.45	446.949	66964	0	0
37	255.51	450.651	57613.8	0	0
38	258.57	454.352	49247.8	0	0
39	261.629	458.054	41872.6	0	0
40	264.689	461.755	35488.3	0	0
41	267.749	465.457	28564.9	0	0
42	270.808	469.159	21485.4	0	0
43	273.868	472.86	15396.8	0	0
44	277.261	476.253	10752.4	0	0
45	280.653	479.645	6796.2	0	0
46	284.046	483.038	3659.05	0	0
47	287.438	486.43	1340.99	0	0
48	290.831	489.823	-157.986	0	0
49	294.223	493.215	-837.873	0	0
50	297.616	496.608	-698.672	0	0
51	301.008	500	0	0	0

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 2.23999

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	147.695	405	780	0	0
2	151.113	401.582	5293.3	332.218	3.59129
3	154.531	398.164	14585.4	1826.14	7.13648
4	156.431	396.264	22024.9	3516.38	9.07099
5	159.299	396.226	23943.9	5056.01	11.9235
6	162.167	396.188	25908	6785.42	14.6764
7	165.035	396.15	27916.5	8701.7	17.3125
8	167.902	396.112	29968.3	10800	19.8182
9	170.77	396.073	35487.1	14470.2	22.1836
10	173.638	396.035	40347.3	18304.1	24.4021
11	176.506	395.997	45303.7	22558.3	26.4703
12	179.374	395.959	50352.5	27211.1	28.3873
13	182.242	395.921	55487.8	32235	30.154
14	185.109	395.883	61839.4	38301.6	31.7729
15	187.977	395.845	68788.6	45095.8	33.2477
16	190.845	395.807	75935.3	52350.4	34.5827
17	193.931	398.52	84049.2	60770.5	35.8682
18	197.016	401.234	74713.9	56307.7	37.0033
19	200.102	403.947	83277.1	65048.4	37.9937
20	203.188	406.66	91983.6	74075.5	38.8449
21	206.273	409.374	83726.6	69171.1	39.562
22	209.359	412.087	92912.5	78376.2	40.1493
23	212.445	414.801	85346.4	73178	40.6106
24	215.503	417.49	95093.9	82507.6	40.9463
25	218.561	420.179	88197.3	77111.5	41.1634
26	221.619	422.869	98445.9	86375	41.2632
27	224.677	425.558	92104.4	80763.2	41.2464
28	227.736	428.247	86021.3	75075.3	41.1129
29	230.794	430.936	80175.9	69357	40.8618
30	233.852	433.626	74549.2	63651.9	40.4915
31	236.91	436.315	69124.2	58001	39.9995
32	239.969	439.004	63884.3	52442.9	39.3827
33	243.027	441.694	58814	47013.6	38.6375
34	246.085	444.383	53897.9	41746	37.7592
35	249.143	447.072	49120.9	36670.8	36.7429
36	252.202	449.762	44468.1	31816.2	35.5831
37	255.18	453.415	38781	26464.7	34.3102
38	258.159	457.067	33703.1	21795.4	32.8903
39	261.138	460.72	29231.2	17785.6	31.3182
40	264.116	464.373	25362	14401.6	29.5897
41	267.095	468.026	21355.8	11212.3	27.7005
42	270.074	471.679	16623.6	7982.08	25.6487
43	273.052	475.332	12437.9	5391.09	23.4339
44	276.136	478.416	9236.16	3540.21	20.9718
45	279.219	481.499	6316.47	2094.29	18.3435
46	282.303	484.583	3862.59	1075.49	15.5592
47	285.386	487.666	1911.29	428.426	12.6343
48	288.47	490.75	507.206	85.6871	9.58898
49	291.553	493.833	-296.31	-33.4887	6.44816
50	294.637	496.917	-436.249	-24.7036	3.24104
51	297.72	500	0	0	0

Curved - Block Pseudostatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.17267

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	139.412	405	780	0	0
2	143.163	401.249	19659.5	0	0
3	146.914	397.497	42818.2	0	0
4	150.666	393.746	69476.2	0	0
5	151.013	393.767	69792.2	0	0
6	154.362	393.966	71506.8	0	0
7	157.71	394.166	73228.4	0	0
8	161.059	394.365	74957	0	0
9	164.407	394.565	76692.6	0	0
10	167.755	394.764	78435.2	0	0
11	171.104	394.964	80780.3	0	0
12	174.452	395.163	80220	0	0
13	177.801	395.363	79666.6	0	0
14	181.149	395.562	79119.6	0	0
15	184.497	395.762	78317.9	0	0
16	187.846	395.961	77166	0	0
17	191.194	396.161	75973.5	0	0
18	194.543	396.36	108887	0	0
19	197.891	396.56	107610	0	0
20	201.24	396.76	106283	0	0
21	204.422	399.499	118261	0	0
22	207.604	402.238	103061	0	0
23	210.786	404.977	115681	0	0
24	213.968	407.716	101124	0	0
25	217.15	410.455	114386	0	0
26	220.332	413.194	127971	0	0
27	223.514	415.933	114379	0	0
28	226.6	418.59	128988	0	0
29	229.687	421.247	116378	0	0
30	232.774	423.904	104046	0	0
31	235.86	426.561	91992.2	0	0
32	238.947	429.217	80217.2	0	0
33	242.034	431.874	68720.7	0	0
34	245.12	434.531	57502.8	0	0
35	248.607	438.513	42239	0	0
36	252.094	442.494	27763.6	0	0
37	255.581	446.475	14244.9	0	0
38	259.068	450.456	2108.04	0	0
39	262.555	454.438	-8626.19	0	0
40	266.042	458.419	-17999.9	0	0
41	269.529	462.4	-29452	0	0
42	273.015	466.381	-39501.4	0	0
43	276.502	470.362	-48170.1	0	0
44	279.989	474.344	-55592.8	0	0
45	283.476	478.325	-61612.9	0	0
46	286.963	482.306	-66230.4	0	0
47	290.502	485.845	-69242.4	0	0
48	294.041	489.384	-71110.6	0	0
49	297.579	492.922	-71834.9	0	0
50	301.118	496.461	-71415.3	0	0
51	304.657	500	0	0	0

Query 1 (bishop simplified) - Safety Factor: 1.17267

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	139.412	405	780	0	0
2	143.163	401.249	19659.5	0	0
3	146.914	397.497	42818.2	0	0
4	150.666	393.746	69476.2	0	0
5	151.013	393.767	69792.2	0	0
6	154.362	393.966	71506.8	0	0
7	157.71	394.166	73228.4	0	0
8	161.059	394.365	74957	0	0
9	164.407	394.565	76692.6	0	0
10	167.755	394.764	78435.2	0	0
11	171.104	394.964	80780.3	0	0
12	174.452	395.163	80220	0	0
13	177.801	395.363	79666.6	0	0
14	181.149	395.562	79119.6	0	0
15	184.497	395.762	78317.9	0	0
16	187.846	395.961	77166	0	0
17	191.194	396.161	75973.5	0	0
18	194.543	396.36	108887	0	0
19	197.891	396.56	107610	0	0
20	201.24	396.76	106283	0	0
21	204.422	399.499	118261	0	0
22	207.604	402.238	103061	0	0
23	210.786	404.977	115681	0	0
24	213.968	407.716	101124	0	0
25	217.15	410.455	114386	0	0
26	220.332	413.194	127971	0	0
27	223.514	415.933	114379	0	0
28	226.6	418.59	128988	0	0
29	229.687	421.247	116378	0	0
30	232.774	423.904	104046	0	0
31	235.86	426.561	91992.2	0	0
32	238.947	429.217	80217.2	0	0
33	242.034	431.874	68720.7	0	0
34	245.12	434.531	57502.8	0	0
35	248.607	438.513	42239	0	0
36	252.094	442.494	27763.6	0	0
37	255.581	446.475	14244.9	0	0
38	259.068	450.456	2108.04	0	0
39	262.555	454.438	-8626.19	0	0
40	266.042	458.419	-17999.9	0	0
41	269.529	462.4	-29452	0	0
42	273.015	466.381	-39501.4	0	0
43	276.502	470.362	-48170.1	0	0
44	279.989	474.344	-55592.8	0	0
45	283.476	478.325	-61612.9	0	0
46	286.963	482.306	-66230.4	0	0
47	290.502	485.845	-69242.4	0	0
48	294.041	489.384	-71110.6	0	0
49	297.579	492.922	-71834.9	0	0
50	301.118	496.461	-71415.3	0	0
51	304.657	500	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.01729

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	139.412	405	780	0	0
2	143.163	401.249	23554.6	0	0
3	146.914	397.497	51264.7	0	0
4	150.666	393.746	83130.3	0	0
5	151.013	393.767	83526.2	0	0
6	154.362	393.966	85812.4	0	0
7	157.71	394.166	88101.9	0	0
8	161.059	394.365	90394.5	0	0
9	164.407	394.565	92690.4	0	0
10	167.755	394.764	94989.4	0	0
11	171.104	394.964	98636	0	0
12	174.452	395.163	99037.9	0	0
13	177.801	395.363	99442.9	0	0
14	181.149	395.562	99850.8	0	0
15	184.497	395.762	100143	0	0
16	187.846	395.961	100277	0	0
17	191.194	396.161	100392	0	0
18	194.543	396.36	135151	0	0
19	197.891	396.56	135228	0	0
20	201.24	396.76	135282	0	0
21	204.422	399.499	149559	0	0
22	207.604	402.238	135996	0	0
23	210.786	404.977	150862	0	0
24	213.968	407.716	137886	0	0
25	217.15	410.455	153341	0	0
26	220.332	413.194	169090	0	0
27	223.514	415.933	157000	0	0
28	226.6	418.59	173677	0	0
29	229.687	421.247	162475	0	0
30	232.774	423.904	151527	0	0
31	235.86	426.561	140835	0	0
32	238.947	429.217	130398	0	0
33	242.034	431.874	120216	0	0
34	245.12	434.531	110290	0	0
35	248.607	438.513	96612.7	0	0
36	252.094	442.494	83664.8	0	0
37	255.581	446.475	71601.7	0	0
38	259.068	450.456	60816.5	0	0
39	262.555	454.438	51328.3	0	0
40	266.042	458.419	43098.4	0	0
41	269.529	462.4	32946.5	0	0
42	273.015	466.381	24091.6	0	0
43	276.502	470.362	16514.8	0	0
44	279.989	474.344	10097.7	0	0
45	283.476	478.325	4977.82	0	0
46	286.963	482.306	1155.01	0	0
47	290.502	485.845	-1191.49	0	0
48	294.041	489.384	-2483.93	0	0
49	297.579	492.922	-2722.31	0	0
50	301.118	496.461	-1906.62	0	0
51	304.657	500	0	0	0

Query 1 (janbu simplified) - Safety Factor: 1.01729

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	139.412	405	780	0	0
2	143.163	401.249	23554.6	0	0
3	146.914	397.497	51264.7	0	0
4	150.666	393.746	83130.3	0	0
5	151.013	393.767	83526.2	0	0
6	154.362	393.966	85812.4	0	0
7	157.71	394.166	88101.9	0	0
8	161.059	394.365	90394.5	0	0
9	164.407	394.565	92690.4	0	0
10	167.755	394.764	94989.4	0	0
11	171.104	394.964	98636	0	0
12	174.452	395.163	99037.9	0	0
13	177.801	395.363	99442.9	0	0
14	181.149	395.562	99850.8	0	0
15	184.497	395.762	100143	0	0
16	187.846	395.961	100277	0	0
17	191.194	396.161	100392	0	0
18	194.543	396.36	135151	0	0
19	197.891	396.56	135228	0	0
20	201.24	396.76	135282	0	0
21	204.422	399.499	149559	0	0
22	207.604	402.238	135996	0	0
23	210.786	404.977	150862	0	0
24	213.968	407.716	137886	0	0
25	217.15	410.455	153341	0	0
26	220.332	413.194	169090	0	0
27	223.514	415.933	157000	0	0
28	226.6	418.59	173677	0	0
29	229.687	421.247	162475	0	0
30	232.774	423.904	151527	0	0
31	235.86	426.561	140835	0	0
32	238.947	429.217	130398	0	0
33	242.034	431.874	120216	0	0
34	245.12	434.531	110290	0	0
35	248.607	438.513	96612.7	0	0
36	252.094	442.494	83664.8	0	0
37	255.581	446.475	71601.7	0	0
38	259.068	450.456	60816.5	0	0
39	262.555	454.438	51328.3	0	0
40	266.042	458.419	43098.4	0	0
41	269.529	462.4	32946.5	0	0
42	273.015	466.381	24091.6	0	0
43	276.502	470.362	16514.8	0	0
44	279.989	474.344	10097.7	0	0
45	283.476	478.325	4977.82	0	0
46	286.963	482.306	1155.01	0	0
47	290.502	485.845	-1191.49	0	0
48	294.041	489.384	-2483.93	0	0
49	297.579	492.922	-2722.31	0	0
50	301.118	496.461	-1906.62	0	0
51	304.657	500	0	0	0

Global Minimum Query (gle/morgenstern-price) - Safety Factor: 1.46137

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	148.865	405	780	0	0
2	151.958	401.907	14917.7	1130.49	4.33369
3	155.051	398.814	38700.9	5853.52	8.60081
4	158.065	395.8	76805.2	17219.1	12.6363
5	161.208	397.406	74835.7	22400.3	16.6638
6	164.352	399.011	73221.1	27325.1	20.4649
7	167.495	400.617	71951.9	32051.6	24.011
8	170.639	402.223	66159.4	34127.4	27.2863
9	173.782	403.829	87400	51043.3	30.2858
10	176.925	405.435	81846.9	53177.4	33.0125
11	180.069	407.041	76709.4	54667.2	35.4757
12	183.212	408.647	97993.4	75705.3	37.6881
13	186.356	410.253	90519.4	75056.1	39.6646
14	189.499	411.859	109066	96224.9	41.4208
15	192.45	413.367	102270	94977.9	42.8828
16	195.402	414.875	95652.4	92940.3	44.1761
17	198.353	416.382	114514	115768	45.312
18	201.305	417.89	108035	113055	46.3007
19	204.256	419.398	126779	136676	47.1514
20	207.208	420.906	120442	133162	47.8714
21	210.159	422.414	114223	128959	48.4677
22	213.111	423.922	132969	152671	48.9457
23	216.119	424.624	129697	150872	49.316
24	219.127	425.326	126285	148238	49.5721
25	222.136	426.028	122739	144811	49.716
26	225.144	426.73	119060	140638	49.7497
27	228.152	427.433	115255	135773	49.6727
28	231.16	428.135	111328	130279	49.4849
29	234.168	428.837	107284	124221	49.1843
30	237.176	429.539	103128	117670	48.7681
31	240.185	430.241	98868	110702	48.2319
32	243.193	430.943	94508.8	103395	47.5709
33	246.201	431.645	90057.4	95828.7	46.7783
34	249.097	435.564	80967.4	83505.1	45.884
35	251.994	439.483	72393.6	72022.5	44.8528
36	254.89	443.402	64324	61417.4	43.6758
37	257.786	447.32	56932.3	51882.6	42.343
38	260.682	451.239	50213.9	43410.1	40.8435
39	263.579	455.158	44167	35977.5	39.1655
40	266.475	459.077	38420.4	29265.3	37.297
41	269.371	462.995	31347.3	22134.2	35.2258
42	272.268	466.914	24888.9	16126.2	32.9403
43	275.164	470.833	19075.4	11205.3	30.4309
44	278.06	474.752	13843.7	7265.08	27.6902
45	280.956	478.671	9293.13	4277.32	24.715
46	283.853	482.589	5534.26	2180.94	21.5084
47	286.749	486.508	2647.98	864.486	18.0803
48	290.122	489.881	614.035	151.213	13.8345
49	293.495	493.254	-510.305	-84.1226	9.36089
50	296.868	496.627	-616.758	-50.9604	4.72341
51	300.241	500	0	0	0

Query 1 (gle/morgenstern-price) - Safety Factor: 1.48998

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	N/A	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A

Entity Information

Curved

Shared Entities

Type	Coordinates (x,y)
External Boundary	0, 428 0, 414 0, 413.654 0, 330 100, 330 115, 330 316, 330 316, 500 266, 500 266, 490 253, 490 195, 461 183, 456 183, 439 168, 439 168, 413.426 168, 405 160, 405 75, 405 75, 428 53, 428 50, 428 50, 427
Material Boundary	0, 414 16.358, 413.654 40.287, 418.439 53, 428
Material Boundary	100, 330 160, 405
Material Boundary	168, 413.426 168.551, 413.97 189.424, 444.783 195, 461

Scenario-based Entities

Type	Coordinates (x,y)	Master Scenario	Curved Static	Curved Pstatic	Block Static	Block Pseudostatic
Water Table	0, 410 173, 410 316, 425	Assigned to: Puente Formation Puente 2 Alluvium	Assigned to: Puente Formation Puente 2 Alluvium	✗	✗	✗

Distributed Load	316, 500 276.076, 500	Constant DistributionOrientation: Normal to boundaryMagnitude: 100 lbs/ft2Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundaryMagnitude: 100 lbs/ft2Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundaryMagnitude: 100 lbs/ft2Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundaryMagnitude: 100 lbs/ft2Creates Excess Pore Pressure: No	Constant DistributionOrientation: Normal to boundaryMagnitude: 100 lbs/ft2Creates Excess Pore Pressure: No
Water Table	0, 410 173, 410 214, 415 316, 425			Assigned to: Puente Formation Puente 2 Alluvium	Not assigned to any materials	Not assigned to any materials
Distributed Load	75, 418.042 75, 405 160, 405 168, 405 168, 413.426 168, 415.811			Constant DistributionOrientation: VerticalMagnitude: 1100 lbs/ft2Creates Excess Pore Pressure: No		
Block Search Window	193.2, 341.629 229.394, 340.753 226.475, 466.848 187.619, 454.12					
Block Search Window	236.399, 340.17 253.912, 340.462 256.247, 481.734 236.983, 473.561					
Block Search Window	259.458, 339.586 293.609, 339.586 297.403, 491.366 260.626, 482.61					

Block Search Window	134.797, 341.523 175.395, 340.753 171.309, 399.131 127.818, 400.59					
Distributed Load	75, 415.804 75, 405 160, 405 168, 405 168, 412.252					Constant DistributionOrientation: VerticalMagnitude: 1100 lbs/ft2Creates Excess Pore Pressure: No

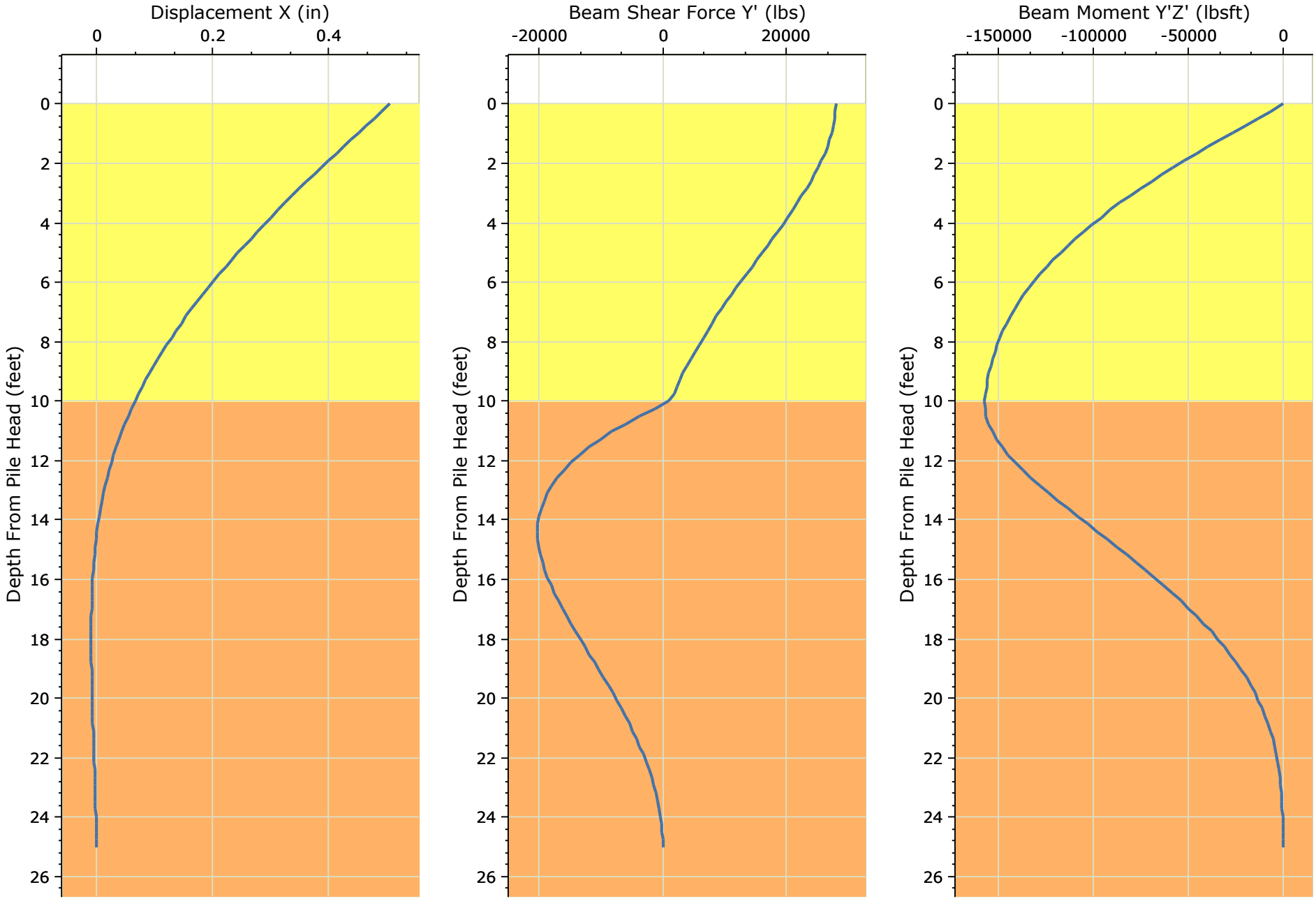
Appendix E
RSPile Printouts

RSPile Analysis Information

File No. 20489 Aragon Sunset

Project Summary

Document Name	20489 Free Head 24 inch.rspile2
Project Title	File No. 20489 Aragon Sunset
Analysis	24 inch Diam. Pile, 0.5 inch deflection
Author	RTK
Company	Geotechnologies, Inc.
Date Created	9/5/2023, 7:08:17 PM
Last saved with RSPile version	3.005



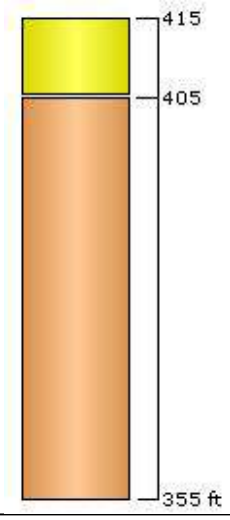
Geotechnologies, Inc.
Consulting Geotechnical Engineers

Project	File No. 20489 Aragon Sunset
Analysis Description	24 inch Diam. Pile, 0.5 inch deflection
Reinforcement:	*Comment* Geotechnologies, Inc.
Criteria:	*File Name* 20489 Free Head 24 inch.rspile2

RSPILE 3.005

Soil Layers

Layer Name	Color	Layer Type	Thickness [ft]	Depth [ft]
Alluvium		Silt (Cemented C - Phi Coil)	10	-415
Bedrock Siltstone and Sandstone		Silt (Cemented C - Phi Coil)	50	-405



Soil Properties

Alluvium

Property	Value
Name	Alluvium
Color	
Soil Type	Silt (Cemented C - Phi Coil)
Unit Weight (lbs/ft3)	120
Sat. Unit Weight (lbs/ft3)	130

Bedrock Siltstone and Sandstone

Property	Value
Name	Bedrock Siltstone and Sandstone
Color	
Soil Type	Silt (Cemented C - Phi Coil)
Unit Weight (lbs/ft3)	125
Sat. Unit Weight (lbs/ft3)	135

Pile Properties

Pile Property 1

Property	Value
Name	Pile Property 1
Color	
Pile Type	Elastic
Pile Cross Section	Circular
Diameter (ft)	2
Young's Modulus (psf)	5.2e+08

Pile Settings

Pile 1

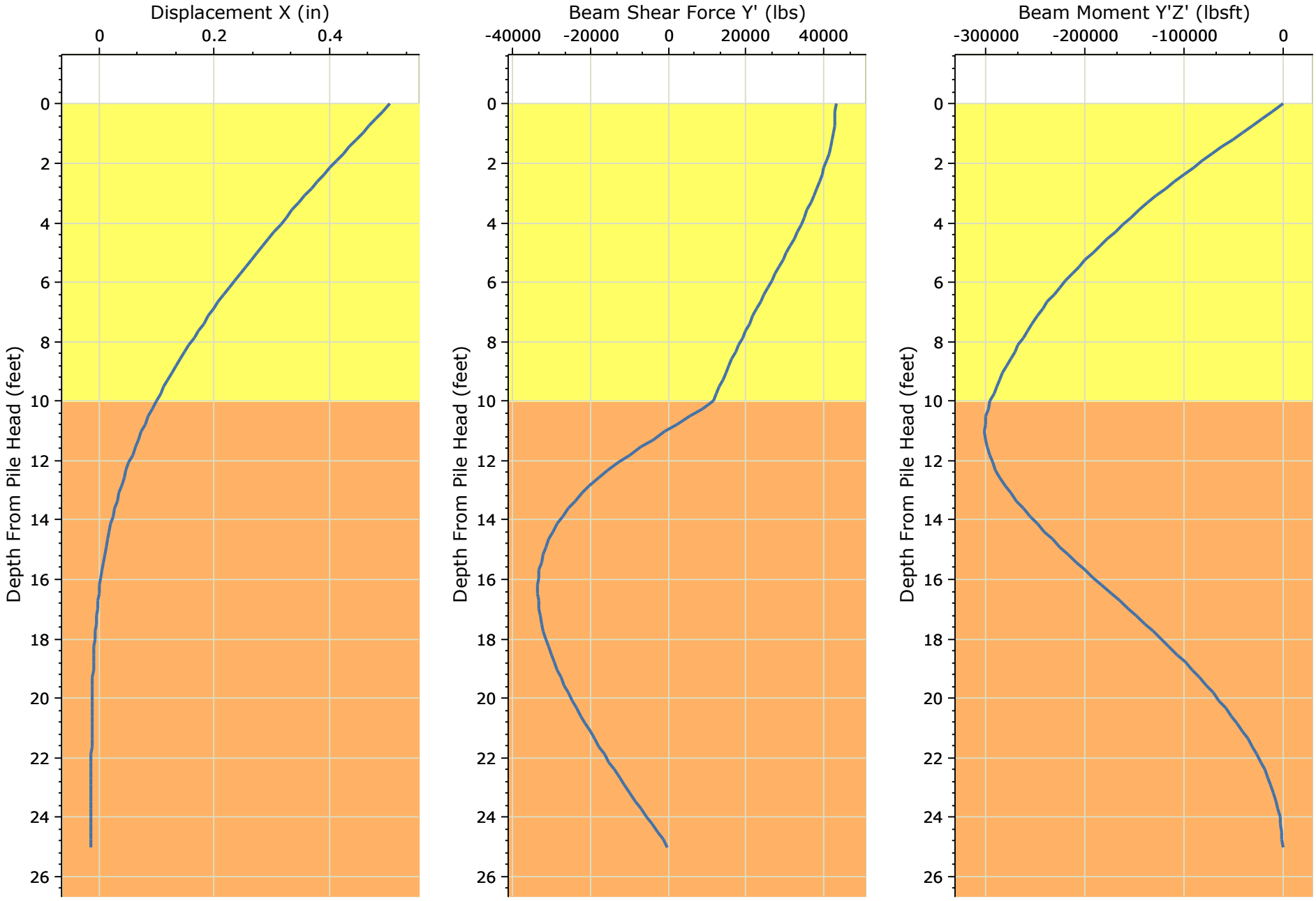
General		
Property		Pile Property 1
Location		0, 0
Elevation (ft)		415
Length (ft)		25
Orientation		
Ground Slope Angle (°)		0
Alpha Angle (°)		0
Beta Angle (°)		90
Rotation Angle (°)		0
Loading		
Loading Type		Static
Load Factor Profile		None
Type	Value	Depth
Deflection X, (ft)	0.042	0

RSPile Analysis Information

File No. 20489 Aragon Sunset

Project Summary

Document Name	20489 Free Head 30 inch.rspile2
Project Title	File No. 20489 Aragon Sunset
Analysis	30 inch Diam. Pile, 0.5 inch deflection, Free Head
Author	RTK
Company	Geotechnologies, Inc.
Date Created	9/5/2023, 7:08:17 PM
Last saved with RSPile version	3.005



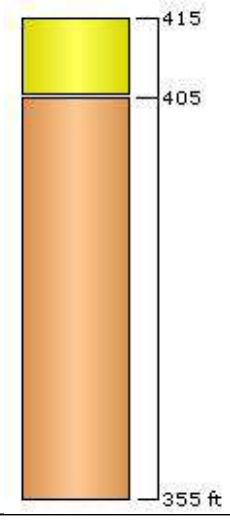
Geotechnologies, Inc.
Consulting Geotechnical Engineers

Project	File No. 20489 Aragon Sunset
Analysis Description	30 inch Diam. Pile, 0.5 inch deflection, Free Head
Reinforcement:	*Comment* Geotechnologies, Inc.
Criteria:	*File Name* 20489 Free Head 30 inch.rspile2

RSPILE 3.005

Soil Layers

Layer Name	Color	Layer Type	Thickness [ft]	Depth [ft]
Alluvium		Silt (Cemented C - Phi Coil)	10	-415
Bedrock Siltstone and Sandstone		Silt (Cemented C - Phi Coil)	50	-405



Soil Properties

Alluvium

Property	Value
Name	Alluvium
Color	
Soil Type	Silt (Cemented C - Phi Coil)
Unit Weight (lbs/ft3)	120
Sat. Unit Weight (lbs/ft3)	130

Bedrock Siltstone and Sandstone

Property	Value
Name	Bedrock Siltstone and Sandstone
Color	
Soil Type	Silt (Cemented C - Phi Coil)
Unit Weight (lbs/ft3)	125
Sat. Unit Weight (lbs/ft3)	135

Pile Properties

Pile Property 1

Property	Value
Name	Pile Property 1
Color	
Pile Type	Elastic
Pile Cross Section	Circular
Diameter (ft)	2.5
Young's Modulus (psf)	5.2e+08

Pile Settings

Pile 1

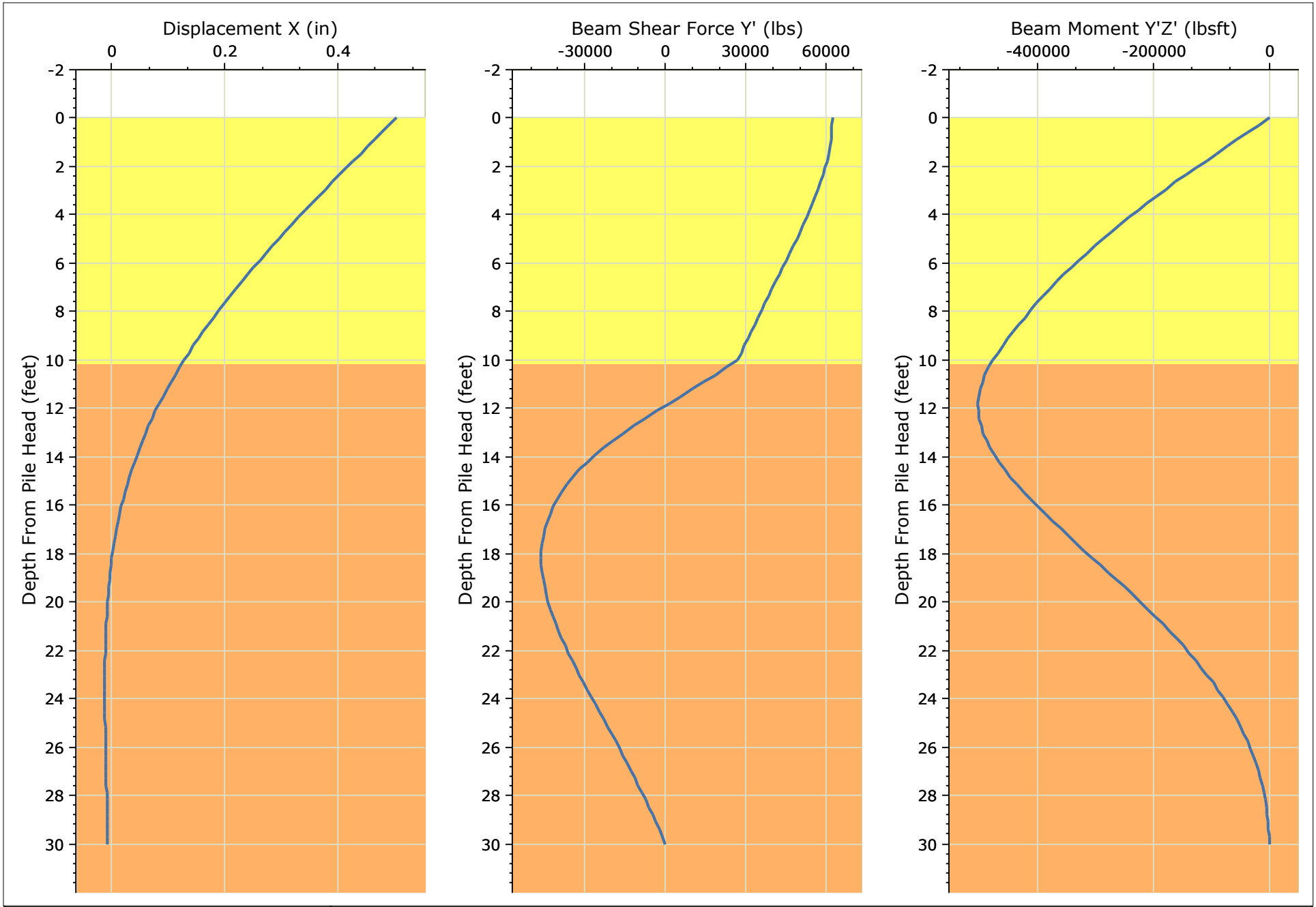
General		
Property		Pile Property 1
Location		0, 0
Elevation (ft)		415
Length (ft)		25
Orientation		
Ground Slope Angle (°)		0
Alpha Angle (°)		0
Beta Angle (°)		90
Rotation Angle (°)		0
Loading		
Loading Type		Static
Load Factor Profile		None
Type	Value	Depth
Deflection X, (ft)	0.042	0

RSPile Analysis Information

File No. 20489 Aragon Sunset

Project Summary

Document Name	20489 Free Head 36 inch.rspile2
Project Title	File No. 20489 Aragon Sunset
Analysis	36 inch Diam. Pile, 0.5 inch deflection, Free Head
Author	RTK
Company	Geotechnologies, Inc.
Date Created	9/5/2023, 7:08:17 PM
Last saved with RSPile version	3.005



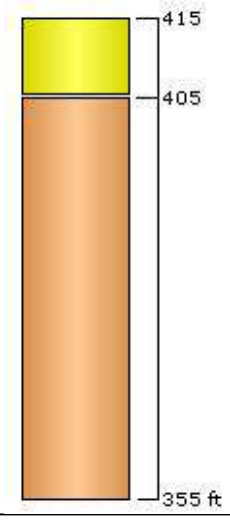
Geotechnologies, Inc.
Consulting Geotechnical Engineers

Project	File No. 20489 Aragon Sunset		
Analysis Description	36 inch Diam. Pile, 0.5 inch deflection, Free Head		
Reinforcement:		*Comment*	Geotechnologies, Inc.
Criteria:		*File Name*	20489 Free Head 36 inch.rspile2

RSPILE 3.005

Soil Layers

Layer Name	Color	Layer Type	Thickness [ft]	Depth [ft]
Alluvium		Silt (Cemented C - Phi Coil)	10	-415
Bedrock Siltstone and Sandstone		Silt (Cemented C - Phi Coil)	50	-405



Soil Properties

Alluvium

Property	Value
Name	Alluvium
Color	
Soil Type	Silt (Cemented C - Phi Coil)
Unit Weight (lbs/ft3)	120
Sat. Unit Weight (lbs/ft3)	130

Bedrock Siltstone and Sandstone

Property	Value
Name	Bedrock Siltstone and Sandstone
Color	
Soil Type	Silt (Cemented C - Phi Coil)
Unit Weight (lbs/ft3)	125
Sat. Unit Weight (lbs/ft3)	135

Pile Properties

Pile Property 1

Property	Value
Name	Pile Property 1
Color	
Pile Type	Elastic
Pile Cross Section	Circular
Diameter (ft)	3
Young's Modulus (psf)	5.2e+08

Pile Settings

Pile 1

General		
Property		Pile Property 1
Location		0, 0
Elevation (ft)		415
Length (ft)		30
Orientation		
Ground Slope Angle (°)		0
Alpha Angle (°)		0
Beta Angle (°)		90
Rotation Angle (°)		0
Loading		
Loading Type		Static
Load Factor Profile		None
Type	Value	Depth
Deflection X, (ft)	0.042	0

Appendix F

Desktop Fault Evaluation
by Lettis Consultants International, Inc.

Report dated May 02, 2017

DESKTOP FAULT EVALUATION
1185 Sunset Boulevard, Los Angeles, CA

Prepared for:

Geotechnologies, Inc.
439 Western Ave.
Glendale, CA 91201

Prepared by:

Lettis Consultants International, Inc. (LCI)
27441 Tourney Road, Suite 220
Valencia, CA 91355

May 2, 2017

LCI
Lettis Consultants International, Inc.

LCI
EARTH SCIENCE CONSULTANTS

Lettis Consultants International, Inc.
27441 Tourney Road, Suite 220
Valencia, CA 91355
(661) 287-9900; fax (661) 287-9990

May 2, 2017

Reinard Knur, G.E., C.E.G.
Geotechnologies, Inc.
439 Western Ave.
Glendale, CA 91201

Subject: **Desktop Fault Evaluation**
1185 Sunset Boulevard, Los Angeles, California
LCI Project No. 1206

Dear Mr. Knur:

Lettis Consultants International, Inc. (LCI) is pleased to present the results of a desktop fault evaluation for the subject property located at 1185 Sunset Boulevard, located with the City of Los Angeles, California. This report includes the data, interpretation, and conclusions regarding the age and activity of the unnamed fault located west of the project site as mapped by Lamar (1970).

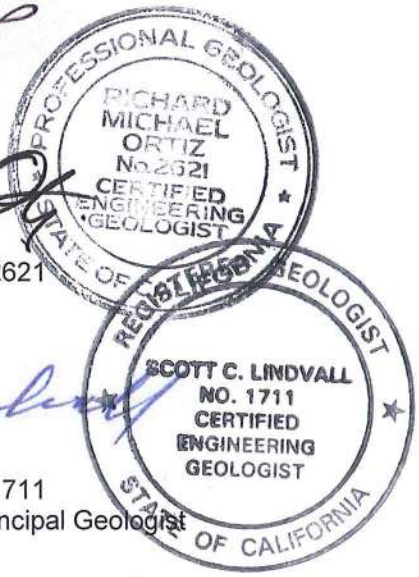
In addition to the evaluation of published geologic data for the region surrounding the subject property, we also performed a site visit and evaluated and interpreted structural geologic data collected at the project site by Geotechnologies, Inc. We appreciate the opportunity to submit this report. Should you have any questions, please do not hesitate to contact us.

Sincerely,
Lettis Consultants International, Inc.

Christopher D. Kemp
Project Geologist

Richard M. Ortiz, C.E.G. 2621
Senior Geologist

Scott C. Lindvall, C.E.G. 1711
Vice President, Senior Principal Geologist



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3.0 GEOMORPHIC ASSESSMENT 6
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1.0 INTRODUCTION

The purpose of this study was to better characterize an unnamed fault of Lamar (1970) mapped directly west of the subject property located at 1185 Sunset Boulevard, Los Angeles, California. (Figure 1). Specifically, LCI was requested to research the origin of the fault, characterize the most-recent movement on the fault given available data, and help address whether or not the fault projects through the subject property. Public comments on the EIR for the proposed development of subject property have raised concerns regarding the fault mapped by Lamar (1970). The fault is not zoned as an active fault by the City of Los Angeles or the State of California.

The LCI scope of work included:

- Review of published maps and literature related to faulting,
- Review of geotechnical reports prepared for the site (Geotechnologies, Inc., 2014a, 2014b),
- A geomorphic assessment to identify features in the landscape suggestive of the presence or absence of faulting,
- A site visit to observe bedrock exposures,
- Review of Geotechnologies' data from recent explorations and site work that included boreholes, test pits, trenches, mapping, and geologic cross-sections, and
- Preparation of this report.

2.0 SUMMARY OF GEOLOGIC LITERATURE

The southern portion of the Lamar (1970) fault was initially recognized by the petroleum industry in the late 19th century and was depicted as an unnamed fault on a number of early maps based on data from the Los Angeles City oil field. The fault was named the Sisters Hospital fault by Crowder (1961), but this naming convention was not utilized by later authors on maps published after 1961. In the earliest stages of the Los Angeles City oil field development, drilling progressed eastward from the initial discovery until an oil-barren section near Sisters Hospital (Figure 2a and Figure 2b) was encountered and this barrier was interpreted to represent a subsurface fault (Crowder, 1961). This fault has been included in several maps since its identification at the turn of the 19th to 20th centuries. Conversely, some geologic maps do not include the fault. Provided below is a summary of geologic maps and studies that cover the vicinity of the fault:

Eldridge and Arnold (1907). This early study of the Los Angeles City oil field appears to be the first mapping study to include the fault. Only a short section of the fault was mapped and its orientation is a more westerly strike than shown in later studies (Figure 3). Eldridge and Arnold

(1907) appear to show the fault running nearby but not encroaching on the subject property, however, the mapping scale is not appropriate to confidently determine the exact location of the fault with respect to the site boundary.

Soper and Grant (1932). This geologic study of the Los Angeles area provides a brief description of the Los Angeles City oil field. Citing Eldridge and Arnold (1907), they note that the oil field is offset, possibly by "a north-south fault of small throw, but the existence of such a fault has not been positively determined because the rock exposures at this locality are not very good." Their mapping was centered on the Downtown District of Los Angeles and does not extend as far north as the subject property. However, the mapping of Soper and Grant (1932) shows the fault oriented north-northwest along the base of the hill at Sisters Hospital (Figure 4), which was located east of the subject property along Sunset Boulevard between White Knoll Drive and North Beaudry Avenue (the current site of the Elysian Apartments and the former Holy Hill church). The fault terminates to the south at the intersection of Beaudry Avenue and Sunset Boulevard (Figure 4). Soper and Grant (1932) also map a conspicuous 20- to 50-ft-thick bed of east-west-oriented white to very light gray diatomite within the Puente Formation approximately one mile east of the subject property, which represents the uppermost part of the Miocene age section. This marker bed is unfaulted and was easily mapped across the area in a nearly straight line of aligned outcrops (Soper and Grant, 1932) (Figure 4) indicating that the fault does not extend that far to the south.

Soper (1943). This study of the Los Angeles oil field depicts the fault extending north-northwest along Sunset Boulevard from a few hundred feet south of Sisters Hospital to about the intersection of Sunset Boulevard and Marion Street. North of the site, Soper (1943) depicts a separate, short, east-northeast-striking fault that offsets the Tmss-Tmsh contact, which is the Tpss-Tpsl contact that Lamar (1970) shows to be offset by the subject fault. A mile south of the site, Soper (1943) depicts an unfaulted east-west trending diatomite marker bed at the top of the Miocene section (Figure 5), which corresponds to the diatomite mapped by Soper and Grant (1932). The fault is mapped by Soper (1943) in close proximity to the site, however the scale of Soper's (1943) map is not appropriate to confidently determine the exact location of the fault with respect to the site boundary.

Crowder (1961). As part of a summary of the Los Angeles City oil field, mapping by Crowder (1961) depicts the longest length of the fault to that point and with a similar orientation to that of Lamar (1970) and applies the name "Sisters Hospital fault" to the structure (Figure 2a). Note that Crowder (1961) is the only author to name the fault. The brief description of the fault by Crowder (1961) notes that the Sisters Hospital fault is a west-dipping normal fault with about 50 ft of displacement. The fault is also shown on a cross-section that spans the east-west length of the Los Angeles City oil field (Figure 2b). The fault is mapped in close proximity to the site, however the scale of Crowder's (1961) map is not appropriate to confidently determine the exact location of the fault with respect to the site boundary.

Lamar (1970). Mapping by Lamar (1970) appears to be based primarily on Crowder (1961), however, Soper (1943), Soper and Grant (1932), and Eldridge and Arnold (1907) are also referenced by Lamar. The fault is not specifically described by Lamar (1970). As shown by Lamar (1970) the fault is queried along its entire mapped length of nearly 2 km, which is more than twice the length of Crowder (1961) or any other previous mappers. The fault is shown offsetting a queried contact between the siltstone and sandstone members of the Miocene Puente Formation (Tpsl and Tpss) approximately 0.5 mi northwest of the project site (Lamar, 1970) (Figure 1). Lamar (1970) also maps the unfaulted diatomite (Tpds) at the top of the Miocene section south of the project site (Figure 1).

Several geologic maps that post-date Lamar (1970) include the unnamed fault with traces that are nearly identical to that of Lamar (1970). These maps include Yerkes et al. (1977) (Figure 6), Yerkes (1997) (Figure 7), and Bedrossian et al. (2012) (Figure 8).

Some geologic maps of the Los Angeles quadrangle that post-date Lamar (1970), however do not include the fault in question. Maps by Weber (1980) and Dibblee and Ehrenspeck (1989 and 1991) do not include the fault of Lamar (1970). Dibblee and Ehrenspeck (1989 and 1991) cite Lamar (1970) as a mapping reference yet does not include the fault suggesting that Dibblee and Ehrenspeck (1989 and 1991) found insufficient evidence to include the fault on his maps (Figure 9). Neither the Lamar (1970) fault nor the associated Elysian Park fault mapped to the northeast by Lamar (1970) are included in the U.S. Geological Survey Quaternary Fault and Fold Database, and are not zoned as an active fault by the City of Los Angeles or the State of California.

Despite its inclusion in the previous maps described above, the Lamar (1970) fault is poorly documented, has not been subject to any detailed studies, and its existence cannot be established on the basis of geologic exposures (Lamar, 1970). However, Lamar (1970) states that activity of the Elysian Park fault and other northwest-striking faults to the south (Figure 1) are pre-Pliocene in age. Map relationships support a pre-Pliocene age for the fault. The northern end of the fault is shown displacing a queried northwest-striking contact between the Upper Miocene Puente Formation sandstone (Tpss) and siltstone (Tpsl). The apparent right-lateral displacement of the contact is approximately 130 m. South of the project site, the fault is queried and dies out within the Puente siltstone member (Tpsl). This decrease in slip up-section is supported by (1) the apparent horizontal displacement of only about 30 m of the 700-ft structure contour mapped by Crowder (1961) (Figure 2a), and (2) the lack of offset of the Upper Miocene Puente Formation diatomaceous shale (Tpds). The presence of this thin unfaulted marker bed precludes the fault from continuing much farther south from its mapped southern terminus (Figure 1, Figure 4, Figure 5, Figure 7).

Apparent vertical displacement of the fault appears to be the secondary component of slip based on 15 m of maximum vertical separation in a cross-section by Crowder (1961) (Figure 2b).

Similar to the lack of horizontal displacement demonstrated by the continuous diatomaceous shale (Tpds) unit, the Quaternary terrace (Qt) deposits mapped by Lamar (1970) lack evidence of vertical displacement. Northeast of 2nd Street, the base of the deposit remnants lies vertically within about 15 ft of the 400 ft contour on the 1929 Los Angeles topographic map, and does not exhibit any abrupt steps or departures from a generally horizontal orientation (Figure 1 and Figure 10). To the southwest of 2nd Street, a second and lower terrace deposit is evident from the 1929 topography based on a lower terrace surface. The two terrace deposits appear to have been simplified as a single deposit by Lamar (1970). Similarly, the base of this lower deposit is oriented horizontal and lies vertically within 15 ft of the 375 ft contour in the 1929 topographic map (Figure 1 and Figure 10).

3.0 GEOMORPHIC ASSESSMENT

We completed a geomorphic assessment of the region surrounding the project site based on the review of historical aerial photographs and historical topographic maps from 1927 to 1941. Table 1 lists the air photo frames we reviewed as part of this study.

There is no expression of the fault in the reviewed historical aerial photographs, although concealment by development prevents a detailed topographic analysis from aerial photos. The Lamar (1970) fault, as mapped, is located within a small arroyo, which corresponds to Sunset Boulevard. However, the fault trends oblique and across the ridge forming the western margin of the arroyo, which suggests the location and formation of the arroyo was not controlled by the presence of the fault, indicating a lack of a structural relationship between the fault and the arroyo (Figure 10).

Table 1. Historical aerial photographs reviewed for this study.

Flight	Frame Number	Year	Scale	Source
C-113	266	1927	1:18,000	Fairchild Collection (UCSB)
C-113	267	1927	1:18,000	Fairchild Collection (UCSB)
C-113	268	1927	1:18,000	Fairchild Collection (UCSB)
C-300	K-188	1928	1:18,000	Fairchild Collection (UCSB)
C-300	K-189	1928	1:18,000	Fairchild Collection (UCSB)
C-5040b	1	1938	1:12,420	Fairchild Collection (UCSB)
C-5040b	2	1938	1:12,420	Fairchild Collection (UCSB)
C-5040b	3	1938	1:12,420	Fairchild Collection (UCSB)
C-7334	107	1941	1:4,500	Fairchild Collection (UCSB)
N/A	E-1935	1928	Oblique – no scale	Spence Collection (UCLA)

4.0 SITE VISIT

On October 14, 2016, Scott Lindvall of LCI met Reinard Knur of Geotechnologies, Inc. at the site to observe bedrock exposures in the cut slopes and in hand-dug test pits behind the existing buildings. Brush had been cleared from the steep slope behind the buildings and 14 test

pits (test pits 8-11 and 13-22) had been excavated by hand into the steep slope to expose well-bedded siltstone of the Puente Formation. Where the slopes were not covered by a colluvial apron, continuous bedding was exposed. Interbeds of sandstone provide key marker horizons that can be mapped across portions of the slope and between test pits (Figure 11).

Observations made during the site visit include:

- Bedding attitudes measured in the test pit exposures (test pits 8-11 and 13-22) consistently strike easterly and dip moderately to the south. The exceptions to this regional bedding attitude is found in test pits 8, 18, and 19 near the shotcrete-covered section of the slope (Figure 11).

- The anomalous bedding attitudes confirm the presence of a small syncline mapped by Lamar (1970). From north to south along the cut slope, attitudes gradually change from a southerly dip to a northeast dip along continuous, unfaulted marker beds.

- Continuous bedrock exposures and several marker beds can be traced across the large, west-facing cut slope (paralleling Sunset Boulevard) and preclude the presence of any faults in the steep slope with the exception of the shotcrete-covered section.

5.0 EVALUATION OF GEOTECHNOLOGIES STRUCTURAL DATA

In addition to reviewing a majority of bedrock and test pit exposures at the site, LCI also reviewed draft maps, sections, logs, and field photos documenting the onsite structural information compiled by Geotechnologies, Inc. at the completion of their site mapping and exploration (Geotechnologies, Inc., 2017). In general, as observed during the site visit summarized above, the well bedded Puente Formation bedrock exposed at the project site generally strikes east-west and exhibits a moderate southern dip at both the northern and southern portions of the project site. The central section of the project site is characterized by anomalous northwest-southeast striking and moderate easterly dipping bedding orientations (Figure 12).

The change in bedding orientations through the central portion of the project site correspond to a pair of small folds. A syncline is exposed within the west-facing cut slope and an anticline is exposed within test pit 24, which is located south of the syncline (Figure 12). Nearly continuous exposures of both fold limbs and fold axes demonstrate that the anomalous bedding attitudes near the central portion of the site are explained by folding in the Puente Formation, and not fault displacement across the site.

6.0 FAULTS AT BELMONT LEARNING CENTER

Other nearby faults to the Lamar (1970) fault include a zone of faulting exposed at the Belmont Learning Center. Earth Consultants International (ECI) conducted a fault investigation at the Belmont School, located about 0.5 km to the south of the subject property. ECI concluded faults at the Belmont Learning Center are likely not active (ECI, 2003), however, given the lack of

suitable surface material to rule out Holocene activity on faults located at the site, ECI (2003) considered the faults potentially active and treated them as such in their report. ECI (2003) notes, *"Although it is quite unlikely that all, or even most, of the faults breaking bedrock on the property are active, determination of this is not possible onsite."*

ECI (2003) does not propose a structural link between the Elysian Park blind thrust fault and the faults located at the Belmont Learning Center either in text or figures. ECI's report discusses the Elysian Park blind thrust fault and the process by which minor faults may occasionally develop above a blind thrust fault, however, neither the Elysian Park blind thrust fault nor faults that may develop above it are discussed in relation to faults identified at the Belmont Learning Center.

A key difference between the faults located at the Belmont Learning Center and the Lamar (1970) fault is that faults at the Belmont Learning Center have been observed first-hand. Given that Lamar (1970) dashes and queries the entire trace of the unnamed fault suggests that no direct observation of the fault was made by Lamar in bedrock exposures, roadcuts, or trenches.

The most significant faults at the Belmont Learning Center (Category A faults with 10s to 100s of feet of total displacement) are north-northeast- to northeast-striking and exhibit left-lateral and east-side-down displacement (ECI, 2003). This differs dramatically from the Lamar (1970) fault, which is interpreted as right-lateral and exhibits a west-side-down vertical component within the Los Angeles City oil field (Figure 2b). Based on the different orientations and kinematics, these faults likely are not related.

7.0 CONCLUSIONS

- The geologic basis for the Lamar (1970) fault appears to be limited to the offset contact at the northern end of the fault and the Sisters Hospital fault from oil field data associated with the Los Angeles City oil field. Mapping that postdates Lamar (1970) do not provide any additional evidence in support of the fault (e.g., no new offset contacts or disparate bedding attitudes on either side of fault) within the data gap between the offset beds of Lamar (1970) north of the project site and the subsurface data attributed to the Sisters Hospital fault of Crowder (1961) south of the project site.

- Lamar (1970) describes northwest-striking faults on his map, which includes the subject fault, as pre-Pliocene in age and, therefore, inactive. Map relationships from Lamar (1970) and subsequent geologic maps support this interpretation. The fault is depicted as dying out up section (towards the south) within the Puente Formation. A thin diatomaceous shale unit is mapped as undeformed across the southern projection of this fault (Soper and Grant, 1932; Soper, 1943; Lamar, 1970; Yerkes, 1997). Similarly, the mapped distribution of Quaternary terraces that cross the southern projection of the fault also appear undeformed in 1:24,000-scale of published geologic maps (Lamar, 1970; Dibblee and Ehrenspeck, 1989 and 1991; and Bedrossion, 2012).

- Mapping of continuous bedrock exposures and logging of multiple test pits and bucket auger boreholes by Geotechnologies, Inc. document continuous, well-bedded, locally folded but unfaulted, bedrock at the site (Figure 12). The subject fault of Lamar (1970) could not be found traversing the subject site and the absence of faulting can be demonstrated across the majority of the site containing bedrock slope and test pit exposures. The overall pattern of bedding attitudes provides additional confidence that no significant fault transects the site in areas between bedrock exposures. The only structural anomalies on the site consist of a northwest-striking syncline-anticline pair through the central portion of the site. These small folds disrupt the consistent east striking, south-dipping Puente Formation at the site. The fold axis of the syncline is exposed in the cut slope and the fold axis of the anticline was exposed in test pit 24 excavated east of the shotcrete-covered portion of the slope (Figure 12). These two small folds explain the change in bedding orientation on either side of the shotcrete. The fault of Lamar (1970) would appear to lie west of the site, as depicted by Lamar (1970) in Figure 1.

- Evaluation of historical aerial photos and geomorphic assessment of historical topographic maps do not yield any evidence for neotectonic features nor Holocene activity associated with the Lamar (1970) fault and are consistent with a pre-Pliocene age as determined by Lamar (1970).

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FIGURES

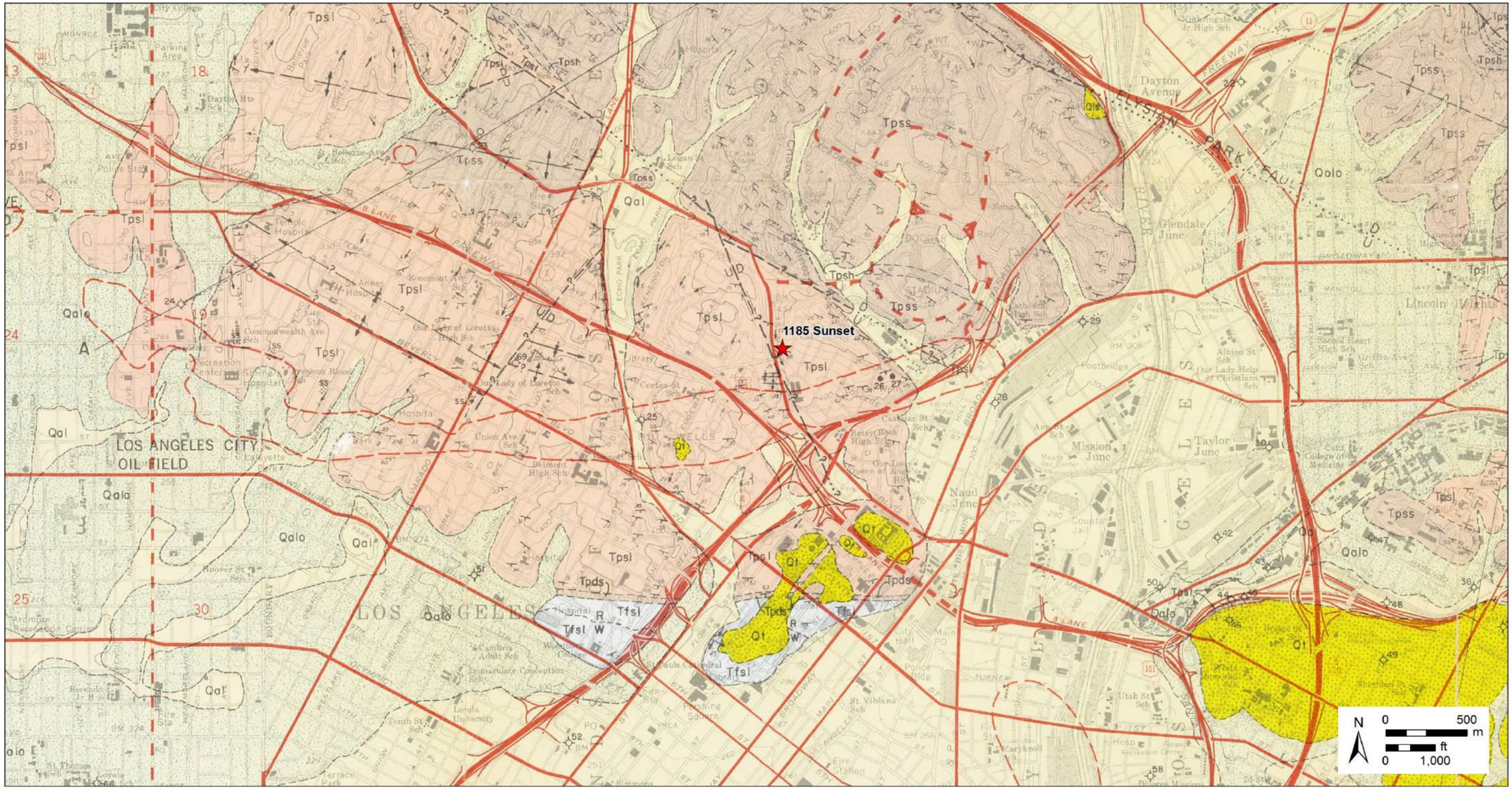
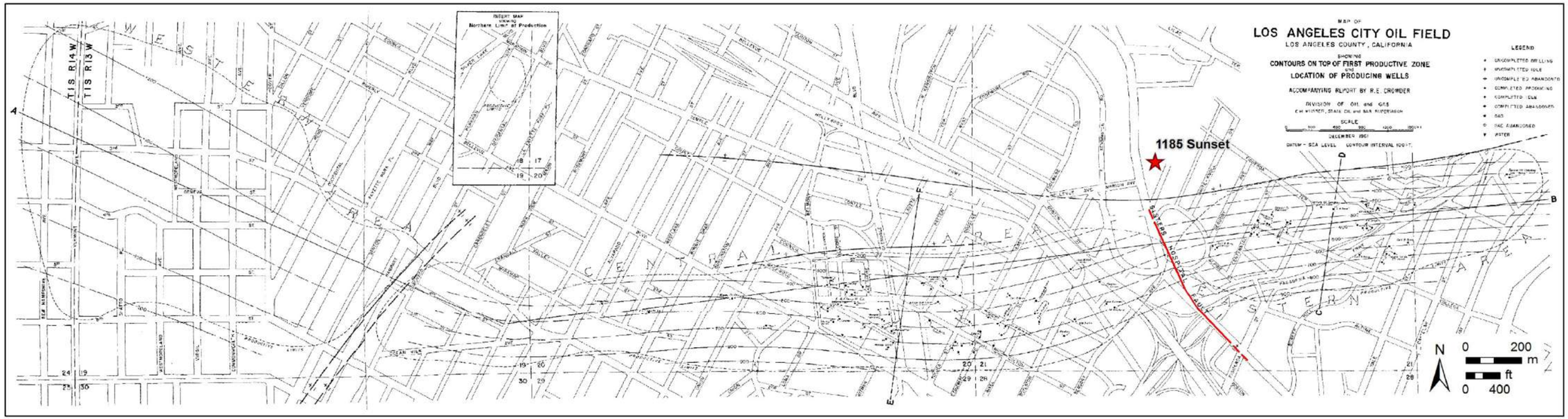


Figure 1. Geologic map of the Elysian Park-Repetto Hills Area by Lamar (1970).

A.



B.

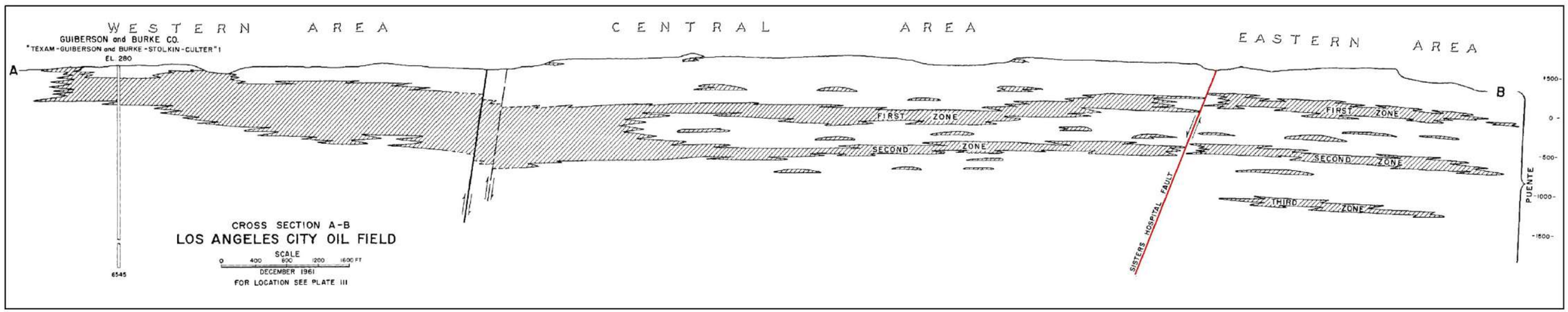


Figure 2. Crowder (1961) structure contour map shown in A and cross section A-B shown in B, depicting the subsurface structure of the Los Angeles City oil field.

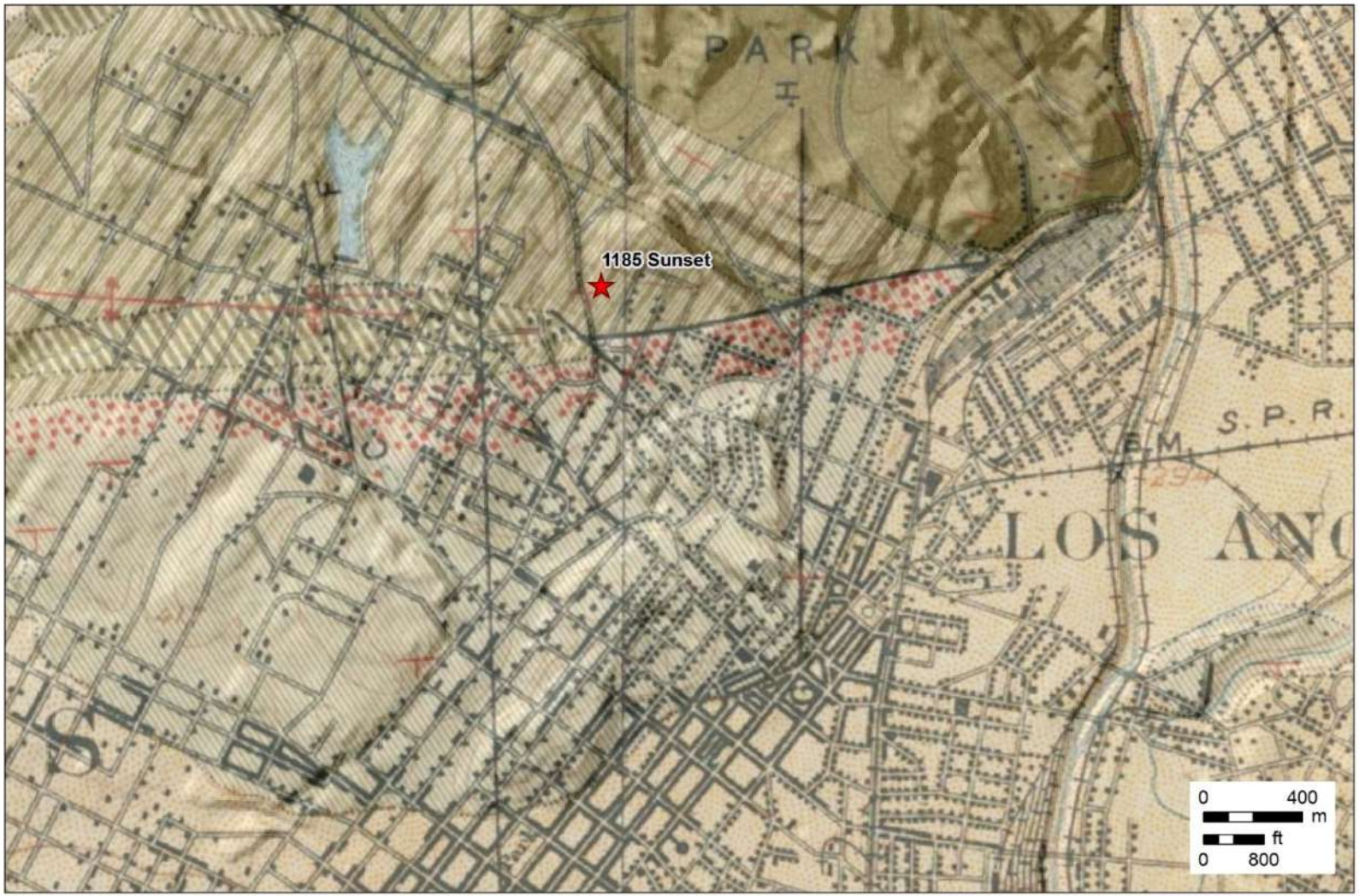


Figure 3. Geologic map of Eldridge and Arnold (1907).

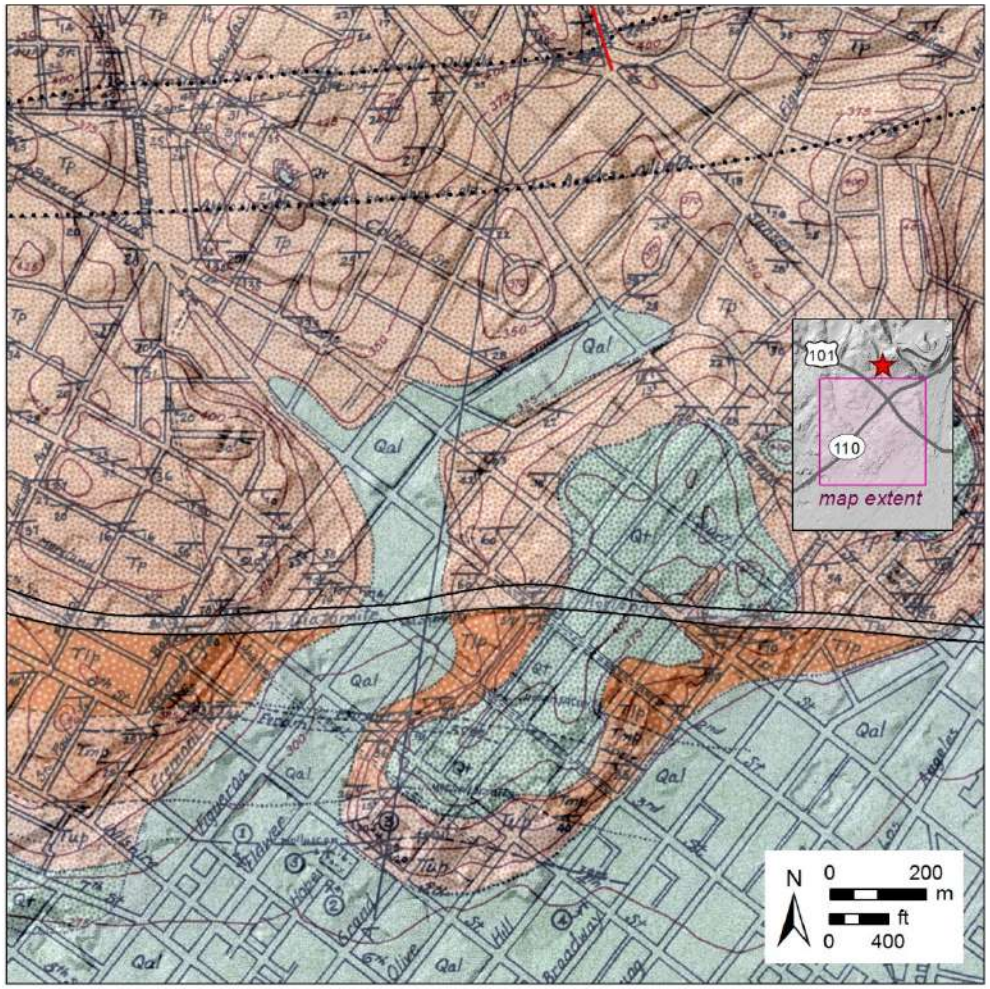


Figure 4. Geologic map of Soper and Grant (1932). Project site (red star) is located north of the northern edge of the map area (see inset). Unfaulted diatomite highlighted with light gray shading.

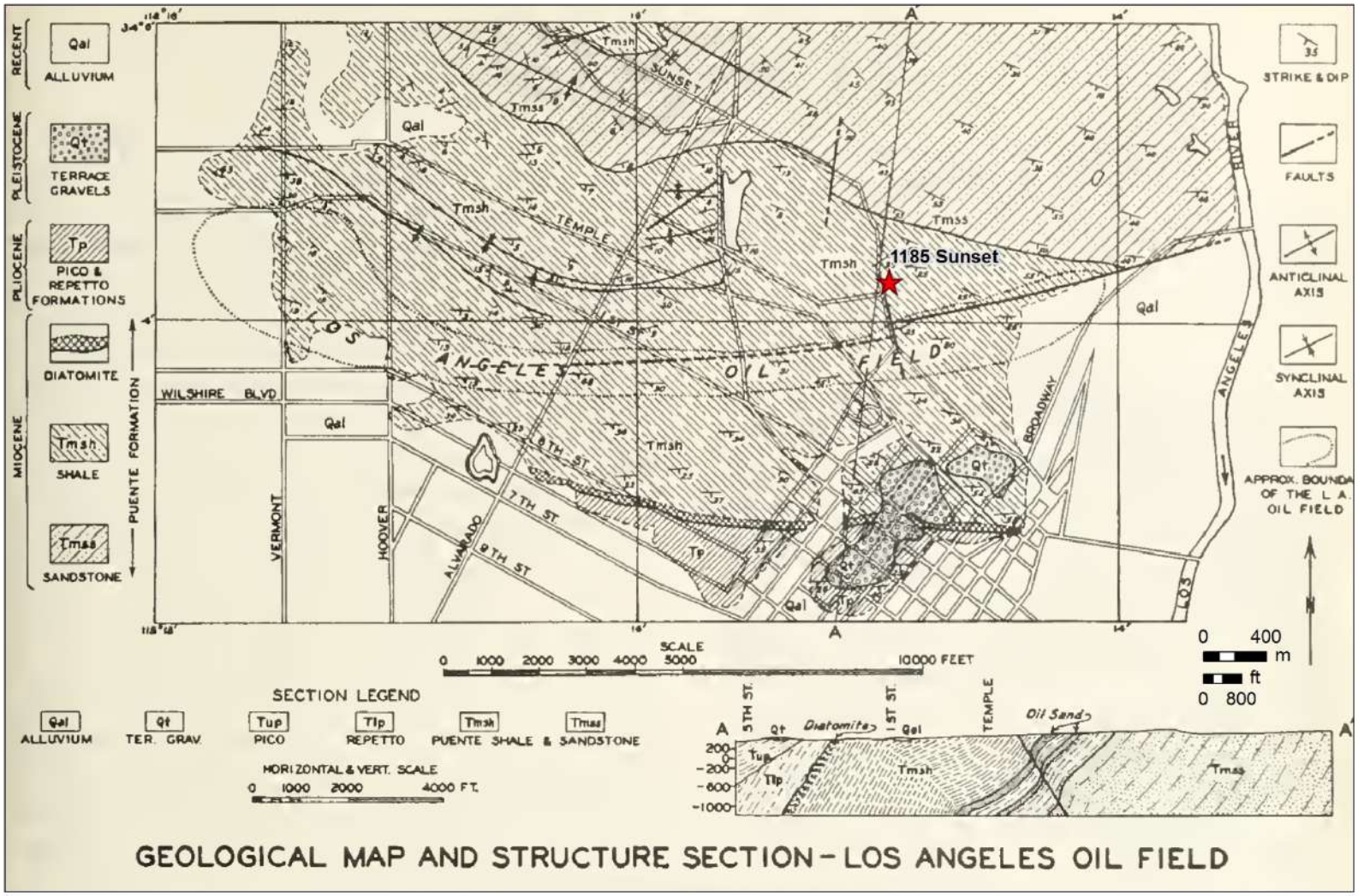


Figure 5. Geologic map of Soper (1943) showing oil field map south of project site and unfaulted diatomite bed south of project site.

Figure 6. Geologic map of Yerkes et al. (1977).

Figure 7. Geologic map of Yerkes (1997).

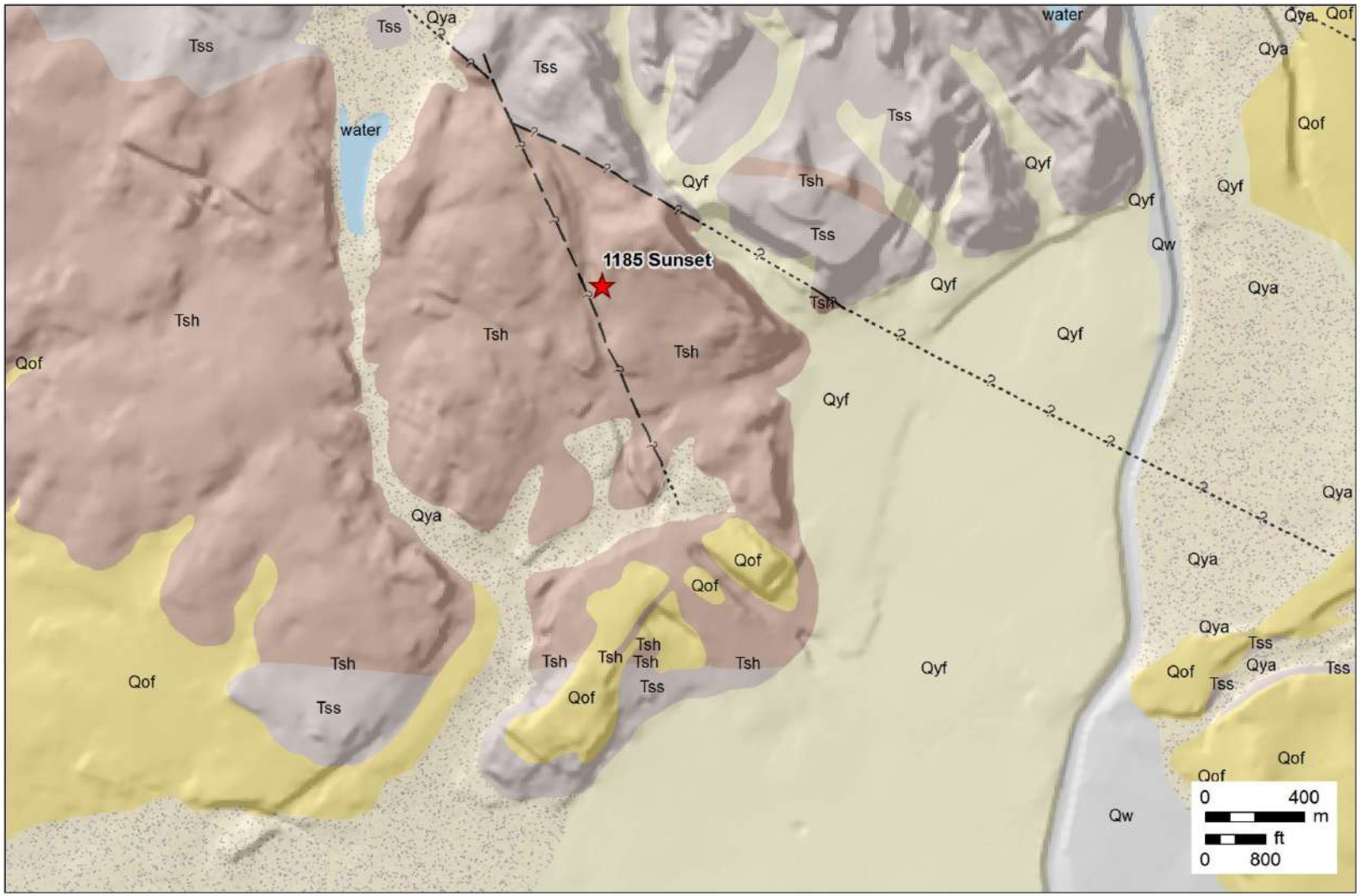


Figure 8. Geologic map of Bedrossian et al. (2012).

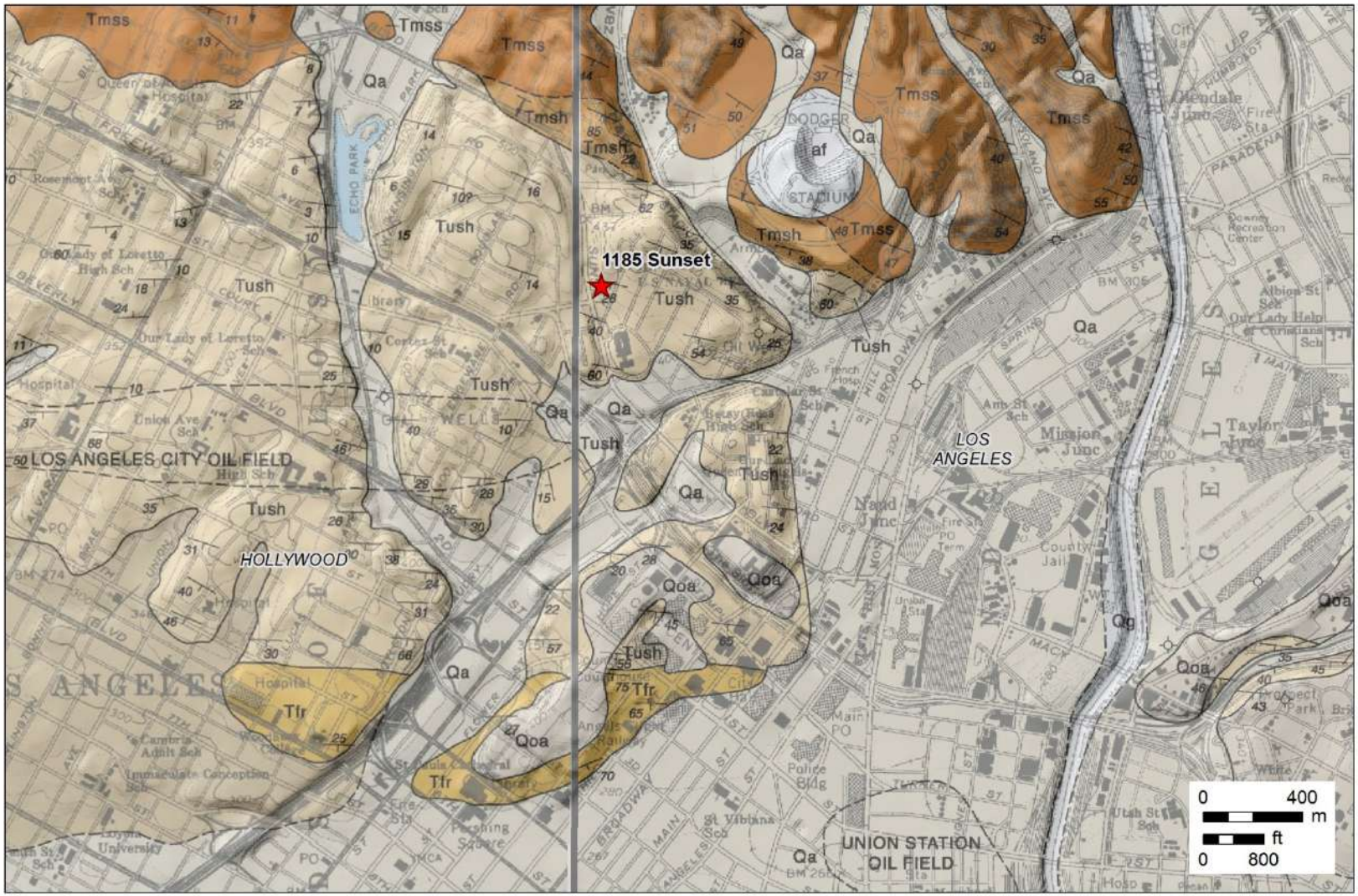


Figure 9. Geologic map of Dibblee and Ehrenspeck (1989).

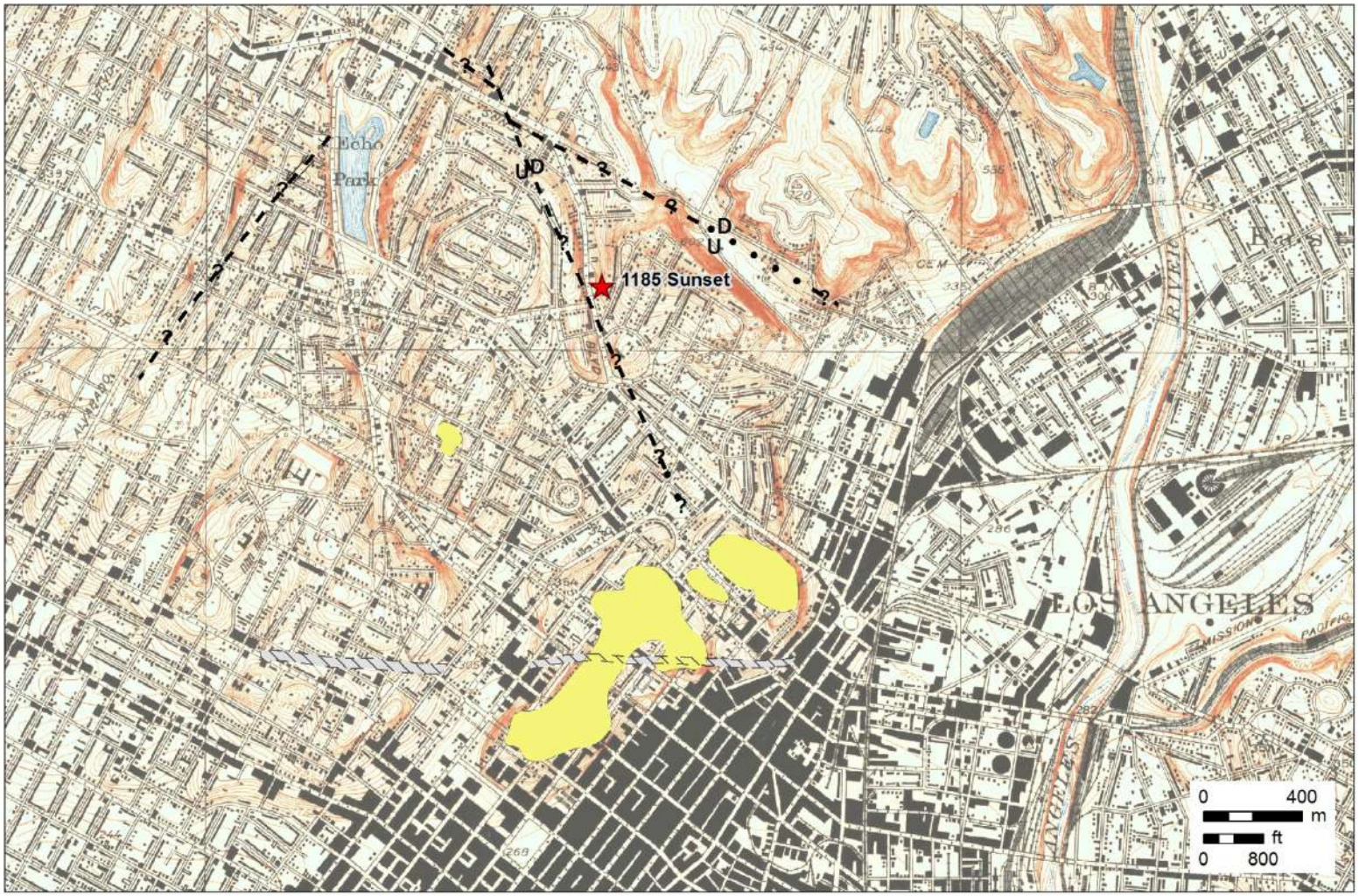


Figure 10. 1928 Los Angeles 6' quadrangle with overlay of key geologic features from Lamar (1970). Unnamed faults are dashed and queried, unfaulted diatomite bed is depicted as gray hatched polygons and quaternary terrace deposits are shown as yellow polygons.

Figure 11. Test pits reviewed by LCI on October 14, 2016.

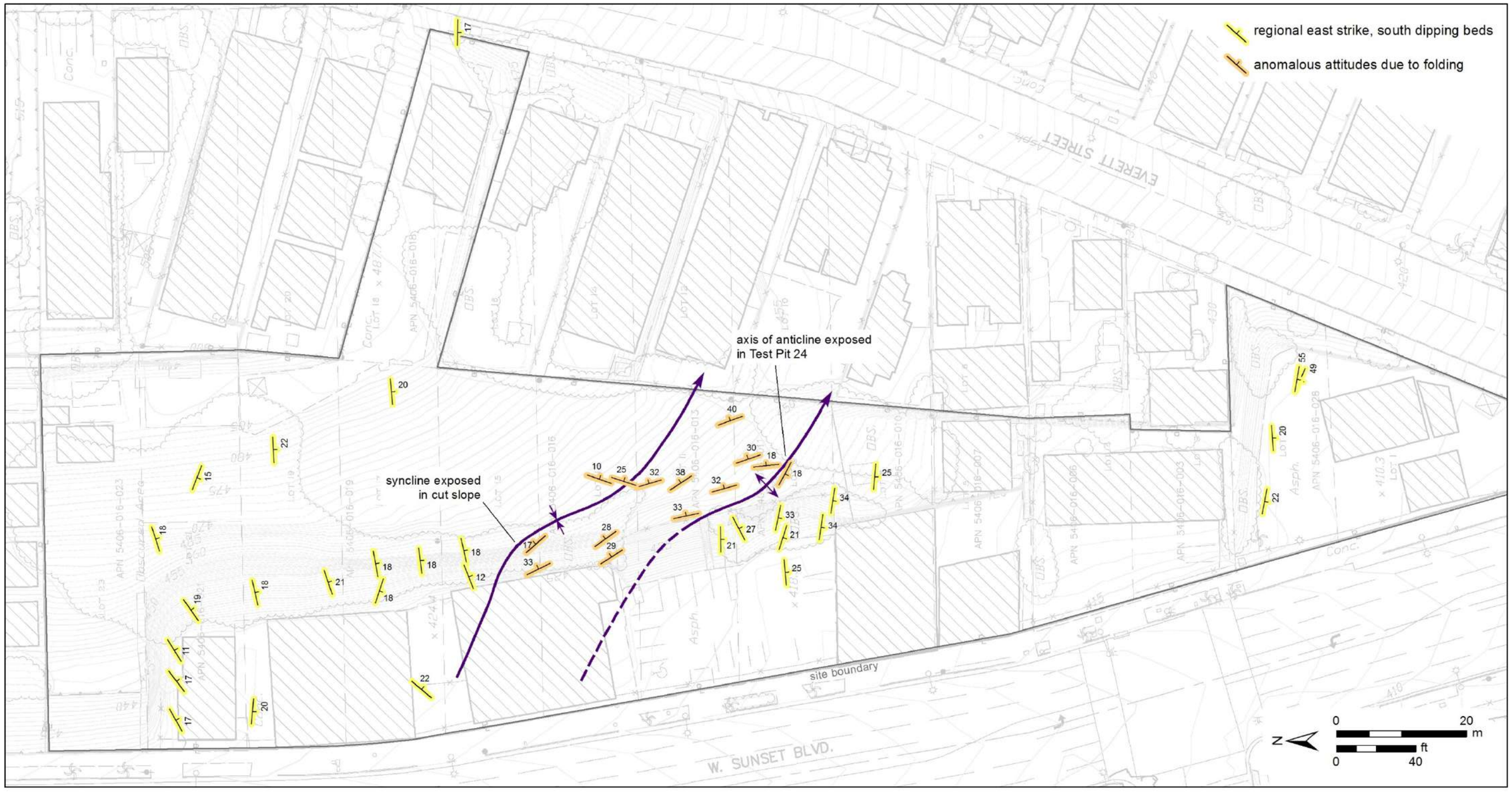


Figure 12. Bedding attitudes and folds identified at project site.

Appendix G

Corrosion Evaluation Report
by ProjectX Corrosion Engineering

Report dated June 20, 2018

Corrosion Evaluation Report for Aragon Sunset

June 20, 2018

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1 Executive Summary

A corrosion evaluation of the soils at Aragon Sunset was performed to provide corrosion control recommendations for general construction materials. The site is located at 1229 Sunset Blvd, Los Angeles, CA 90026. Three (3) samples were tested to a depth of 1 ft. Site ground water and topography information was provided via Los Angeles Regional Water Quality Control Board and determined to be 20 feet below finished grade.

The recommendations outlined herein are not a substitute for any design documents previously prepared for the purpose of construction and apply only to the depth of samples collected.

Soil samples were tested for minimum resistivity, pH, chlorides, sulfates, ammonia, nitrates, sulfides and redox.

As-Received soil resistivities ranged between 80,400 ohm-cm and 100,500 ohm-cm. This data would be similar to a Wenner 4 pin test in the field and used in the design of a cathodic protection or grounding bed system. This resistivity can change seasonally depending on the weather and moisture in the ground. This reading alone can be misleading because condensation or minor water leaks will occur underground along pipe surfaces creating a saturated soil environment in the trench along infrastructure surfaces which is why minimum or saturated soil resistivity measurements are more important than as-received resistivities.

Saturated soil resistivities ranged between 1,474 ohm-cm to 1,675 ohm-cm. The worst of these values is considered to be corrosive to general metals.

PH levels ranged between 8.6 to 8.6 pH. PH levels were determined to be at levels not detrimental to copper or aluminum alloys. The pH of these samples can allow corrosion of steel and iron in moist environments.

Chlorides ranged between 24 mg/kg to 30 mg/kg. Chloride levels in these samples are low and may cause insignificant corrosion of metals.

Sulfates ranged between 210 mg/kg to 240 mg/kg. Sulfate levels in these samples are negligible for corrosion of metals and cement. Any type of cement can be used that does not contain encased metal.

Ammonia ranged between 1.0 mg/kg to 3.8 mg/kg. Nitrates ranged between 15.0 mg/kg to 24.0 mg/kg. Concentrations of these elements were not high enough to cause accelerated corrosion of copper and copper alloys such as brass.

Sulfides presence was determined to be negative. REDOX ranged between + 95 mV to + 107 mV. The probability of corrosive bacteria was determined to be low due to the sulfide and positive REDOX levels determined in these samples.

2 Corrosion Control Recommendations

The following recommendations are based upon the results of soil testing.

2.1 Cement

The highest reading for sulfates was 240 mg/kg or 0.0240 percent by weight.

Per ACI 318-14, Table 19.3.1.1, sulfate levels in these samples categorized as S0 and are negligible for corrosion of metals and cement. Per ACI 318-14 Table 19.3.2.1 any type of cement not containing steel or other metal can be used.

2.2 Steel Reinforced Cement/ Cement Mortar Lined & Coated (CML&C)

Chlorides in soil can overcome the corrosion inhibiting property of cement for steel, as it can also break through passivated surfaces of aluminum and stainless steels.[1,2] The highest concentration of chlorides was 24 mg/kg.

Chloride levels in these samples are not significantly corrosive to metals not in tension. Standard cement cover may be used in these soils.

2.3 Stainless Steel Pipe/Conduit/Fittings

Stainless steels derive their corrosion resistance from their chromium content and oxide layer which needs oxygen to regenerate if damaged. Thus stainless steel is not good for deep soil applications where oxygen levels are extremely low. Stainless steels should not be installed deeper than a plant root zone. Stainless steels typically have the same nobility as copper on the galvanic series and can be connected to copper. If steel must be used, it must be backfilled with soil having greater than 10,000 ohm-cm resistivity and excellent drainage. Steel will also corrode if in contact with carbon materials. Stainless steel welds should be pickled.

Stainless steel should not be used underground at this site.

2.4 Steel Post Tensioning Systems

The proper sealing of stressing holes is of utmost importance in PT Systems. Cut off excess strand 1/2" to 3/4" back in the hole. Coat or paint exposed anchorage, grippers, and stub of strands with "Rust-o-leum" or equal. After tendons have been coated, the cement contractor shall dry pack blockouts within ten (10) days. A non-shrink, non-metallic, non-porous moisture-insensitive grout (Master EMACO S 488 or equivalent), or epoxy grout shall be used for this purpose. If an encapsulated post-tension system is used, regular non-shrink grout can be used.

Due to the low chloride concentrations measured on samples obtained from this site, post-tensioned slabs should be protected in accordance with soil considered normal (non-corrosive).[3,4]

[1] Design Manual 303: Cement Cylinder Pipe. Ameron. p.65
[2] *Chapter 19, Table 1904.2.2(1), 2012 International Building Code*
[3] *Post-Tensioning Manual, sixth edition. Post-Tensioning Institute (PTI), Phoenix, AZ, 2006.*
[4] *Specification for Unbonded Single Strand Tendons. Post-tensioning Institute (PTI), Phoenix, AZ, 2000.*

2.5 Steel Piles

Steel piles are most susceptible to corrosion in disturbed soil where oxygen is available. Further, a dissimilar environment corrosion cell would exist between the steel embedded in cement, such as pile caps and the steel in the soil. In the cell, the steel in the soil is the anode (corroding metal), and the steel in cement is the cathode (protected metal). This cell can be minimized by coating the part of the steel piles that will be embedded in cement to prevent contact with cement and reinforcing steel.

Piles driven into soils without disturbing soils will avoid oxygen introduction and low corrosion rates unless there is a probability for corrosive anaerobic bacteria. Galvanized steel's zinc coating can provide significant protection for driven piles. In corrosive soils in which normal zinc coatings are not enough, the life of piles can be extended by increasing zinc coating thickness, using sacrificial metal, or providing a combination of epoxy coatings and cathodic protection. Corrosion has been observed to be extremely localized even at and below underground water tables. Pit depths of this magnitude do not have an appreciable effect on the strength or useful life of piling structures because the reduction in pile cross section is not significant.[5] Pitting is of more importance to pipes transporting liquids or gases which should not be leaked into the ground.

The following recommendations are recommended to achieve desired life. We defer to structural engineers to use our estimated corrosion rates and to choose from the corrosion control options listed below.

1) Sacrificial metal by use of thicker piles per non-disturbed soil corrosion rates, or
2) Galvanized steel piles per non-disturbed soil corrosion rates, or
3) Combination of galvanized and sacrificial metal per non-disturbed soil corrosion rates, or
4) For no loss of metal, coat entire pile with abrasion resistant epoxy coating such as 3M Scotchkote 323, or PowercreteDD, or equivalent, or
5) Use high yield steel which will corrode at the same rate as mild steel but have greater yield strength and thus be able to suffer more material loss than mild steel.

2.5.1 Expected Corrosion Rate of Steel and Zinc in disturbed soil

In general, the corrosion rate of metals in soil depends on the electrical resistivity, the elemental composition, and the oxygen content of the soil. Soils can vary greatly from one acre to the next, especially at earthquake faults. The better a soil is for farming; the easier it will be for corrosion to take place. Expansive soils will also be considered disturbed simply because of their nature from dry to wet seasons.

In Melvin Romanoff's NBS Circular 579, the corrosion rates of carbon steels and various metals was studied over long term periods. Various metals were placed in various soil types to gather corrosion rate data of all metals in all soil types. Samples were collected and material loss measured over the course of 20 years in some sites. The following corrosion rates were estimated by comparing the worst results of soils tested with similar soils in Romanoff's studies

[5] Melvin Romanoff, Corrosion of Steel Pilings in Soils, National Bureau of Standards Monograph 58, pg 20.

and Highway Research Board's publications.[6] The corrosion rate of zinc in disturbed soils is determined per Romanoff studies and King Nomograph.[7]

Expected Corrosion Rate for Steel = 1.74 mils/year for one sided attack

Expected Corrosion Rate for Zinc = 0.504 mils/year for one sided attack.

Note: 1 mil = 0.001 inch

In undisturbed soils, a corrosion rate of 1 mil/year for steel is expected with little change in the corrosion rate of zinc due to it's low nobility in the galvanic series.

Per CTM 643: Years to perforation of corrugated galvanized steel culverts

- 29.8 Years to Perforation for a 18 gage metal culvert
- 38.7 Years to Perforation for a 16 gage metal culvert
- 47.7 Years to Perforation for a 14 gage metal culvert
- 65.6 Years to Perforation for a 12 gage metal culvert
- 83.5 Years to Perforation for a 10 gage metal culvert
- 101.3 Years to Perforation for a 8 gage metal culvert

2.5.2 Expected Corrosion Rate of Steel and Zinc in Undisturbed soil

Expected Corrosion Rate for Steel = 1 mils/year for one sided attack

Expected Corrosion Rate for Zinc = 0.504 mils/year for one sided attack.

Note: 1 mil = 0.001 inch

2.6 Steel Storage tanks

Underground fuel tanks must be constructed and protected in accordance with California Underground Storage Tank Regulations, CCR, Title 23, Division 3, Chapter 16. Metals should be protected with cathodic protection or isolated from backfill material with an epoxy coating.

2.7 Steel Pipelines

Though a site may not be corrosive in nature at the time of construction, **installation of corrosion test stations and electrical continuity joint bonding should be performed during construction** so that future corrosion inspections can be performed. If steel pipes with gasket joints or other possibly non-conductive type joints are installed, their joints should be bonded across by welding or pin brazing a #8 AWG copper strand bond cable. Electrical continuity is necessary for corrosion inspections and for cathodic protection.

Corrosion test stations should be installed every 1,000 feet of pipeline.

Test stations shall have two #8 HMWPE copper strand wire test leads welded or pin brazed to the underground pipe, brought up into the test station hand hole and marked CTS. Wires should be brought into test station hand hole at finished grade with 12 inches of wire coiled within test station.

[6] Field test for Estimating Service Life of Corrugated Metal Culverts, J.L. Beaton, Proc. Highway Research Board, Vol 41, P. 255, 1962
[7] King, R.A. 1977, Corrosion Nomograph, TRRC Supplementary Report, British Corrosion Journal

At isolation joints and pipe casings, 4 wire test stations shall be installed using #8 HMWPE copper strand wire test leads. Use different color wires to distinguish which wires are bonded to one side of isolation joint or to casing. Wires should be brought into test station hand hole at finished grade with 12 inches of wire coiled within test station.

Prevent dissimilar metal corrosion cells per NACE SP0286:

1) Electrically isolate dissimilar metal connections
2) Electrically isolate dissimilar coatings (Epoxy vs CML&C) segments connections
3) Electrically isolate river crossing segments
4) Electrically isolate freeway crossing segments
5) Electrically isolate old existing pipelines from new pipelines
6) Electrically isolate aboveground and underground pipe segments with flange isolation joint kits. **These are especially important for fire risers.**

The corrosivity at this site is corrosive to steel. Any piping that must be jack-bored should use abrasion resistant epoxy coating such as 3M Scotchkote 323, or PowercreteDD, or equivalent. The corrosion control options for this site are as follows:

1) Apply impermeable dielectric coating such as minimum 8 mil thick polyethylene, and install cathodic protection system per NACE SP0169, or
2) Wax tape, or
3) Coal tar enamel, or
4) Fusion bonded epoxy, or
5) Apply 3 inch coating of Type II cement or high pH slurry that will maintain pH higher than 12. Cement is both a corrosion inhibitor and a coating for ferrous metals. Cement naturally holds a pH of 12 or higher for many years if not exposed to high levels of carbon dioxide.

It is critical for the life of the pipe that the protective wrap contains no openings or holes. Prevent damage to the protective sleeve during backfilling of the pipe trench. Penetrations of any kind within these or other protective materials generally leads to accelerated corrosion failure due to the fact that the corrosion attack is concentrated at the location of these penetrations. Cathodic protection will protect these defects. The better the coating, the less expensive a cathodic protection system will be in anode material and power requirement if needed.

2.8 Steel Fittings

The corrosivity at this site is corrosive to steel. The corrosion control options for this site are as follows:

1) Apply impermeable dielectric coating such as minimum 8 mil thick polyethylene, and install cathodic protection system per NACE SP0169, or
2) Tape coating system, or
3) Wax tape, or

4) Coal tar enamel, or
5) Fusion bonded epoxy, or
6) Apply 3 inch coating of Type II cement or high pH slurry that will maintain pH higher than 12. Cement is both a corrosion inhibitor and a coating for ferrous metals. Cement naturally holds a pH of 12 or higher for many years if not exposed to high levels of carbon dioxide.

It is critical for the life of the metal that the protective wrap contains no openings or holes. Prevent damage to the protective sleeve during backfilling of the pipe trench. Penetrations of any kind within these or other protective materials generally leads to accelerated corrosion failure due to the fact that the corrosion attack is concentrated at the location of these penetrations. Cathodic protection will protect these defects. The better the coating, the less expensive a cathodic protection system will be in anode material and power requirement if needed.

2.9 Ductile Iron (DI) Fittings

AWWA C105 developed a 10 point system to classify sites as corrosive or non-corrosive to ductile iron materials. The criterion is based upon soil resistivities, soil drainage, pH, sulfide presence, and reduction-oxidation (REDOX) potential. The soil samples tested for this site resulted in a score of 8.5 out of 25.5. A score greater or equal to 10 points classifies soils as aggressive to iron materials.

The corrosivity at this site is corrosive to iron. The corrosion control options for this site are as follows:

1) Apply impermeable dielectric coating such as minimum 8 mil thick polyethylene, and install cathodic protection system per NACE SP0169, or
2) Wax tape, or
3) Coal tar enamel, or
4) Fusion bonded epoxy, or
5) Apply 3 inch coating of Type II cement or high pH slurry that will maintain pH higher than 12. Cement is both a corrosion inhibitor and a coating for ferrous metals. Cement naturally holds a pH of 12 or higher for many years if not exposed to high levels of carbon dioxide.

It is critical for the life of the metal that the protective wrap contains no openings or holes. Prevent damage to the protective sleeve during backfilling of the pipe trench. Penetrations of any kind within these or other protective materials generally leads to accelerated corrosion failure due to the fact that the corrosion attack is concentrated at the location of these penetrations. Cathodic protection will protect these defects. The better the coating, the less expensive a cathodic protection system will be in anode material and power requirement if needed.

2.10 Ductile Iron Pipe

AWWA C105 developed a 10 point system to classify sites as corrosive or non-corrosive to ductile iron materials. The criterion is based upon soil resistivities, soil drainage, pH, sulfide presence, and reduction-oxidation (REDOX) potential. The soil samples tested for this site resulted in a score of 8.5 out of 25.5. A score greater or equal to 10 points classifies soils as aggressive to iron materials.

Though a site may not be corrosive in nature at the time of construction, **installation of corrosion test stations and electrical continuity joint bonding should be performed during construction** so that future corrosion inspections can be performed. If steel pipes with gasket joints or other possibly non-conductive type joints are installed, their joints should be bonded across by welding or pin brazing a #8 AWG copper strand bond cable. Electrical continuity is necessary for corrosion inspections and for cathodic protection.

Pea gravel is used by plumbers to lay pipes and establish slopes. If the gravel has more than 200 ppm chlorides or is not tested, a 25 mil plastic should be placed between the gravel and pipe to avoid corrosion.

Corrosion test stations should be installed every 1,000 feet of pipeline.

Test stations shall have two #8 HMWPE copper strand wire test leads welded or pin brazed to the underground pipe, brought up into the test station hand hole and marked CTS. Wires should be brought into test station hand hole at finished grade with 12 inches of wire coiled within test station.

At isolation joints and pipe casings, 4 wire test stations shall be installed using #8 HMWPE copper strand wire test leads. Use different color wires to distinguish which wires are bonded to one side of isolation joint or to casing. Wires should be brought into test station hand hole at finished grade with 12 inches of wire coiled within test station.

Prevent dissimilar metal corrosion cells per NACE SP0286:

1) Electrically isolate dissimilar metal connections
2) Electrically isolate dissimilar coatings (Epoxy vs CML&C) segments connections
3) Electrically isolate river crossing segments
4) Electrically isolate freeway crossing segments
5) Electrically isolate old existing pipelines from new pipelines
6) Electrically isolate aboveground and underground pipe segments with flange isolation joint kits**. These are especially important for fire risers.**

The corrosivity at this site is corrosive to iron. Any piping that must be jack-bored should use abrasion resistant epoxy coating such as 3M Scotchkote 323, or PowercreteDD, or equivalent. The corrosion control options for this site are as follows:

1) Apply impermeable dielectric coating such as minimum 8 mil thick polyethylene, and install cathodic protection system per NACE SP0169, or
2) Wax tape, or
3) Coal tar enamel, or

4) Fusion bonded epoxy, or

5) Apply 3 inch coating of Type II cement or high pH slurry that will maintain pH higher than 12. Cement is both a corrosion inhibitor and a coating for ferrous metals. Cement naturally holds a pH of 12 or higher for many years if not exposed to high levels of carbon dioxide.

It is critical for the life of the metal that the protective wrap contains no openings or holes. Prevent damage to the protective sleeve during backfilling of the pipe trench. Penetrations of any kind within these or other protective materials generally leads to accelerated corrosion failure due to the fact that the corrosion attack is concentrated at the location of these penetrations. Cathodic protection will protect these defects. The better the coating, the less expensive a cathodic protection system will be in anode material and power requirement if needed.

2.11 Copper Materials

Copper is an amphoteric material which is susceptible to corrosion at very high and very low pH. It is one of the most noble metals used in construction thus typically making it a cathode when connected to dissimilar metals. Copper's nobility can change with temperature, similar to the phenomenon in zinc. When zinc is at room temperature, it is less noble than steel and can provide cathodic protection to steel. But when zinc is at a temperature above 140F such as in a water heater, it becomes nobler than the steel and the steel becomes the sacrificial anode. This is why zinc is not used in steel water heaters or boilers. Copper when cold has one native potential, but when heated develops a more electronegative electro-potential. Thus hot and cold copper pipes should be electrically isolated from each other to avoid creation of a thermo-galvanic corrosion cell.

2.11.1 Copper Pipes

The lowest pH for this area was measured to be 8.6. Soil with a pH less than 5.5 is considered aggressive to copper. Copper is also greatly affected by ammonia and nitrate concentrations[8]. The highest nitrate concentration was 24.0 mg/kg and the highest ammonia concentration was 0.5 mg/kg at this site.

These soils were determined mildly corrosive to copper and copper alloys such as brass.

Underground, aboveground, cold water, and hot water pipes should be electrically isolated from each other by use of dielectric unions and plastic in-wall pipe supports. The following are corrosion control options for underground copper water pipes.

1) Cover cold copper piping with minimum 8 mil polyethylene and backfill with clean sand with 2 inch minimum cover above and below tubing. Backfill should have a pH between 6 and 8 with minimum resistivity of 2,000 ohm-cm

2) Heat increases corrosion rates. Hot water pipes should be installed within PVC piping to prevent soil contact, or

3) Cover hot water pipes with minimum 10 mil polyethylene sleeve over a suitable primer

[8] Corrosion Data Handbook, Table 6, Corrosion Resistance of copper alloys to various environments, 1995

It is critical for the life of the metal that the protective wrap contains no openings or holes. Prevent damage to the protective sleeve during backfilling of the pipe trench. Penetrations of any kind within these or other protective materials generally leads to accelerated corrosion failure due to the fact that the corrosion attack is concentrated at the location of these penetrations. Cathodic protection will protect these defects. The better the coating, the less expensive a cathodic protection system will be in anode material and power requirement if needed.

2.11.2 Brass Fittings

Brass fittings should be electrically isolated from dissimilar metals by use of dielectric unions or isolation joint kits.

These soils were determined to be mildly corrosive to copper and copper alloys such as brass.

The following are corrosion control options for underground brass.

1) Cover with minimum 8 mil polyethylene or other impermeable coating and backfill with clean sand with 4 inch minimum cover above and below brass. Backfill should have a pH between 6 and 8 with minimum resistivity of 2,000 ohm-cm, or
2) Wrap fitting or valves in wax tape

It is critical for the life of the metal that the protective wrap contains no openings or holes. Prevent damage to the protective sleeve during backfilling of the pipe trench. Penetrations of any kind within these or other protective materials generally leads to accelerated corrosion failure due to the fact that the corrosion attack is concentrated at the location of these penetrations. Cathodic protection will protect these defects. The better the coating, the less expensive a cathodic protection system will be in anode material and power requirement if needed.

2.11.3 Bare Copper Grounding Wire

It is assumed that corrosion will occur at all sides of the bare wire, thus the corrosion rate is calculated as a two sided attack determining the time it takes for the corrosion from two sides to meet at the center of the wire. The estimated life of bare copper wire for this site is the following:[9]

Size (AWG)	**Diameter (mils)**	**Est. Time to penetration (Yrs)**
14	64.1	35.6
13	72	40.0
12	80.8	44.9
11	90.7	50.4
10	101.9	56.6
9	114.4	63.6
8	128.5	71.4
7	144.3	80.2
6	162	90.0

[9] Soil-Corrosion studies 1946 and 1948: Copper Alloys, Lead, and Zinc, Melvin Romanoff, National Bureau of Standards, Research Paper RP2077, 1950

Size (AWG)	**Diameter (mils)**	**Est. Time to penetration (Yrs)**
5	181.9	101.1
4	204.3	113.5
3	229.4	127.4
2	257.6	143.1
1	289.3	160.7

If the bare copper wire is being used as a grounding wire connected to less noble metals such as galvanized steel or carbon steel, the less noble metals will provide additional cathodic protection to the copper reducing the corrosion rate of the copper.

It is recommended that a corrosion inhibiting and water-repelling coating such as Corrosion X Part No. 90102 by Corrosion Technologies (no affiliation to Project X) be applied to aboveground and belowground copper-to-dissimilar metal connections to reduce risk of dissimilar corrosion.

2.12 Aluminum Pipe/Conduit/Fittings

Aluminum is an amphoteric material prone to pitting corrosion in environments that are very acidic or very alkaline or high in chlorides.

Conditions at this site are safe for aluminum.

Aluminum derives its corrosion resistance from its oxide layer which needs oxygen to regenerate if damaged, similar to stainless steels. Thus aluminum is not good for deep soil applications. Since aluminum corrodes at very alkaline environments, it cannot be encased or placed against cement or mortar such as brick wall mortar up against an aluminum window frame.

Aluminum is also very low on the galvanic series scale making it most likely to become a sacrificial anode when in contact with dissimilar metals in moist environments. Avoid electrical continuity with dissimilar metals by use of insulators, dielectric unions, or isolation joints. Pooling of water at post bottoms or surfaces should be avoided by integrating good drainage.

2.13 Carbon Fiber or Graphite Materials

Carbon fiber or other graphite materials are extremely noble on the galvanic series and should always be electrically isolated from dissimilar metals. They can conduct electricity and will create corrosion cells if placed in contact within a moist environment with any metal.

2.14 Plastic and Vitrified Clay Pipe

No special precautions are required for plastic and vitrified clay piping from a corrosion viewpoint.

Protect all metallic fittings and pipe restraining joints with wax tape per AWWA C217, cement if previously recommended, or epoxy.

3 CLOSURE

In addition to soils chemistry and resistivity, another contributing influence to the corrosion of buried metallic structures is stray electrical currents. These electrical currents flowing through the earth originate from buried electrical systems, grounding of electrical systems in residences, commercial buildings, and from high voltage overhead power grids. Therefore, it is imperative that the application of protective wraps and/or coatings and electrical isolation joints be properly applied and inspected.

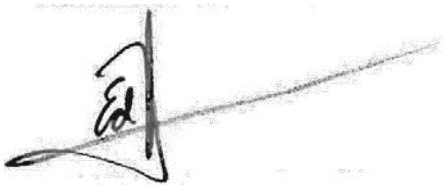
It is the responsibility of the builder and/or contractor to closely monitor the installation of such materials requiring protection in order to assure that the protective wraps or coatings are not damaged.

The recommendations outlined herein are in conformance with current accepted standards of practice that meet or exceed the provisions of the Uniform Building Code (UBC), the International Building Code (IBC), California Building Code (CBC), the American Cement Institute (ACI), Nickel Institute, National Association of Corrosion Engineers (NACE International), Post-Tensioning Institute Guide Specifications and State of California Department of Transportation, Standard Specifications, American Water Works Association (AWWA) and the Ductile Iron Pipe Research Association (DIPRA).

Our services have been performed with the usual thoroughness and competence of the engineering profession. No other warranty or representation, either expressed or implied, is included or intended.

Please call if you have any questions.

Respectfully Submitted,



Eddie Hernandez, M.Sc., P.E.
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Professional Engineer
California No. M37102
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4 SOIL ANALYSIS LAB RESULTS

Client: Geotechnologies, Inc
Job Name: Aragon Sunset
Client Job Number: 20489
Project X Job Number: S180612A
June 20, 2018

	Method	ASTM G187		ASTM D516		ASTM D512B		SM 4500-NO3-E	SM 4500-NH3-C	SM 4500-S2-D	ASTM G200	ASTM G51
Bore# / Description	**Depth**	**Resistivity** As Rec'd	Minimum	**Sulfates**		**Chlorides**		**Nitrate**	**Ammonia**	**Sulfide**	**Redox**	**pH**
	(ft)	(Ohm-cm)	(Ohm-cm)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(mg/kg)	(mg/kg)	(mg/kg)	(mV)	
A - North-end of Site	1.0	80,400	1,474	240	0.0240	24	0.0024	15	3.8	0.18	95	8.62
B - Center of Site	1.0	100,500	1,541	210	0.0210	30	0.0030	24	1.5	0.09	105	8.62
C - South-end of Site	1.0	80,400	1,675	210	0.0210	24	0.0024	21	1.0	0.09	107	8.55

Unk = Unknown
NT = Not Tested
ND = 0 = Not Detected
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
Chemical Analysis performed on 1:3 Soil-To-Water extract

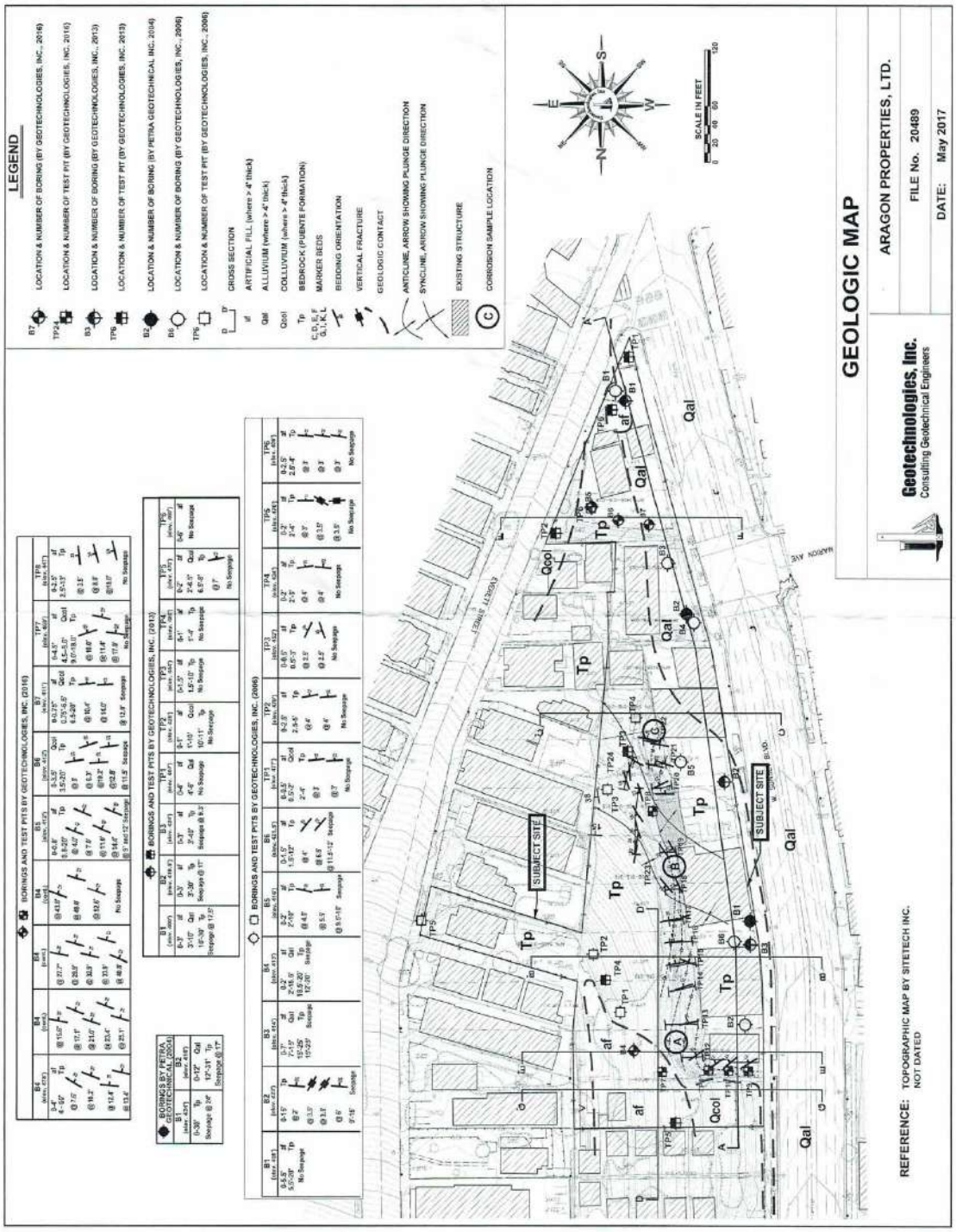


Figure 1 Soil Sample Location, 1229 Sunset Blvd, Los Angeles, CA 90026

Figure 2 Vicinity Map, 1229 Sunset Blvd, Los Angeles, CA 90026

5 Corrosion Basics

In general, the corrosion rate of metals in soil depends on the electrical resistivity, the elemental composition, and the oxygen content of the soil. Soils can vary greatly from one acre to the next, especially at earthquake faults. The better a soil is for farming; the easier it will be for corrosion to take place. Oxygen content in soil can be increased during construction. These soils are considered disturbed soils. When construction equipment at a site is simply driving piles into soil without digging into the soil, the activity can still disturb soil down to 3 feet. Expansive soils will also be considered disturbed simply because of their nature from dry to wet seasons.

5.1 Galvanic Series

All metals have a natural electrical potential in soil. This electrical potential is measured using a high impedance voltmeter connected to the metal being tested and with the common lead connected to a copper copper-sulfate reference electrode (CSE). There are many types of reference electrodes. In laboratory measurements, a Standard Hydrogen Electrode (SHE) is commonly used. When different metal alloys are tested they can be ranked into an order from most noble (less corrosion), to least noble (more active corrosion). When a more noble metal is connected to a less noble metal, the less noble metal will become an anode and sacrifice itself through corrosion providing corrosion protection to the more noble metal. This hierarchy is known as the galvanic series named after Luigi Galvani whose experiments with electricity and muscles led Alessandro Volta to discover the reactions between dissimilar metals leading to the early battery. The greater the voltage difference between two metals, the faster the corrosion rate will be.

Table 1- Dissimilar Metal Corrosion Risk

	Zinc	Galvanized Steel	Aluminum	Cast Iron	Lead	Mild Steel	Tin	Copper	Stainless Steel
Zinc	None	Low	Medium	High	High	High	High	High	High
Galvanized Steel	Low	None	Medium	Medium	Medium	High	High	High	High
Aluminum	Medium	Medium	None	Medium	Medium	Medium	Medium	High	High
Cast Iron	High	Medium	Medium	None	Low	Low	Low	Medium	Medium
Lead	High	Medium	Medium	Low	None	Low	Low	Medium	Medium
Mild Steel	High	High	Medium	Low	Low	None	Low	Medium	Medium
Tin	High	High	Medium	Low	Low	Low	None	Medium	Medium
Copper	High	High	High	Medium	Medium	Medium	Medium	None	Low
Stainless Steel	High	High	High	Medium	Medium	Medium	Medium	Low	None

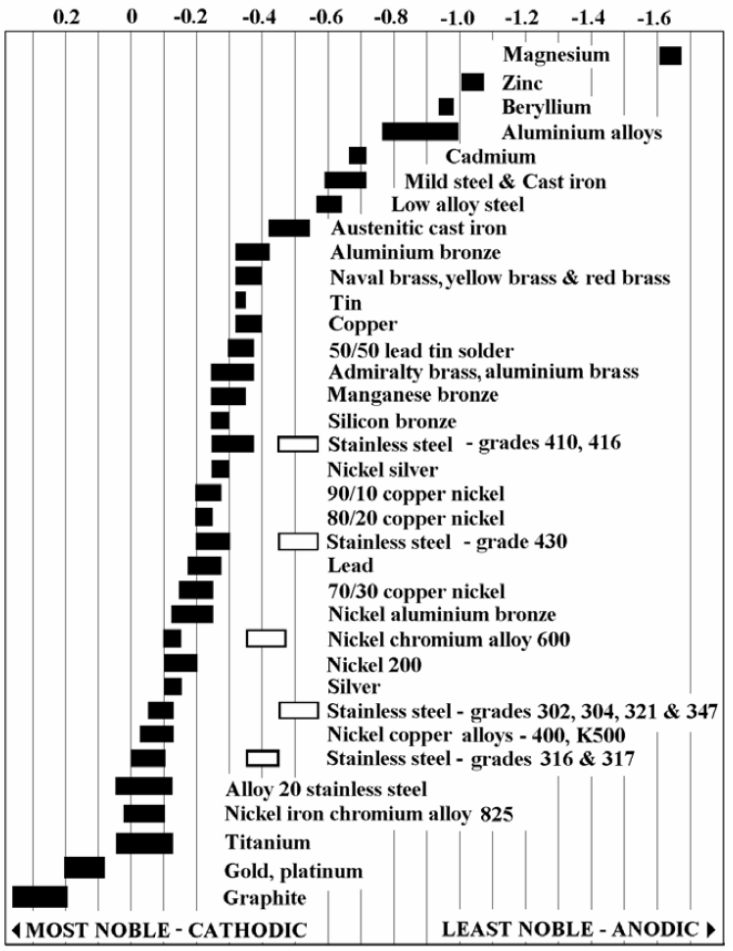


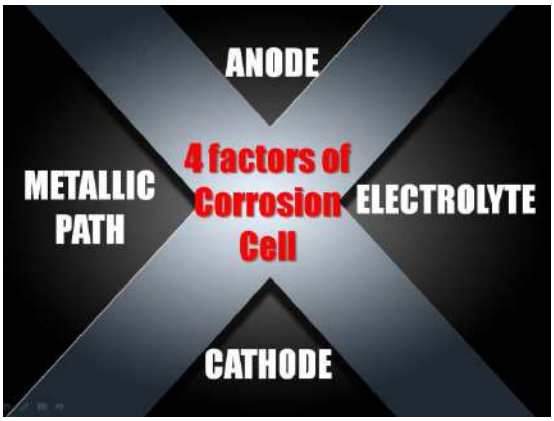
Figure 3 - Galvanic series of metals relative to CSE half cell.

5.2 Pourbaix Diagram

Every metal reacts differently in different environments. In the mid 1900's, Marcel Pourbaix developed the Pourbaix diagram which describes a metal's reaction to an environment dependant on pH and voltage conditions. It describes when a metal remains passive (non-corroding) and in which conditions metals become soluble (corrode). Steels are passive in pH over 12 such as the condition when it is encased in cement. If the cement were to carbonate and its pH reduce to below 12, the cement would no longer be able to act as a corrosion inhibitor and the steel will begin to corrode when moist.

Some metals such as aluminum are amphoteric, meaning that they react with acids and bases. They can corrode in low pH and in high pH conditions. Aluminum alloys are generally passive within a pH of 4 and 8.5 but will corrode outside of those ranges. This is why aluminum cannot be embedded in cement and why brick mortar should not be laid against an aluminum window frame.

5.3 Corrosion Cell



In order for corrosion to occur, four factors must be present. (1) The anode (2) the cathode (3) the electrolyte and (4) the metallic or conductive path joining the anode and the cathode. If any one of these is removed, corrosion activity will stop. This is how a simple battery produces electricity. An example of a non-metallic yet conductive material is graphite. Graphite is similar in nobility to gold. Do not connect graphite to anything in moist environments.

The anode is where the corrosion occurs, and the cathode is the corrosion free material. Sometimes the anode and cathode are different materials connected by a wire or union. Sometimes the anode and cathode are on the same pipe with one area of the pipe in a low oxygen zone while the other part of the pipe is in a high oxygen zone. A good example of this is a post in the ocean that is repeatedly splashed. Deep underwater, corrosion is minimal, but at the splash zone, the corrosion rate is greatest. Low oxygen zones and crevices can also harbor corrosive bacteria which in moist environments will lead to corrosion. This is why pipes are laid on backfill instead of directly on native cut soil in a trench. Filling a trench slightly with backfill before installing pipe then finishing the backfill creates a uniform environment around the entire surface of the pipe.

The electrolyte is generally water, seawater, or moist soil which allows for the transfer of ions and electrical current. Pure water itself is not very conductive. It is when salts and minerals dissolve into pure water that it becomes a good conductor of electricity and chemical reactions. Metal ores are turned into metal alloys which we use in construction. They naturally want to return to their natural metal ore state but it requires energy to return to it. The corrosion cell, creates the energy needed to return a metal to its natural ore state.

The metallic or conductive path can be a wire or coupling. Examples are steel threaded into a copper joint, or an electrician grounding equipment to steel pipes inadvertently connecting electrical grid copper grounding systems to steel or iron underground pipes.

The ratio of surface area between the anode and the cathode is very important. If the anode is very large, and the cathode is very small, then the corrosion rate will be very small and the anode may live a long life. An example of this is when short copper laterals were connected to a large and long steel pipeline. The steel had plenty of surface area to spread the copper's attack, thus corrosion was not noticeable. But if the copper was the large pipe and the steel the short laterals, the steel would corrode at an amazing rate.

5.4 Design Considerations to Avoid Corrosion

The following recommendations are based upon typical observations and conclusions made by forensic engineers in construction defect lawsuits and NACE International (Corrosion Society) recommendations.

5.4.1 Testing Soil Factors (Resistivity, pH, REDOX, SO, CL, NO3, NH3)

As previously mentioned, different factors can cause corrosion. The most useful and common test for categorizing a soil's corrosivity has been the measure of soil resistivity which is typically measured in units of (ohm-cm) by corrosion engineers and geologists. Soil resistivity is the ability of soil to conduct or resist electrical currents and ion transfer. The lower the soil resistivity, the more conductive and corrosive it is. The following are generally accepted descriptions.

Table 2 - Corrosion Basics- An Introduction, NACE, 1984, pg 191

(Ohm-cm)	Corrosivity Description
0-500	Very Corrosive
500-1,000	Corrosive
1,000-2,000	Moderately Corrosive
2,000-10,000	Mildly Corrosive
Above 10,000	Progressively less corrosive

Testing a soil's pH provides information to reference the Pourbaix diagram of specific metals. Some elements such as ammonia and nitrates can create localized alkaline conditions which will greatly affect amphoteric materials such as aluminum and copper alloys.

Excess sulfates can break-down the structural integrity of cement and high concentrations of chlorides can overcome cement's corrosion inhibiting effect on encased ferrous metals and break down protective passivated surface layers on stainless steels and aluminum.

Corrosive bacteria are everywhere but can multiply significantly in anaerobic conditions with plentiful sulfates. The bacteria themselves do not eat the metal but their by-products can form corrosive sulfuric acids. The probability of corrosive bacteria is tested by measuring a soil's oxidation-reduction (REDOX) electro-potential and by testing for the presence of sulfides.

5.4.2 Proper Drainage

It cannot be emphasized enough that pooled stagnant water on metals will eventually lead to corrosion. This stands for internal corrosion and external corrosion situations. In soils, providing good drainage will lower soil moisture content reducing corrosion rates. Attention to properly sealing polyethylene wraps around valves and piping will avoid water intrusion which would allow water to pool against metals. Above ground structures should not have cupped or flat surfaces that will pond water after rain or irrigation events.

Buildings typically have swales when constructed to drain water away from buildings directing it towards an acceptable exit point such as a driveway where it continues draining to a local storm drain. Many homeowners, landscapers and flatwork contractors appear to not be aware of this and destroy swales during remodeling. The majority of garage floor and finished grade elevations are governed by drainage during design.

5.4.3 Avoiding Crevices

Crevices are excellent locations for oxygen differential induced corrosion cells to begin. Crevices can also harbor corrosive bacteria even in the most chemically treated waters. If

water's total alkalinity is low, its ability to maintain a stable pH can also become more difficult within a crevice allowing the pH to drop to acidic levels continuing a pitting process.

5.4.4 Coatings and Cathodic Protection

When faced with a corrosive environment, the best defense against corrosion is removing the electrolyte from the corrosion cell by applying coatings to separate the metal from the soil. During construction and installation, there is always some scratch or damage made to a coating. NACE training recommends that coatings be used as a first line of defense and that sacrificial or impressed current cathodic protection is used as a 2nd line of defense to protect the scratched areas. Use of a good coating dramatically reduces the amount of anodes a CP system would need. If CP is not installed as a 2nd line of defense in an extremely corrosive environment, the small scratched zones will suffer accelerated corrosion. CP details such as anode installation instructions must be designed by corrosion engineers on a per project basis because it depends on soil resistivity, surface area of infrastructure to be protected, and system geometry.

There are two types of cathodic protection systems, a Galvanic Anode Cathodic Protection (GACP) system and an Impressed Current Cathodic Protection (ICCP) system. A Galvanic Anode Cathodic Protection (GACP) system is simpler to install and maintain than an Impressed Current Cathodic Protection (ICCP) system. To protect the metals, they must all be electrically continuous to each other. In a GACP system, sacrificial zinc or magnesium anodes are then buried at locations per the CP design and connected by wire to a structure at various points in system. At the connection points, a wire connecting to the structure and the wire from the anode are joined in a Cathodic Protection Test Station hand hole which looks similar in size and shape to an irrigation valve pull box. By coating the underground structures, one can reduce the number of anodes needed to provide cathodic protection by 80% in many instances.

An ICCP system requires a power source, a rectifier, significantly more trenching, and more expensive type anodes. These systems are typically specified when bare metal is requiring protection in severely corrosive environments in which galvanic anodes do not provide enough power to polarize infrastructure to -850 mV structure-to-soil potential or be able to create a 100 mV potential shift as required by NACE SP169 to control corrosion. In severely corrosive environments, a GACP system simply may not last a required lifetime due to the high rate of consumption of the sacrificial anodes. ICCP system rectifiers must be inspected and adjusted quarterly or at a minimum bi-annually per NACE recommendations. Different anode installations may be possible but for large sites, anodes are placed evenly throughout the site and all anode wires must be trenched to the rectifier. For a large site, it may be beneficial to use two or more rectifiers to reduce wire lengths or trenching.

To simplify, a GACP system can be installed and practically forgotten with minor trenching because the anodes can be installed very close to the structures. An ICCP system must be inspected annually and anode wires run back to the rectifier which itself connects to the pile system. If any type of trenching or development is expected to occur at the site during the life of the site, it is a good idea to inspect the anode connections once a year to make sure wires are not cut and that the infrastructure is still being provided adequate protection. A common situation that occurs with ICCP systems is that a contractor accidently cuts the wires during construction then reconnects them incorrectly, turning the once cathode, into a sacrificing anode.

Design of a cathodic protection system requires that Wenner Four Pin ground resistance measurements per ASTM G57 be performed by corrosion engineers at various locations of the site to determine the best depths and locations for anode installations. Ideally, a sample pile is installed and experiments determining current requirement are conducted. Using this data, the decision is made whether a GACP system is feasible or if an ICCP must be used.

Project X Corrosion Engineers can provide a proposal for cathodic protection design and field work if needed.

5.4.4.1 Good Electrical Continuity

In order for cathodic protection to protect a long pipeline or system of pipes, they must all be electrically continuous to each other so that the electric current from the anode can travel along the pipes, then return through the earth to the anode. Electrical continuity is achieved by welding or pin brazing #8 AWG copper strand bond cable to the end of pipe sticks which have rubber gaskets at bell and spigots. If steel pipes are joined by full weld, bonding wires are not needed.

Electrical continuity between dissimilar metals is not desirable. Isolation joints or di-electric unions should be installed between dissimilar metals, such as steel pipes connecting to a brass valve. Bonding wires should then be welded onto the steel pipes by-passing the brass valve so that the cathodic protection system's current can continue to travel. Another option would be to provide a separate cathodic protection system for steel pipes on both sides of the brass valve.

Typically, gas meters and water meters have dielectric unions installed in them to separate utility property from homeowner property. This also protects them in the case that a home owner somehow electrically connects water pipes or gas pipes to a neighborhood electrical grounding system which can potentially have less noble steel in soil now connected to much more noble copper in soil which will then create a corrosion cell. This is exactly how a lemon powered clock works when a galvanized zinc nail and a steel nail are inserted into a lemon then connected to a clock. The clock is powered by the corrosion cell created.

5.4.4.2 Bad Electrical Continuity

Bad electrical continuity is when two different materials or systems are made electrically continuous (aka shorted) when they were not designed to be electrically continuous. Examples of this would be when gas lines are shorted to water lines or to electrical grounding beds. Very often, fire risers are shorted to electrical grounding systems, and water pipes at business parks. Since fire risers usually have a very short ductile iron pipe in the ground which connects to PVC pipe systems, they tend to experience leaks after 7 to 10 years of being attacked by underground copper systems.

It is absolutely imperative that any copper water piping or other metal conduits penetrating cement slab or footings, not come in contact with the reinforcing steel or post-tensioning tendons to avoid creation of galvanic corrosion cells.

5.4.4.3 Corrosion Test Stations

Corrosion test stations should be installed every 1,000 feet along pipelines in order to measure corrosion activity in the future. For a simple pipeline, two #8 AWG copper strand bond cable welded or pin brazed onto the pipeline are run up to finished grade and left in a hand hole. Corrosion test stations are used to measure pipe-to-soil electro potential relative to a copper

copper-sulfate reference electrode to determine if the pipe is experiencing significant corrosion activity. By measuring test stations along a pipeline, hot spots can be determined, if any. The wires also allow for electrical continuity testing, condition assessment, and a multitude of other types of tests.

At isolation joints and pipe casings, two wires should be welded to either side of the isolation joint for a total of 4 wires to be brought up to the hand hole. This allows for future tests of the isolation joint, casing separation confirmation, and pipe-to-soil potential readings during corrosion surveys.

5.4.5 Excess Flux in Plumbing

Investigations of internal corrosion of domestic water plumbing systems almost always finds excess flux to be the cause of internal pitting of copper pipes. Some people believe that there is no such thing as too much flux. Flux runs have been observed to travel up to 20 feet with pitting occurring along the flux run. Flushing a soldered plumbing system with hot water for 15 minutes can remove significant amounts of excess flux left in the pipes. If a plumbing system is expected to be stagnant for some time, it should be drained to avoid stagnant water conditions that can lead to pitting and dezincification of yellow brasses.

5.4.6 Landscapers and Irrigation Sprinkler Systems

A significant amount of corrosion of fences is due to landscaper tools scratching fence coatings and irrigation sprinklers spraying these damaged fences. Recycled water typically has a higher salt content than potable drinking water, meaning that it is more corrosive than regular tap water. The same risk from damage and water spray exists for above ground pipe valves and backflow preventers. Fiber glass covers, cages, and cement footings have worked well to keep tools at an arm's length.

5.4.7 Roof Drainage splash zones

Unbelievably, even the location where your roof drain splashes down can matter. We have seen drainage from a home's roof valley fall directly down onto a gas meter causing it's piping to corrode at an accelerated rate reaching 50% wall thickness within 4 years. It is the same effect as a splash zone in the ocean or in a pool which has a lot of oxygen and agitation that can remove material as it corrodes.

5.4.8 Stray Current Sources

Stray currents which cause material loss when jumping off of metals may originate from direct-current distribution lines, substations, or street railway systems, etc., and flow into a pipe system or other steel structure. Alternating currents may occasionally cause corrosion. The corrosion resulting from stray currents (external sources) is similar to that from galvanic cells (which generate their own current) but different remedial measures may be indicated. In the electrolyte and at the metal-electrolyte interfaces, chemical and electrical reactions occur and are the same as those in the galvanic cell; specifically, the corroding metal is again considered to be the anode from which current leaves to flow to the cathode. Soil and water characteristics affect the corrosion rate in the same manner as with galvanic-type corrosion.

However, stray current strengths may be much higher than those produced by galvanic cells and, as a consequence, corrosion may be much more rapid. Another difference between galvanic-type currents and stray currents is that the latter are more likely to operate over long distances since the anode and cathode are more likely to be remotely separated from one another. Seeking the path of least resistance, the stray current from a foreign installation may travel along a pipeline causing severe corrosion where it leaves the line. Knowing when stray currents are present becomes highly important when remedial measures are undertaken since a simple sacrificial anode system is likely to be ineffectual in preventing corrosion under such circumstances.[10] Stray currents can be avoided by installing proper electrical shielding, installation of isolation joints, or installation of sacrificial jump off anodes at crossings near protected structures such as metal gas pipelines or electrical feeders

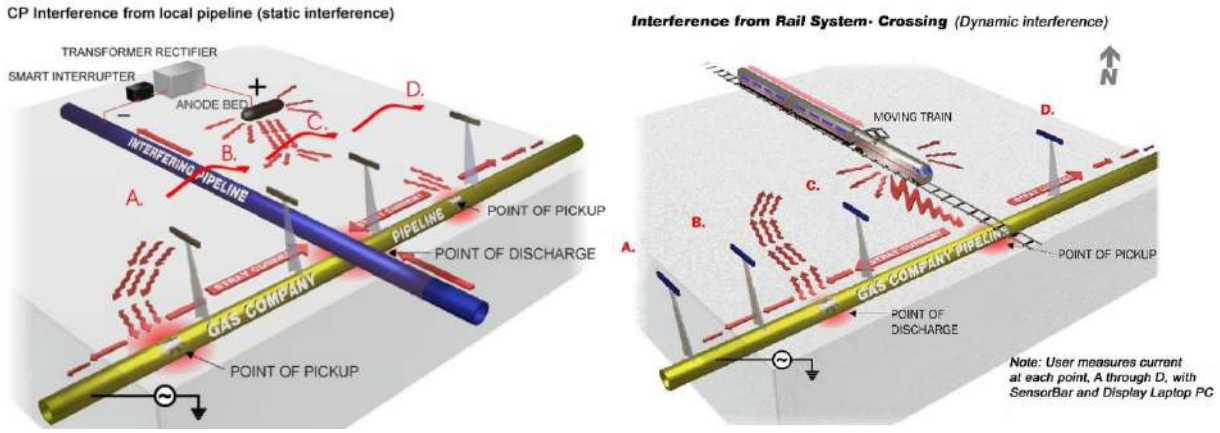


Figure 4 Examples of Stray Current[11]

[10] http://corrosion-doctors.org/StrayCurrent/Introduction.htm

[11] http://www.eastcomassoc.com/

S180612A Geotechno - 20489 - 3 Full + Rpt

Project X
Corrosion Engineering
Corrosion Control - Soil, Water, and Metallurgy Lab

Lab Request Sheet Chain of Custody
Phone: (213) 928-7213 · Fax (951) 226-1720 · www.projectxcorrosion.com
Ship Samples To: 29970 Technology Dr, Suite 105F, Murrieta, CA 92563

IMPORTANT: Please complete Project and Sample Identification Data as you would like it to appear in report & include this form with samples.

Project X Job #:	
Date:	

Company Name:	Geotechnologies, Inc	Contact Name:	Reinard Knur
Mailing Address:	439 Western Avenue	Phone No. :	818 890 9600
Accounting Contact:	Deanne	Contact Email:	rknur@geoteg.com.
Project Name:	Aragon - Sunset.	Invoice Email:	
Client Project No:	20489	P.O. #:	

	5 Day Normal	3 Day RUSH 75% mark-up	2 Day RUSH 100% mark-up
Turn Around Time:			

Results By: ☐ Phone ☐ Fax ☑ Email ☐ Mail ☐ Overnight Mail (charges apply)

Received by: | Default Method

SPECIAL INSTRUCTIONS:

	SAMPLE ID - BORE #	DESCRIPTION	DEPTH (ft)	DATE COLLECTED
50	A	Northend of Site	Ground Surface	6/9
51	B	center of Site	5'	11
52	C	South End of Site	10'	11
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				

ANALYSIS REQUESTED (Please circle)

CORROSION SERIES ✓	Soil Resistivity	pH	Sulfate	Chloride	Redox Potential	BiCarbonate	Alkalinity	Acidity	Nitrate	Ammonia	Sulfide	Moisture Content	Soil Corrosivity Evaluation Report	Metallurgical Analysis
Min. Resistivity, Sulfate, Chloride, Sulfide, Redox, pH, Ammonia, Nitrate.	ASTM G187 AASHTO T288 Caltrans CTM643	ASTM G 51 AASHTO T 289 Caltrans CTM643	ASTM D516 AASHTO T 290 Caltrans CTM417	ASTM D512B AASHTO T 291 Caltrans CTM422	SM 2580B	SM 2320B	SM 2320B	SM 2510B	Hach 835 SM 4500-NO3	Hach 830 SM 4500-NH3	SM 4500-S2 SM 4500-S2	ASTM D2216			

NOTES: + Report

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201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

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GENERAL MANAGER
SUPERINTENDENT OF BUILDING

JOHN WEIGHT
EXECUTIVE OFFICER

GEOLOGY AND SOILS REPORT REVIEW LETTER

October 17, 2023

LOG # 127750
SOILS/GEOLOGY FILE - 2

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, CA 90026
Attn: Jeff Farrington

TRACT: TT 72553
LOT(S): 1,2, 5, 7,9,11,13, 15, 17,19, 21,and 23
LOCATION: 1185 W Sunset Blvd.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Geology/Soils Report	20489	09/06/2023	Geotechnologies, Inc.
Oversized Document	``	``	``

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Geology/Soils Report	20489	03/04/2014	Geotechnologies, Inc.
Geology/Soils Report	20489	04/09/2013	Geotechnologies, Inc.

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated September 6, 2023, that provides recommendations for the proposed new apartment complex, retaining walls, Mat Foundations, waterproofing, and dewatering of groundwater, as depicted on the oversized Geologic Map and Geologic Cross Sections A-A' through G-G', . The consultants report that the proposed project is seven stories in height with one to two levels of subterranean parking. Proposed retaining walls are estimated to range up to 30 feet high. Topographic relief across the site is 95 feet from highest to lowest points. Prior to development along Sunset Blvd. the westerly descending slope was up to 70 feet high and at an approximate

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gradient of 4(H):1(V), afterwards, the slope was 45 feet high at an approximate gradient of 1(H):1(V). Tiebacks and shoring are proposed to support excavations.

The Grading Division of the Department of Building and Safety has reviewed the 09/10/2014 report prepared by Geotechnologies in response to 3rd party review comments presented in the 08/04/2014 letter prepared by Wilson Geosciences and Geo-Dynamics (with a cover letter dated 08/05/2014 by Hoover Tang), regarding surface fault rupture, slope stability analysis, groundwater seepage, and expansive soils.

The consultants performed numerous exploratory excavations, upwards of 30 test pits and 13 borings, from 2006, 2013, and 2016. In 2004, the previous consultant Petra excavated several test pits and hollow stem and bucket auger borings. The earth materials at the subsurface exploration locations consist of fill, from 0.5 to 18.5 feet thick, alluvium from 2 to 9 feet thick, colluvium from 3 to 6 feet thick, underlain by well bedded interbedded sandstone and siltstone Puente Formation Bedrock to a depth of 60 feet. Regional Bedrock bedding is uniform in the area of the subject site, where bedrock dips to the south and southwest ranging from 20 to 50 degrees. The regional geologic structure matches that of the subsurface exploratory excavations.

The consultants' report that groundwater was encountered in all the borings drilled along Sunset Blvd. The groundwater surface appears to descend to the south, down Sunset Blvd. In general groundwater is approximately 9 feet below the ground surface. The water is identified in the alluvium and in the joints and fractures of the bedrock. The ground water level is above the proposed basement finish floor elevation at both ends of the site. Based on the consultants review of the local Seismic Hazard Report, historic high ground water is approximately 20 feet below the ground surface. The consultants note that water seepage into the excavations will occur primarily at the alluvium-bedrock contact, along Sunset Blvd. The water will occur along a distinct zone above the contact. Some seepage may occur through fractures in the rock and along the bedding planes in deeper excavations near Sunset Blvd. .

In the consultants borings excavated in 2006, Boring B-2 (2006), seepage was encountered from 9 to 15 feet, with standing water at 14 feet. In Boring B-3 (2006), seepage was encountered from 15 to 25 feet, with standing water at 15 feet. In Boring B-4 (2006), seepage was encountered from 12 to 20 feet, with standing water at 12 feet. In Boring B-5 (2006), seepage was encountered from 9.5 to 10 feet. In Boring B-6 (2006), seepage was encountered from 11.5 to 12 feet.

In the consultants Borings excavated in 2013, Boring B-1 (2013), groundwater was encountered at 17.5 feet below the ground surface. Boring B-2(2013), groundwater was encountered at 17 feet below the ground surface. Boring B-3 (2013), groundwater was encountered at 9.5 feet below the ground surface. Boring B-4 (2013), no groundwater was encountered to the maximum depth explored of 60 feet below the ground surface.

In the consultants borings excavated in 2016, Boring B-5 (2016), seepage was encountered at 9 and 12 feet below the ground surface, with groundwater at 19 feet. In Boring B-6 (2016), seepage was encountered at 11.5 feet below the ground surface. In Boring B-7 (2016), seepage was encountered at 12 feet below the ground surface.

The subject site is not in an area zoned by the State as potentially liquefiable. This determination is based on groundwater depth records, soil type, and distance to a fault capable of producing a substantial earthquake. The proposed structure will be supported in the siltstone bedrock of the Puente Formation. The consultants note that this bedrock will not liquefy due to its moderately hard consistency and it's long tectonic history.

The consultants recommend to support the proposed structure(s) on conventional, mat, and/or drilled-pile foundations bearing on competent bedrock.

The review of the subject report dated August 28, 2023, cannot be completed at this time and will be continued upon submittal of an addendum to the report which shall include, but not be limited to, the following:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2023 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The Plot Plan provided by the consultants' does not clearly depict the number of lots of the proposed development. Provide a revised Plot Plan that clearly depicted and provides the number of lots of the proposed development.

2. Proposed cut slope depicted on the Plot Plan / Site Plan does not match the proposed cut slopes depicted on the geologic cross sections. Please revise the Plot Plan or sections where the proposed cut slope is depicted.

3. Cross Sections B-B', E-E', F-F', and G-G' do not appear to provide the Code required setback of the proposed building from the toe of the ascending slope (1808.7.1). Provide revised Geologic Cross Sections that clearly depict the Code required setback.

4. The consultants' note on page 23 of the September 6, 2023, referenced report, "*Clarification of the required setback for the existing cut shown on Cross Section E-E' shall be obtained from the Building Official*" The consultants shall clarify non -conforming conditions on the Cross Section E-E'. No vertical cuts are allowed to remain unsupported.

5. The consultants note on page 2 of the September 6, 2023, referenced report that "*The presence of uncertified fill at the southern end of the structure will require removal and recompaction.*" Clarify the location of the proposed removal and recompaction on the oversized Geologic Map and Geologic Cross Sections, where appropriate. Specify the location of the excavation for the subterranean building versus the location of the removal and recompaction of the fill.

6. The consultants' note on page 49 of the September 6, 2023, referenced report where they state that "*Excavations on the order of 65 feet in vertical height will be required for the subterranean levels.*" Clarify the location and extent of this excavation as cross sections only depict a vertical excavation of 45 feet.

7. Considering the depth of fill at the subject site varies from zero to 18.5 feet thick, justify the use of the Site Class C at the subject site.

8. Provide dewatering recommendations as required on pages 50 and 51 of the referenced report.

9. Evaluate the impacts of dewatering (temporary or permanent) on adjacent properties / structures.

10. Permanent tiebacks are not approved. Revise recommendations accordingly.

11. The consultants used soldier piles in slope stability analysis to improve factor of safety. Provide a diagram and a summary table identifying the design earth pressures, depth of active pressure and the depth to passive pressure for the proposed stabilization piles.

The project engineering geologist and soils engineer shall prepare a report containing an itemized response to the review items indicated in this letter. If clarification concerning the review letter is necessary, the report review engineer and/or geologist may be contacted. Two copies of the response report, including one unbound wet-signed original for archiving purposes, a pdf-copy of the complete report in a flash drive, and the appropriate fees will be required for submittal.

JEFFREY T. WILSON
Engineering Geologist I

YING LIU
Geotechnical Engineer II

JTW/YL:jtw/yl
Log No. 127750
213-482-0480

cc: Geotechnologies, Inc., Project Consultant
LA District Office

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
Grading Division

District	LA	Log No.	127750

APPLICATION FOR REVIEW OF TECHNICAL REPORTS

INSTRUCTIONS

A. Address all communications to the Grading Division, LADBS, 201 N. Figueroa St., 3rd Fl., Los Angeles, CA 90012 Telephone No. (213)482-0480.
B. Submit two copies (three for subdivisions) of reports, one "pdf" copy of the report on a CD-Rom or flash drive, and one copy of application with items "1" through "10" completed.
C. Check should be made to the City of Los Angeles.

1. LEGAL DESCRIPTION
Tract: ANGELENO HEIGHTS
Block: 31 Lots: 1
3. OWNER: Aragon (Sunset/Everett) Properties Corp.
Address: 1750 Glendale Boulevard, Suite 102
City: Los Angeles Zip: 90026
Phone (Daytime):

2. PROJECT ADDRESS: 1185 West Sunset Boulevard, Los Angeles
4. APPLICANT Geotechnologies, Inc.
Address: 439 Western Avenue
City: Glendale, CA Zip: 91201
Phone (Daytime): (818) 240-9600
E-mail address: Pymt:accounting@geoteq.com;Eng:rknur@geoteq.com

5. Report(s) Prepared by: Geotechnologies, Inc. (File No. 20489)
6. Report Date(s): September 6, 2023

7. Status of project: ☑ Proposed ☐ Under Construction ☐ Storm Damage
8. Previous site reports? ☑ YES if yes, give date(s) of report(s) and name of company who prepared report(s)
6/24/14;3/4/14;5/22/14;9/10/14;5/15/17;6/25/18 Geotechnologies Inc.
9. Previous Department actions? ☑ YES if yes, provide dates and attach a copy to expedite processing.
Dates: 03-13-14 (Log # 83257; 06-24-14 (Log # 83257-01); 09-23-14 (Log # 85606)
10. Applicant Signature: Position:

(DEPARTMENT USE ONLY)

REVIEW REQUESTED	FEES	REVIEW REQUESTED	FEES
☐ Soils Engineering		No. of Lots	
☐ Geology		No. of Acres	
☒ Combined Soils Engr. & Geol.	726.00	☐ Division of Land	
☐ Supplemental		Other	
☐ Combined Supplemental		☒ Expedite	363.00
☐ Import-Export Route		☐ Response to Correction	
Cubic Yards:		☐ Expedite ONLY	
		Sub-total	1089.00
		One-Stop Surcharge	249.58
		TOTAL FEE	1338.58

Fee Due: 1338.58
Fee Verified By: LM Date: 9/11/23
(Cashier Use Only)
166928 9/11/23

ACTION BY:
THE REPORT IS: ☐ NOT APPROVED
☐ APPROVED WITH CONDITIONS ☐ BELOW ☐ ATTACHED

For Geology Date
For Soils Date

Geotechnologies, Inc.
Consulting Geotechnical Engineers
439 Western Avenue
Glendale, California 91201-2837
818.240.9600 • Fax 818.240.9675

December 6, 2023
File No. 20489

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, California 90026

Attention: Jeff Farrington

Subject: Response to City of Los Angeles Soils Report Review Letter
Proposed Apartment Complex
1185 West Sunset Boulevard, Los Angeles, California

References: *Report by Geotechnologies, Inc.:*
Updated Geotechnical Engineering Investigation, dated September 6, 2023.

City of Los Angeles Department of Building and Safety Correspondence:
Soils Report Review Letter, Log # 127750, dated October 17, 2023.

Dear Mr. Farrington:

This firm is in receipt of the referenced Soils Report Review Letter, dated October 17, 2023, issued by the City of Los Angeles, Department of Building and Safety. Therein, several comments are made which require input from this office. The comments are repeated below and the response immediately follows. A copy of the review letter has been enclosed for reference.

Comment 1: *The Plot Plan provided by the consultants' does not clearly depict the number of lots of the proposed development. Provide a revised Plot Plan that clearly depicted and provides the number of lots of the proposed development.*

Response: The Plot Plan has been annotated to show the individual lot labels within the site boundaries.

Comment 2: *Proposed cut slope depicted on the Plot Plan/Site Plan does not match the proposed cut slopes depicted on the geologic cross sections. Please revise the Plot Plan or sections where the proposed cut slope is depicted.*

Response: The Geologic Map shows the location of the cross sections. The cross sections have been edited to show the existing topography and the proposed cuts. The Plot Plan depicts the same details as the Geologic Map.

Comment 3: *Cross Sections B-B', E-E', F-F', and G-G' do not appear to provide the Code required setback of the proposed building from the toe of the ascending slope (1808.7.1). Provide revised Geologic Cross Sections that clearly depict the Code required setback.*

Response: The required setback corresponds to a horizontal distance equal to one-half of the vertical height of the slope above the retaining wall, with a minimum distance of 3 feet and a maximum distance of 15 feet. The setback is created by the terrace cut at elevation 439.5 feet and is 15 feet in width. The terrace is shown on the Plot Plan, Geologic Map and cross sections.

Comment 4: *The consultants' note on page 23 of the September 6, 2023, referenced report, "Clarification of the required setback for the existing cut shown on Cross Section E-E' shall be obtained from the Building Official" The consultants shall clarify non -conforming conditions on the Cross Section E-E'. No vertical cuts are allowed to remain unsupported.*

Response: The toe of slope setback will be 15 feet. All vertical cuts will be supported with a retaining wall. No non-conforming cuts are proposed. Additional clarification from the building official is not required.

Comment 5: *The consultants note on page 2 of the September 6, 2023, referenced report that "The presence of uncertified fill at the southern end of the structure will require removal and recompaction." Clarify the location of the proposed removal and recompaction on the oversized Geologic Map and Geologic Cross Sections, where appropriate. Specify the location of the excavation for the subterranean building versus the location of the removal and recompaction of the fill.*

Response: Where fill soil is located below the subgrade elevation, the fill will be left in place. Footings will be deepened appropriately or friction piles will be used. Removal and recompaction of soils below the proposed structure will not be performed. A structural slab will be constructed if existing fill will be left in place.

Comment 6: *The consultants' note on page 49 of the September 6, 2023, referenced report where they state that "Excavations on the order of 65 feet in vertical height will be required for the subterranean levels." Clarify the location and extent of this excavation as cross sections only depict a vertical excavation of 45 feet.*

Response: Since the preparation of the September 6, 2023 report, the basement finish floor elevation on the north side of the site has been redesigned from 407.75 feet to 418 feet. Excavations on the order of 49 feet deep (including foundations) are anticipated along Cross Sections G-G' and E-E'. The highest vertical cut is anticipated to be 44 feet (including foundations) and will be on the north side of the site as shown on Cross Section H-H'

Comment 7: *Considering the depth of fill at the subject site varies from zero to 18.5 feet thick, justify the use of the Site Class C at the subject site.*

Response: The Puente Formation Bedrock underlies the site and consists of moderately hard siltstone and sandstone is considered to be Site Class C bearing material.

Where deep fill occurs, either deepened foundations or friction piles bearing in the bedrock will be used. All of the proposed structure foundations will bear in the Puente Formation siltstone and sandstone bedrock.

Comment 8: *Provide dewatering recommendations as required on pages 50 and 51 of the referenced report.*

Response: The referenced dewatering recommendations read as follows:

The dewatering recommendations on pages Temporary dewatering should be installed as necessary. Temporary dewatering should consist of gravel-filled drainage trenches leading to a sump area. The collected water should be pumped to an acceptable disposal area.

Dewatering wells may also be considered. An experienced dewatering contractor should be consulted for dewatering system design.

This firm recommends the use of gravel-filled trenches to capture water seepage as it enters the excavation. The location and design of the system may be determined during grading by the general contractor. Water disposal must be addressed by the contractor. As stated in the response to Comment 6, the northern basement subgrade elevation has been raised from 407 to 418 feet. Deeper dewatering wells will not be necessary.

Comment 9: *Evaluate the impacts of dewatering (temporary or permanent) on adjacent properties / structures.*

Response: Only nuisance water will be captured during construction. A formal dewatering program will not be necessary. The basement walls will be drained conventionally.

Water occurs in the alluvial soils in a layer that extends a few feet above the alluvium-bedrock contact. Water will be drawn from this layer and from the sandstone beds and from the fractures of the rock. Due to the ephemeral occurrence of water in the alluvium layer, the layer has been subjected to multiple cycles of saturation and draining in the past. Ground surface settlement is not anticipated during temporary dewatering. As water is drawn from the bedrock sandstone beds

and fractures, the bedrock is not anticipated to settle as a result of it's long tectonic history.

Comment 10: *Permanent tiebacks are not approved. Revise recommendations accordingly.*

Response: Permanent tiebacks are not being considered for the proposed project. However, permanent cantilevered shoring may be considered.

Comment 11: *The consultants used soldier piles in slope stability analysis to improve factor of safety. Provide a diagram and a summary table identifying the design earth pressures, depth of active pressure and the depth to passive pressure for the proposed stabilization piles.*

Response: In the Geotechnical Engineering Investigation dated September 6, 2023, the slope stability analysis on Cross Section B-B' was performed as two separate analyses, an upper analysis to assess the pile stability and a lower analysis to assess the tieback stability. For this response, the upper stability analysis was rerun to identify the loads on the cantilevered shoring pile. The analysis is attached. A screen shot was taken of the support force diagram showing the resistance of the pile with depth for the pseudostatic conditions for both the curved and the block analyses. Table 1- Loads on Pile Based Relative to depth At Cross Section B-B' (Pseudostatic Analysis, Upper Slope) is based on the screen shot, and is presented for clarity.

Geotechnologies, Inc. appreciates the opportunity to provide our services on this project. Should you have any questions please contact this office.

Respectfully submitted,
GEOTECHNOLOGIES, INC.

REINARD T. KNUR
G.E. 2755/C.E.G. 1547

RTK:kk

Enclosures: Soils Report Review Letter dated October 17, 2023 (4 pages)
Plot Plan
Geologic Map
Cross Section A-A'
Cross Section B-B'
Cross Section C-C'
Cross Section D-D'
Cross Section E-E'
Cross Section F-F'
Cross Section G-G'
Cross Section H-H'
SLIDE Printouts (63 pages)
Support Force Diagram Images From SLIDE (2 pages)
Table 1, Loads on Pile Based Relative to depth At Cross Section B-B' (1 page)

Distribution: (1) Addressee
(2) City of Los Angeles, Department of Building and Safety

E-Mail to: [Jfarrington@aragon.ca], Attn: Jeffrey Farrington
[emoy@aragon.ca], Attn: Evan Moy
[lmoy@aragon.ca], Attn: Lenny Moy
[lramsay@aragon.ca], Attn: Luke Ramsay

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LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E.
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GEOLOGY AND SOILS REPORT REVIEW LETTER

October 17, 2023

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Geology/Soils Report	20489	03/04/2014	Geotechnologies, Inc.
Geology/Soils Report	20489	04/09/2013	Geotechnologies, Inc.

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated September 6, 2023, that provides recommendations for the proposed new apartment complex, retaining walls, Mat Foundations, waterproofing, and dewatering of groundwater, as depicted on the oversized Geologic Map and Geologic Cross Sections A-A' through G-G', . The consultants report that the proposed project is seven stories in height with one to two levels of subterranean parking. Proposed retaining walls are estimated to range up to 30 feet high. Topographic relief across the site is 95 feet from highest to lowest points. Prior to development along Sunset Blvd. the westerly descending slope was up to 70 feet high and at an approximate

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

gradient of 4(H):1(V), afterwards, the slope was 45 feet high at an approximate gradient of 1(H):1(V). Tiebacks and shoring are proposed to support excavations.

The Grading Division of the Department of Building and Safety has reviewed the 09/10/2014 report prepared by Geotechnologies in response to 3rd party review comments presented in the 08/04/2014 letter prepared by Wilson Geosciences and Geo-Dynamics (with a cover letter dated 08/05/2014 by Hoover Tang), regarding surface fault rupture, slope stability analysis, groundwater seepage, and expansive soils.

The consultants performed numerous exploratory excavations, upwards of 30 test pits and 13 borings, from 2006, 2013, and 2016. In 2004, the previous consultant Petra excavated several test pits and hollow stem and bucket auger borings. The earth materials at the subsurface exploration locations consist of fill, from 0.5 to 18.5 feet thick, alluvium from 2 to 9 feet thick, colluvium from 3 to 6 feet thick, underlain by well bedded interbedded sandstone and siltstone Puente Formation Bedrock to a depth of 60 feet. Regional Bedrock bedding is uniform in the area of the subject site, where bedrock dips to the south and southwest ranging from 20 to 50 degrees. The regional geologic structure matches that of the subsurface exploratory excavations.

The consultants' report that groundwater was encountered in all the borings drilled along Sunset Blvd. The groundwater surface appears to descend to the south, down Sunset Blvd. In general groundwater is approximately 9 feet below the ground surface. The water is identified in the alluvium and in the joints and fractures of the bedrock. The ground water level is above the proposed basement finish floor elevation at both ends of the site. Based on the consultants review of the local Seismic Hazard Report, historic high ground water is approximately 20 feet below the ground surface. The consultants note that water seepage into the excavations will occur primarily at the alluvium-bedrock contact, along Sunset Blvd. The water will occur along a distinct zone above the contact. Some seepage may occur through fractures in the rock and along the bedding planes in deeper excavations near Sunset Blvd. .

In the consultants borings excavated in 2006, Boring B-2 (2006), seepage was encountered from 9 to 15 feet, with standing water at 14 feet. In Boring B-3 (2006), seepage was encountered from 15 to 25 feet, with standing water at 15 feet. In Boring B-4 (2006), seepage was encountered from 12 to 20 feet, with standing water at 12 feet. In Boring B-5 (2006), seepage was encountered from 9.5 to 10 feet. In Boring B-6 (2006), seepage was encountered from 11.5 to 12 feet.

In the consultants Borings excavated in 2013, Boring B-1 (2013), groundwater was encountered at 17.5 feet below the ground surface. Boring B-2(2013), groundwater was encountered at 17 feet below the ground surface. Boring B-3 (2013), groundwater was encountered at 9.5 feet below the ground surface. Boring B-4 (2013), no groundwater was encountered to the maximum depth explored of 60 feet below the ground surface.

In the consultants borings excavated in 2016, Boring B-5 (2016), seepage was encountered at 9 and 12 feet below the ground surface, with groundwater at 19 feet. In Boring B-6 (2016), seepage was encountered at 11.5 feet below the ground surface. In Boring B-7 (2016), seepage was encountered at 12 feet below the ground surface.

The subject site is not in an area zoned by the State as potentially liquefiable. This determination is based on groundwater depth records, soil type, and distance to a fault capable of producing a substantial earthquake. The proposed structure will be supported in the siltstone bedrock of the Puente Formation. The consultants note that this bedrock will not liquefy due to its moderately hard consistency and it's long tectonic history.

The consultants recommend to support the proposed structure(s) on conventional, mat, and/or drilled-pile foundations bearing on competent bedrock.

The review of the subject report dated August 28, 2023, cannot be completed at this time and will be continued upon submittal of an addendum to the report which shall include, but not be limited to, the following:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2023 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The Plot Plan provided by the consultants' does not clearly depict the number of lots of the proposed development. Provide a revised Plot Plan that clearly depicted and provides the number of lots of the proposed development.

2. Proposed cut slope depicted on the Plot Plan / Site Plan does not match the proposed cut slopes depicted on the geologic cross sections. Please revise the Plot Plan or sections where the proposed cut slope is depicted.

3. Cross Sections B-B', E-E', F-F', and G-G' do not appear to provide the Code required setback of the proposed building from the toe of the ascending slope (1808.7.1). Provide revised Geologic Cross Sections that clearly depict the Code required setback.

4. The consultants' note on page 23 of the September 6, 2023, referenced report, "*Clarification of the required setback for the existing cut shown on Cross Section E-E' shall be obtained from the Building Official*" The consultants shall clarify non -conforming conditions on the Cross Section E-E'. No vertical cuts are allowed to remain unsupported.

5. The consultants note on page 2 of the September 6, 2023, referenced report that "*The presence of uncertified fill at the southern end of the structure will require removal and recompaction.*" Clarify the location of the proposed removal and recompaction on the oversized Geologic Map and Geologic Cross Sections, where appropriate. Specify the location of the excavation for the subterranean building versus the location of the removal and recompaction of the fill.

6. The consultants' note on page 49 of the September 6, 2023, referenced report where they state that "*Excavations on the order of 65 feet in vertical height will be required for the subterranean levels.*" Clarify the location and extent of this excavation as cross sections only depict a vertical excavation of 45 feet.

7. Considering the depth of fill at the subject site varies from zero to 18.5 feet thick, justify the use of the Site Class C at the subject site.

8. Provide dewatering recommendations as required on pages 50 and 51 of the referenced report.

9. Evaluate the impacts of dewatering (temporary or permanent) on adjacent properties / structures.

10. Permanent tiebacks are not approved. Revise recommendations accordingly.

11. The consultants used soldier piles in slope stability analysis to improve factor of safety. Provide a diagram and a summary table identifying the design earth pressures, depth of active pressure and the depth to passive pressure for the proposed stabilization piles.

The project engineering geologist and soils engineer shall prepare a report containing an itemized response to the review items indicated in this letter. If clarification concerning the review letter is necessary, the report review engineer and/or geologist may be contacted. Two copies of the response report, including one unbound wet-signed original for archiving purposes, a pdf-copy of the complete report in a flash drive, and the appropriate fees will be required for submittal.

JEFFREY T. WILSON
Engineering Geologist I

YING LIU
Geotechnical Engineer II

JTW/YL:jtw/yl
Log No. 127750
213-482-0480

cc: Geotechnologies, Inc., Project Consultant
LA District Office

LEGEND

- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017 FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- EXISTING STRUCTURE
- DEMOLISHED STRUCTURE
- SUBJECT SITE

SUBJECT SITE
PROPOSED CUT SLOPE
PROPOSED STRUCTURE
F.F.E. = 439.5'
F.F.E. = 418'
F.F.E. = 427'
F.F.E. = 411'
F.F.E. = 439.5'
F.F.E. = 407.75'
F.F.E. = 400'
F.F.E. = 411'
RAMP
LOT 24
LOT 23
LOT 22
LOT 21
LOT 20
LOT 19
LOT 18
LOT 17
LOT 16
LOT 15
LOT 14
LOT 13
LOT 12
LOT 11
LOT 10
LOT 9
LOT 8
LOT 7
LOT 6
LOT 5
LOT 4
LOT 3
LOT 2
LOT 1
EVERETT STREET
W SUNSET BLVD
MARION AVE
CLEARWATER CREEK
KEEP KEEP RIVER
Conc.
Asph.
DBS.

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

SCALE IN FEET
0 20 40 60 120

PLOT PLAN

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2016)

B4 (elev. 478')	B4 (cont.)	B4 (cont.)	B4 (cont.)	B5 (elev. 412')	B6 (elev. 412')	B7 (elev. 411')	TP7 (elev. 468')	TP8 (elev. 447')
0-4' af 4 - 60' Tp @ 7.6' @ 10.2' @ 12.4' @ 13.4'	@ 15.6' @ 17.1' @ 21.0' @ 23.4' @ 25.1'	@ 27.7" @ 29.9' @ 32.9' @ 33.9' @ 40.8'	@ 43.8' @ 49.0' @ 52.6' No Seepage	0-0.8' af 0.8-20' Tp @ 4.0' @ 7.0' @ 11.0' @ 14.4' @ 9' and 12' Seepage	0-3.5' Qcol 3.5'-20' Tp @ 5' @ 6.3' @10.2' @12.8' @ 11.5' Seepage	0-0.75' af 0.75'-6.5' Qcol 6.5-20' Tp @ 10.4' @ 14.0' @ 12.0' Seepage	0-4.5' af 4.5--9.0' Qcol 9.0'-18.0' Tp @ 10.0' @ 11.4' @ 17.0' No Seepage	0-2.5' af 2.5'-13' Tp @ 3.5' @ 8.0' @10.0' No Seepage

BORINGS BY PETRA GEOTECHNICAL (2004) JN 588-04

B1 (elev. 424')	B2 (elev. 416')
0-30' Tp Seepage @ 24'	0-12' Qal 12'-31' Tp Seepage @ 17'

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2013) FILE NO 20489

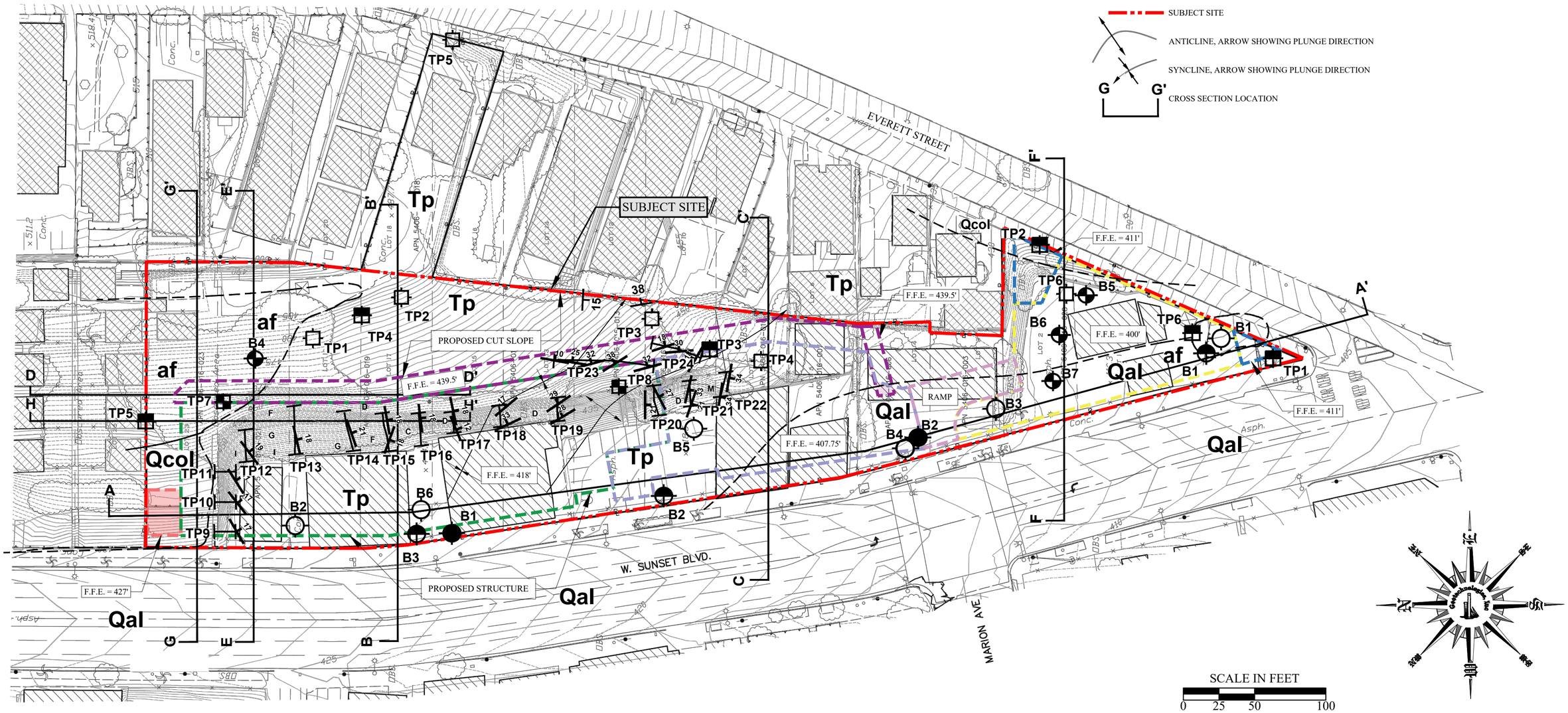
B1 (elev. 409')	B2 (elev. 419.5')	B3 (elev. 424')	TP1 (elev. 407')	TP2 (elev. 425')	TP3 (elev. 444')	TP4 (elev. 480')	TP5 (elev. 470')	TP6 (elev. 409')
0-3' af 3'-10' Qal 10'-30' Tp Seepage @ 17.5'	0-3' af 3'-30' Tp Seepage @ 17'	0-3' af 3'-40' Tp Seepage @ 9.3'	0-4' af 4'-6' Qal No Seepage	0-1' af 1'-10' Qcol 10'-11' Tp No Seepage	0-1.5' af 1.5'-10' Tp No Seepage	0-1' af 1'-4' Tp No Seepage	0-2' af 2'-6.5' Qcol 6.5'-8' Tp @ 7' No Seepage	0-6' af No Seepage

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2006) FILE NO 19267

B1 (elev. 408')	B2 (elev. 423')	B3 (elev. 414')	B4 (elev. 413')	B5 (elev. 419')	B6 (elev. 421.5')	TP1 (elev. 477')	TP2 (elev. 479')	TP3 (elev. 452')	TP4 (elev. 434')	TP5 (elev. 476')	TP6 (elev. 409')
0-5.5' af 5.5'-20' Tp No Seepage	0-15' Tp @ 2' @ 3.5' @ 3.5' @ 6' 9'-15' Seepage	0-7' af 7'-15' Qal 15'-25' Tp 15'-25' Seepage	0-2' af 2'-18.5' Qal 18.5'-20' Tp 12'-20' Seepage	0-2' af 2'-10' Tp @ 4.5' @ 5.5' @ 9.5'-10' Seepage	0-1.5' af 1.5'-12' Tp @ 4' @ 6.5' @ 11.5'-12' Seepage	0-0.5' af 0.5'-2' Qcol 2'-4' Tp @ 3' @ 3' No Seepage	0-2.5' af 2.5-5' Tp @ 4' @ 4' No Seepage	0-0.5' af 0.5'-3' Tp @ 2.5' @ 2.5' No Seepage	0-2' af 2'-5' Tp @ 4' @ 4' No Seepage	0-2' af 2'-4' Tp @ 3' @ 3.5' @ 3.5' No Seepage	0-2.5' af 2.5'-4' Tp @ 3' @ 3' @ 3' No Seepage

LEGEND

- af — ARTIFICIAL FILL (where > 4' thick)
- Qal — ALLUVIUM (where > 4' thick)
- Qcol — COLLUVIUM (where > 4' thick)
- Tp — BEDROCK (PUENTE FORMATION)
- C, D, E, F G, I, K, L — MARKER BEDS
- 40 — BEDDING ORIENTATION
- VERTICAL FRACTURE
- GEOLOGIC CONTACT
- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016, FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016, FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013, FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013, FN 20489)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006, FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006, FN 19267)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017, FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- DEMOLISHED STRUCTURE
- EXISTING STRUCTURE
- SUBJECT SITE
- ANTICLINE, ARROW SHOWING PLUNGE DIRECTION
- SYNCLINE, ARROW SHOWING PLUNGE DIRECTION
- G G' — CROSS SECTION LOCATION



SCALE IN FEET
0 25 50 100

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

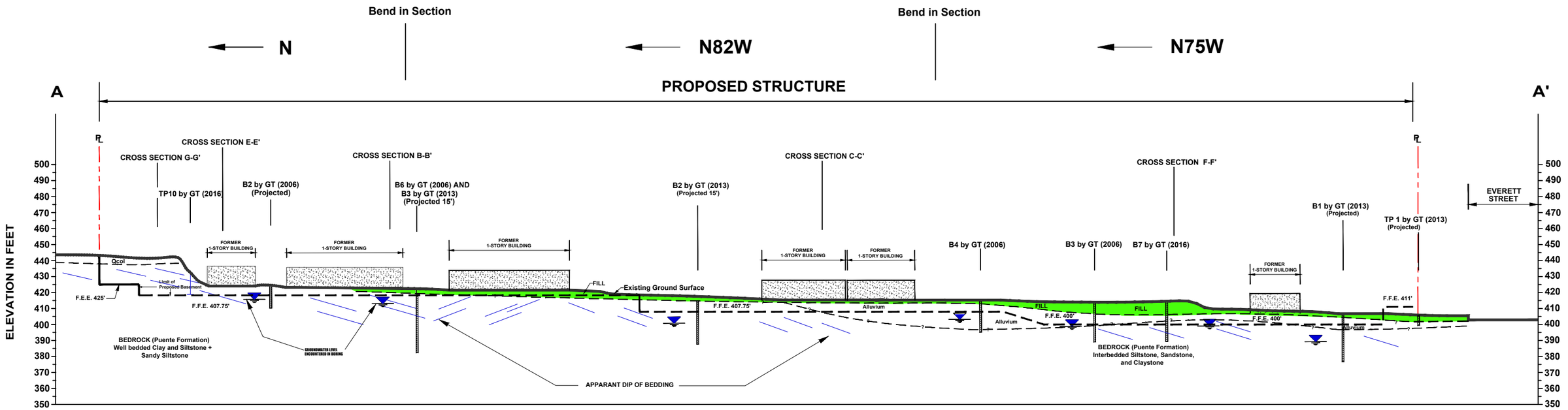
GEOLOGIC MAP

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023



REFERENCE: TOPOGRAPHIC MAP PROVIDED BY SITETECH INC. NOT DATED

SCALE IN FEET

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CROSS SECTION A-A'

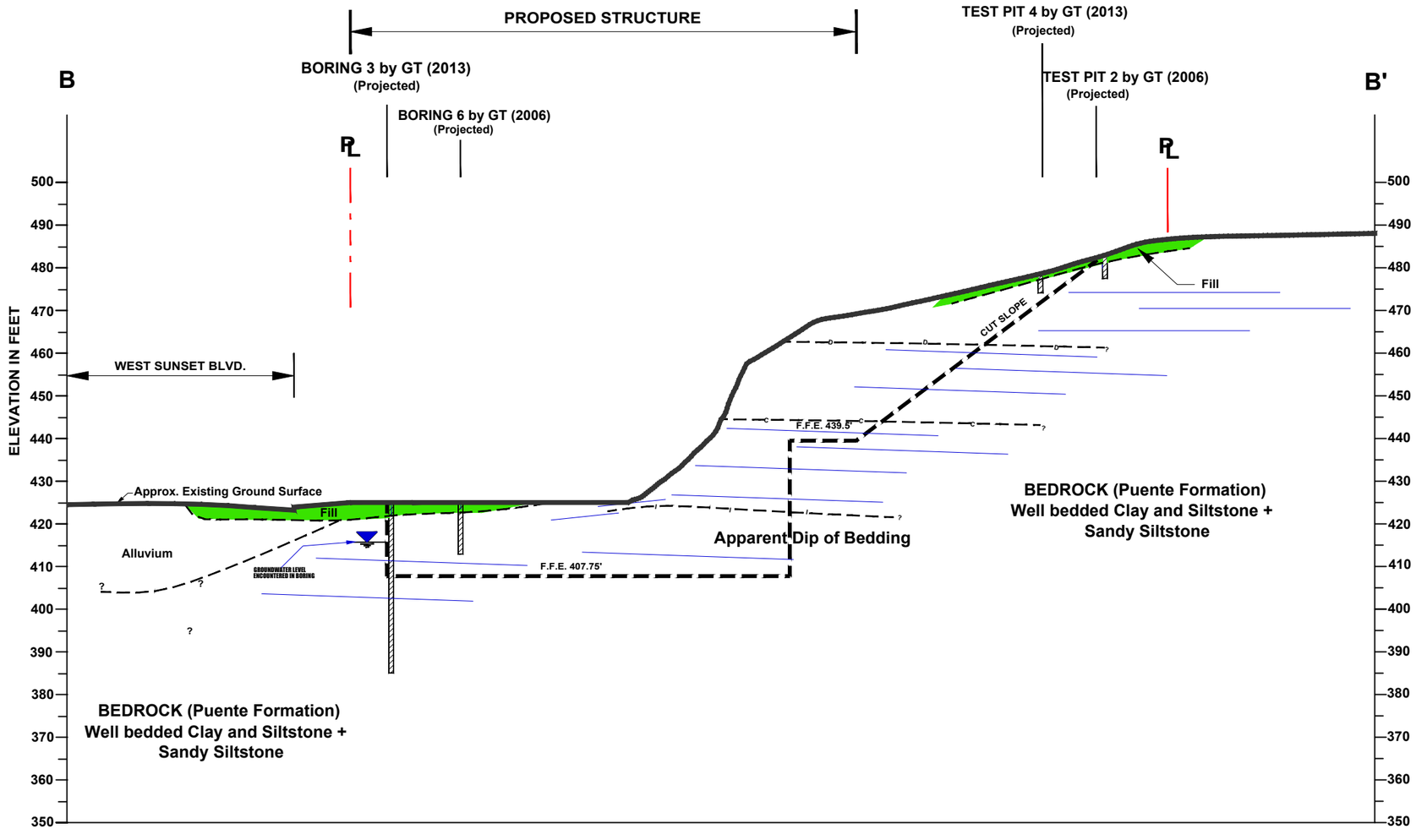
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION B-B'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

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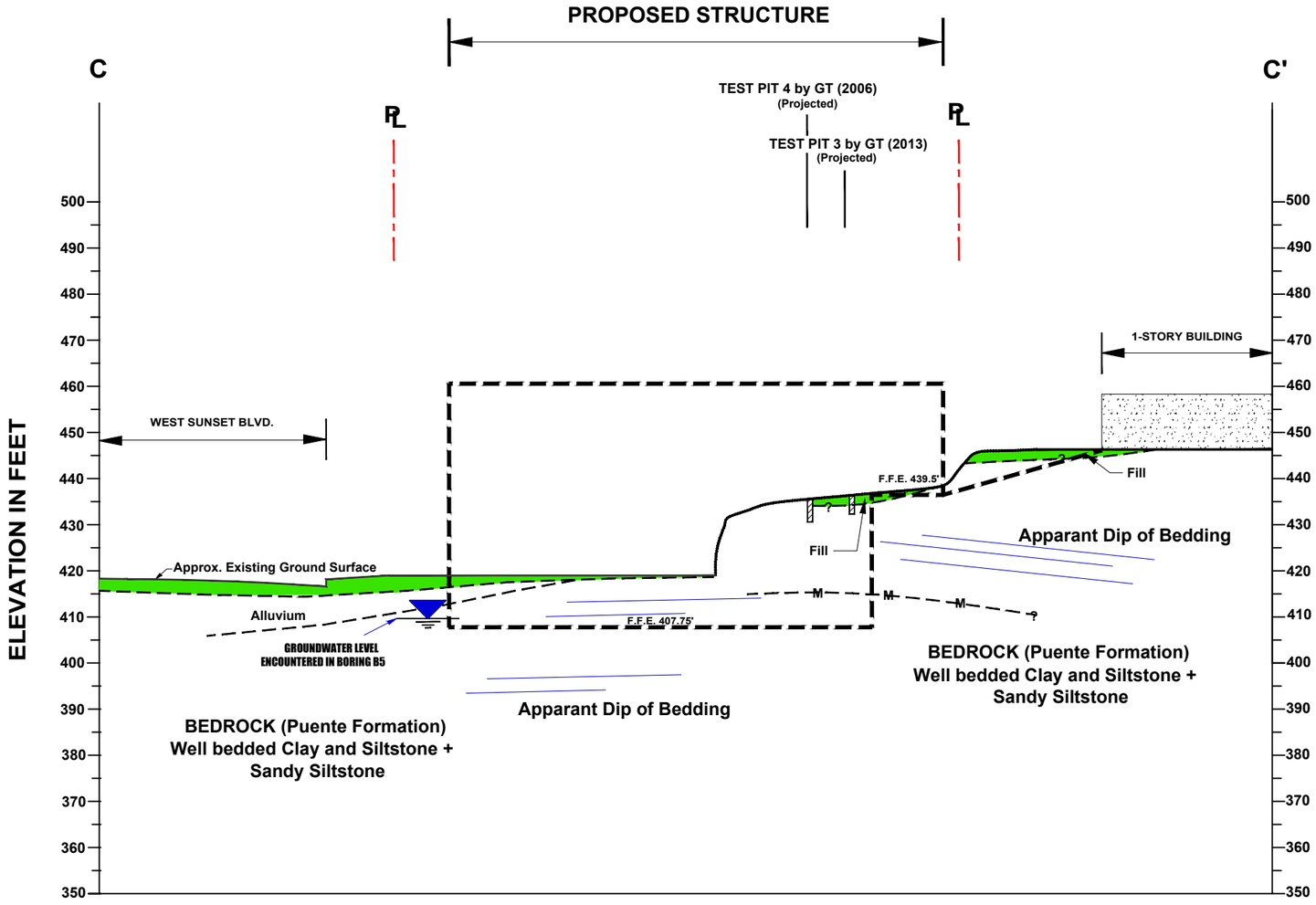

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION C-C'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

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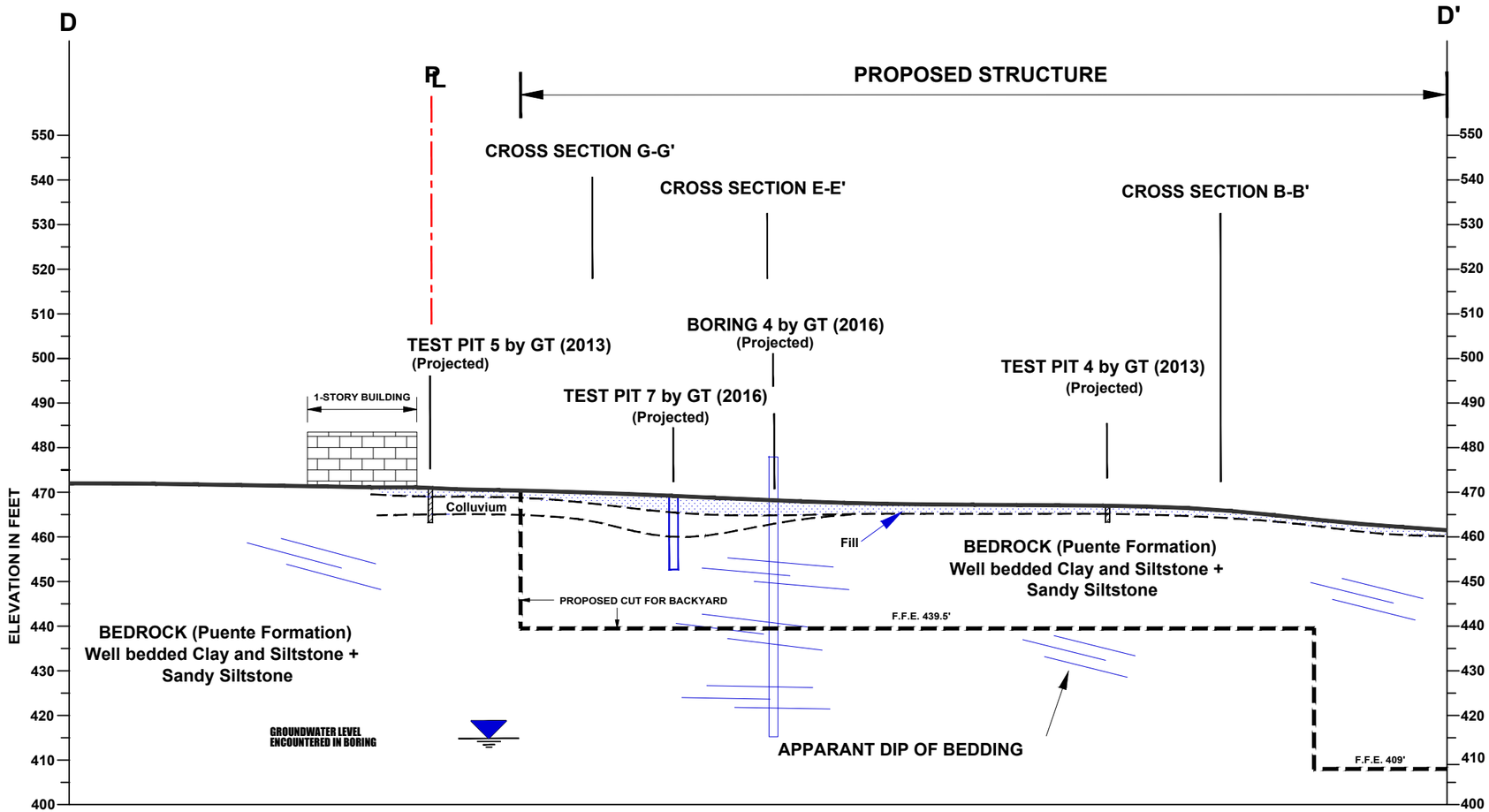

SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION D-D'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

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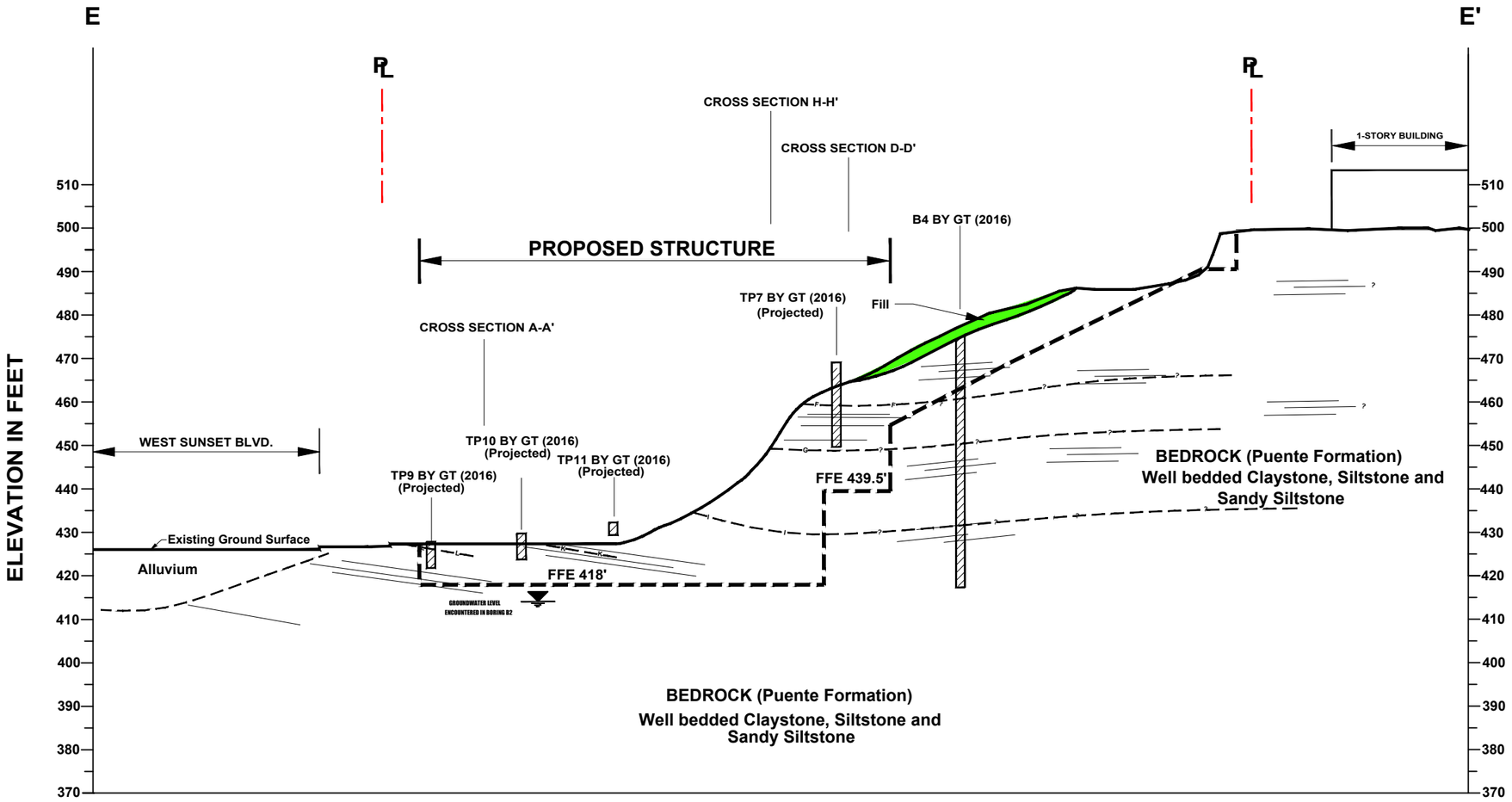


SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION E-E'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

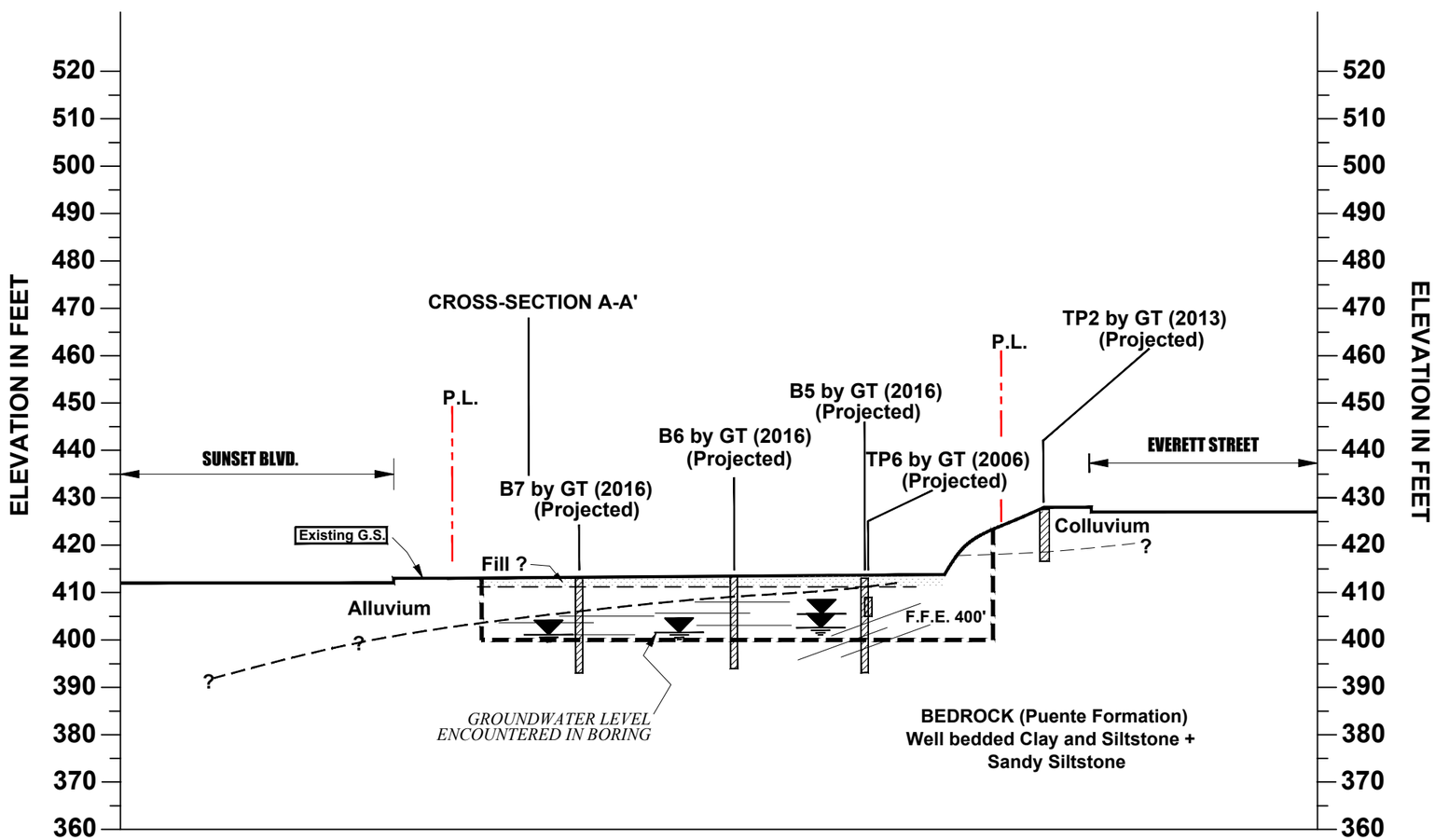
DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

E

F

F'



SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION F-F'

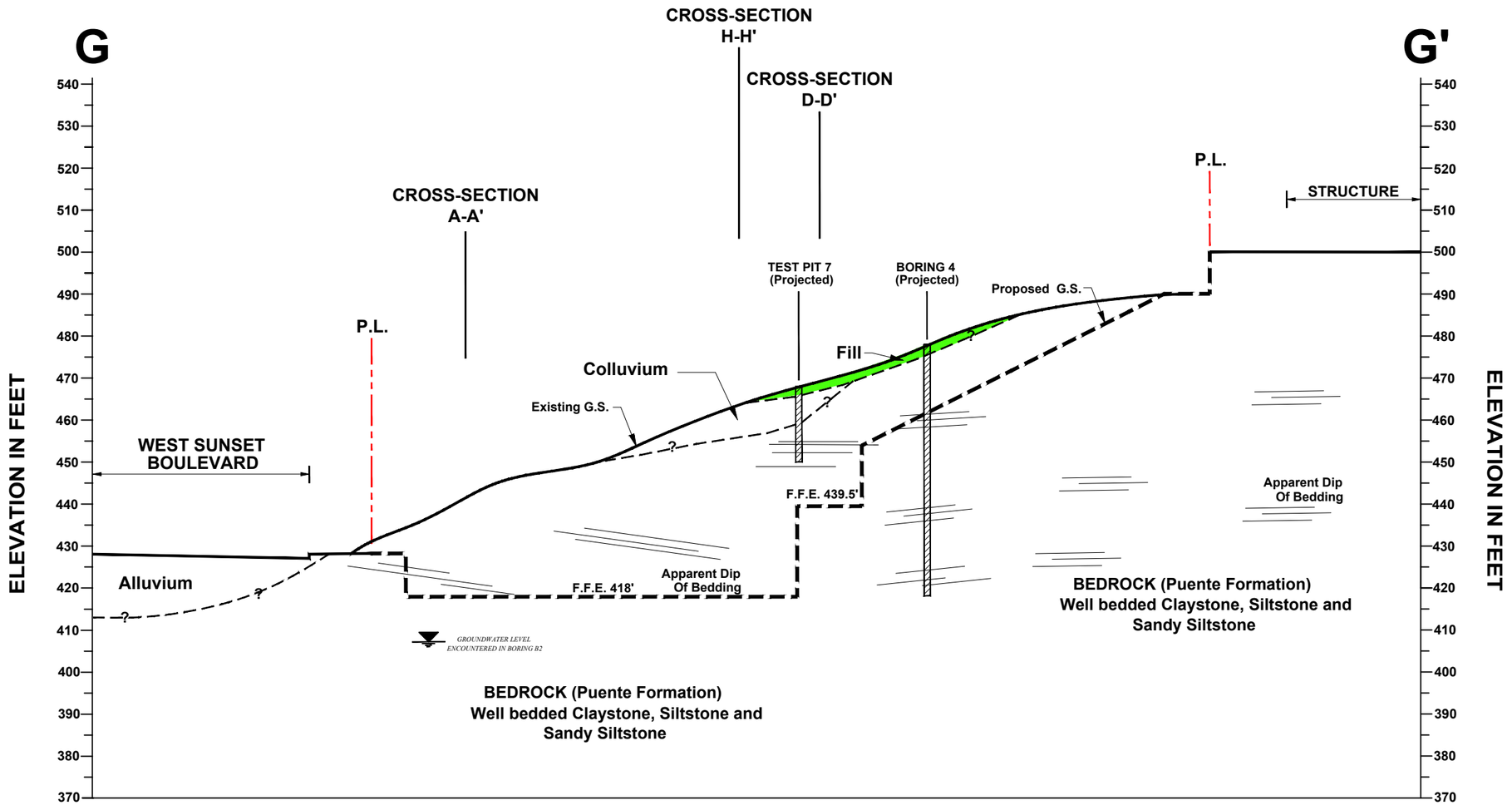
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

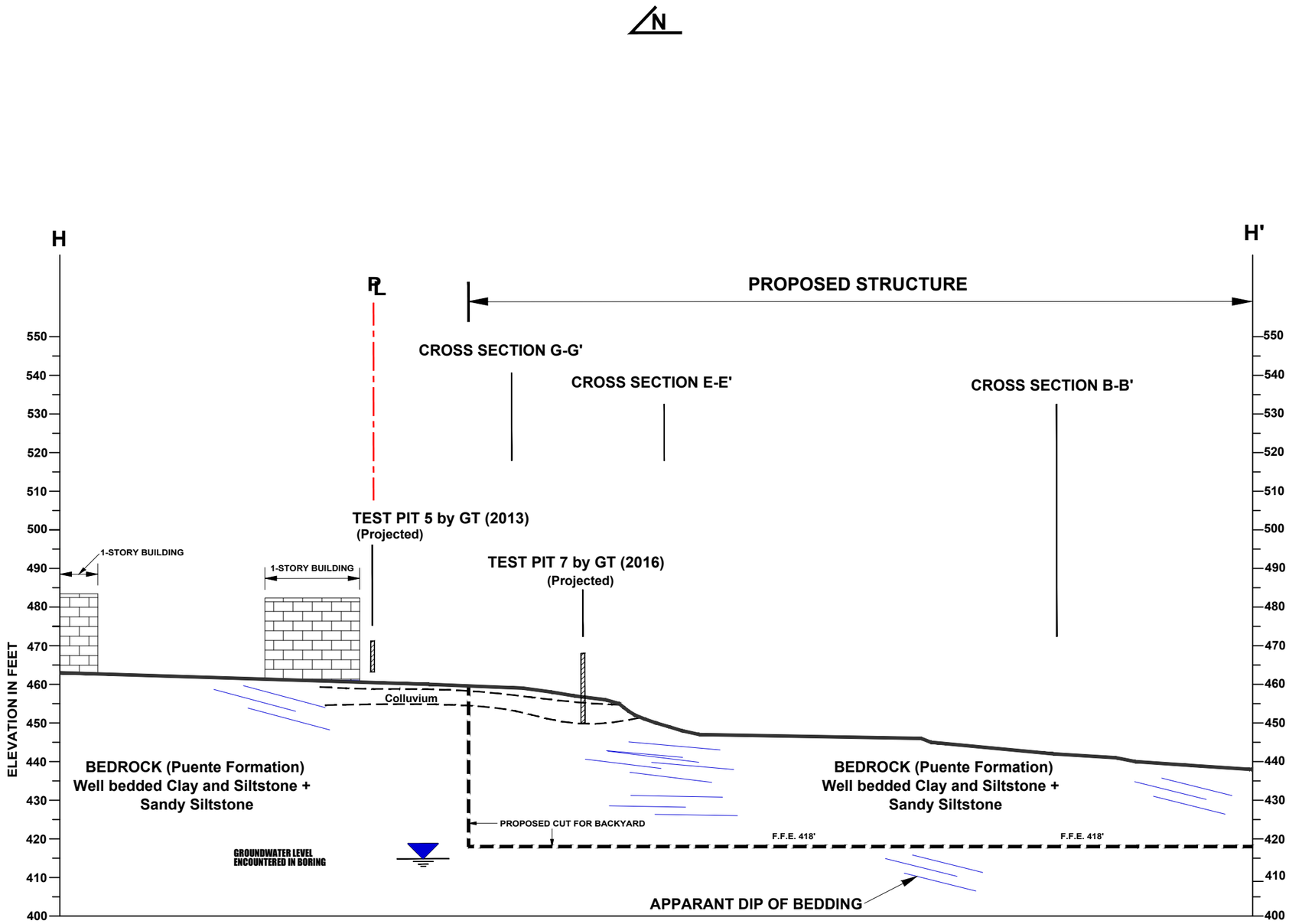
CROSS SECTION G-G'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION H-H'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

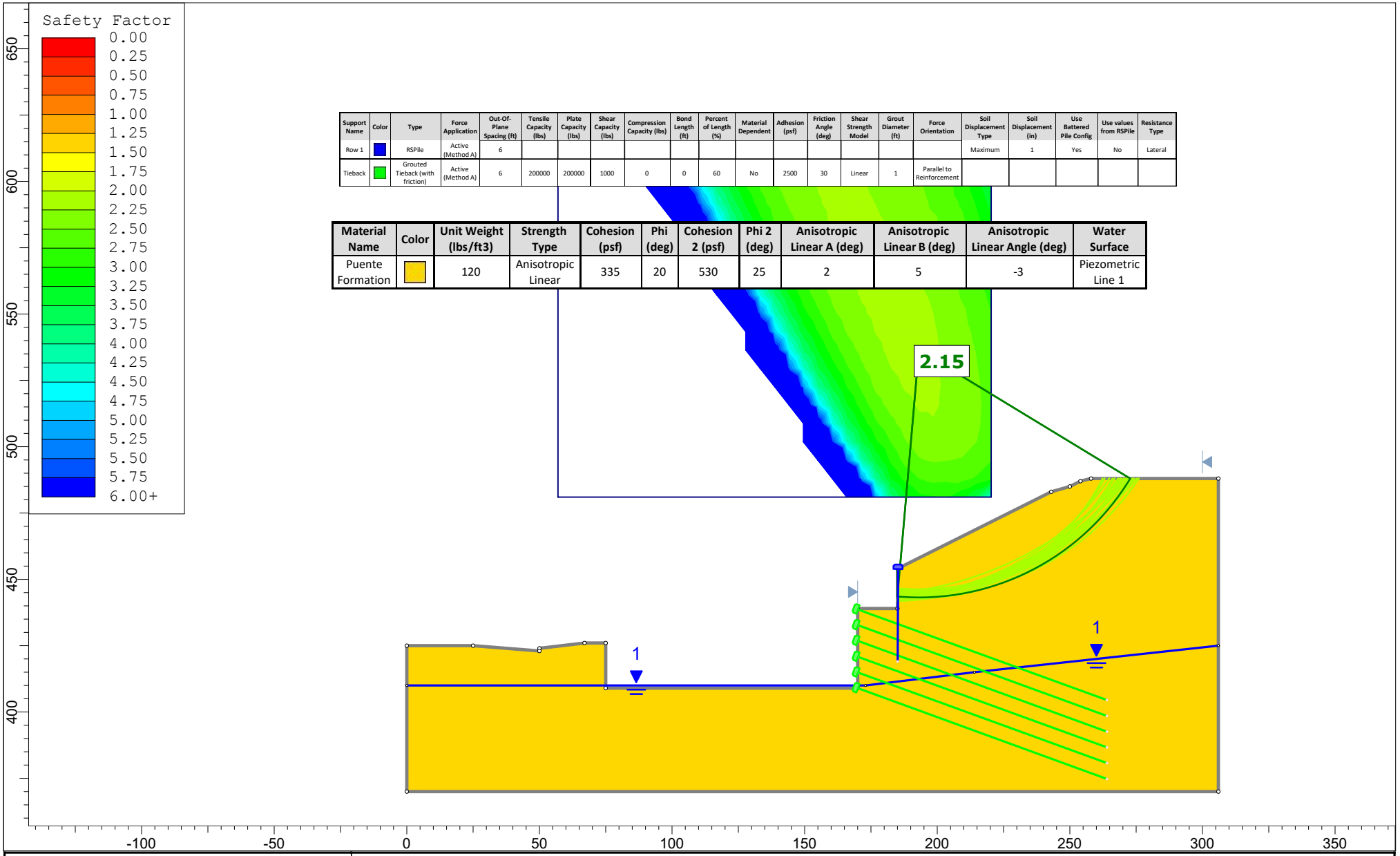
ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: OCTOBER 2023

rocscience

20489 BB Updated Profile upper
File No 20489
Geotechnologies, inc.
Date Created: 5/9/2017, 8:44:53 PM
Software Version: 9.012



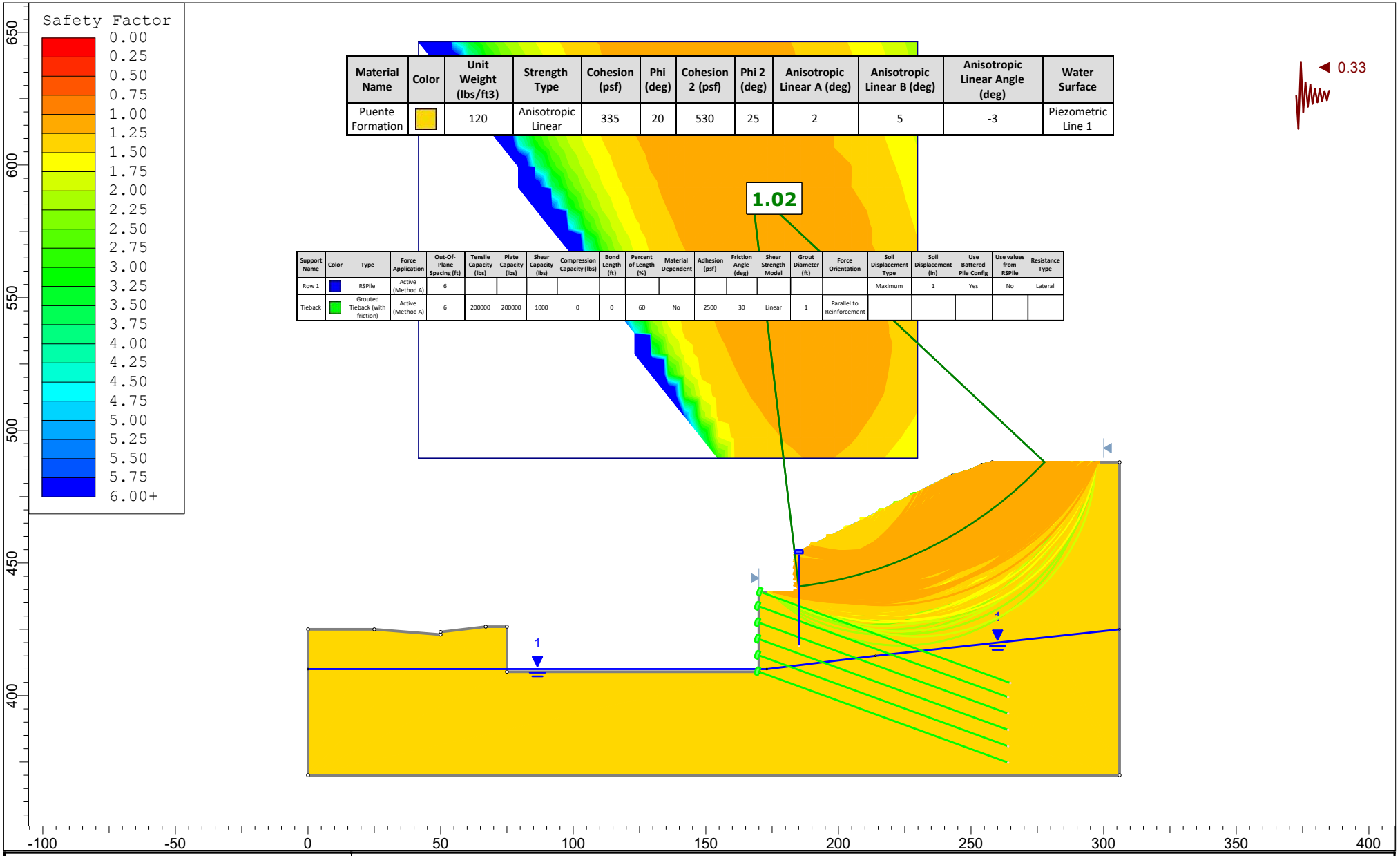
Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Force Orientation	Soil Displacement Type	Soil Displacement (in)	Use Battered Pile Config	Use values from RSPile	Resistance Type
Row 1		RSPile	Active (Method A)	6													Maximum	1	Yes	No	Lateral
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	1	Parallel to Reinforcement					

Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

rocscience

SLIDEINTERPRET 9.012

Project	File No 20489		
Group	Upper slope	*Scenario*	Curved Static
Drawn By	RTK	*Company*	Geotechnologies, inc.
Date	5/9/2017, 8:44:53 PM	*File Name*	20489 BB Updated Profile upper.slmd

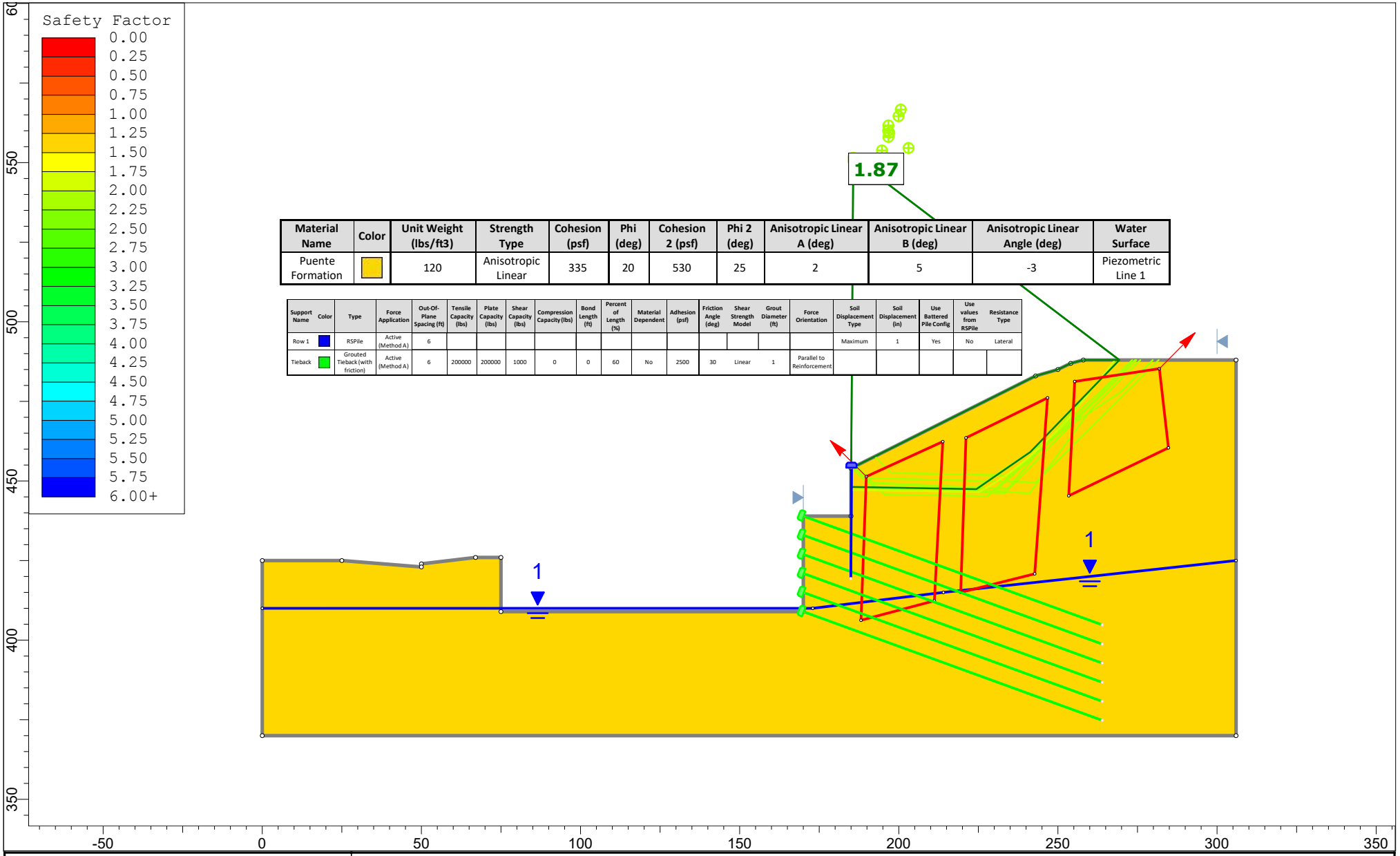


Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Force Orientation	Soil Displacement Type	Soil Displacement (in)	Use Battered Pile Config	Use values from RSPile	Resistance Type
Row 1		RSPile	Active (Method A)	6													Maximum	1	Yes	No	Lateral
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	1	Parallel to Reinforcement					

rocscience	Project	File No 20489	
	Group	Upper slope	Scenario: Curved PStatic
	Drawn By	RTK	Company: Geotechnologies, inc.
	Date	5/9/2017, 8:44:53 PM	File Name: 20489 BB Updated Profile upper.slmd

SLIDEINTERPRET 9.012

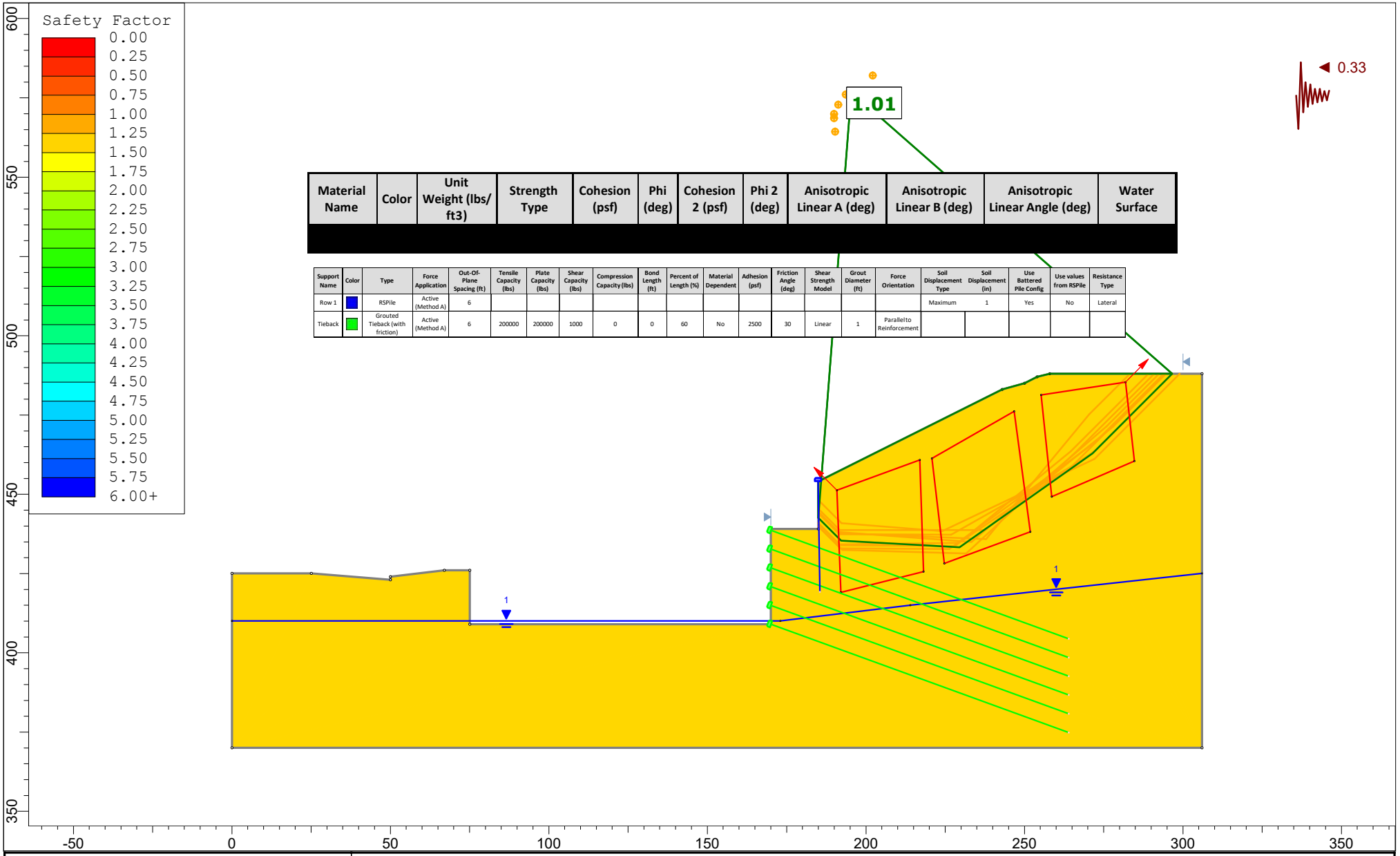


Material Name	Color	Unit Weight (lbs/ft3)	Strength Type	Cohesion (psf)	Phi (deg)	Cohesion 2 (psf)	Phi 2 (deg)	Anisotropic Linear A (deg)	Anisotropic Linear B (deg)	Anisotropic Linear Angle (deg)	Water Surface
Puente Formation		120	Anisotropic Linear	335	20	530	25	2	5	-3	Piezometric Line 1

Support Name	Color	Type	Force Application	Out-Of-Plane Spacing (ft)	Tensile Capacity (lbs)	Plate Capacity (lbs)	Shear Capacity (lbs)	Compression Capacity (lbs)	Bond Length (ft)	Percent of Length (%)	Material Dependent	Adhesion (psf)	Friction Angle (deg)	Shear Strength Model	Grout Diameter (ft)	Force Orientation	Soil Displacement Type	Soil Displacement (in)	Use Battered Pile Config	Use values from RSPile	Resistance Type
Row 1		RSPile	Active (Method A)	6													Maximum	1	Yes	No	Lateral
Tieback		Grouted Tieback (with friction)	Active (Method A)	6	200000	200000	1000	0	0	60	No	2500	30	Linear	1	Parallel to Reinforcement					

rocscience	*Project*	File No 20489	
	Group	Block	*Scenario* Block Static
	Drawn By	RTK	*Company* Geotechnologies, inc.
	Date	5/9/2017, 8:44:53 PM	*File Name* 20489 BB Updated Profile upper.slmd

SLIDEINTERPRET 9.012



rocscience	Project	File No 20489	
	Group	Block	Scenario: Block Pstatic
	Drawn By	RTK	Company: Geotechnologies, inc.
	Date	5/9/2017, 8:44:53 PM	File Name: 20489 BB Updated Profile upper.slmd

SLIDEINTERPRET 9.012

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Slide Analysis Information

20489 BB Updated Profile upper

Project Summary

File Name:	20489 BB Updated Profile upper.slmd
Slide Modeler Version:	9.012
Project Title:	File No 20489
Analysis:	Cross Section B-B', Upper Slope
Author:	RTK
Company:	Geotechnologies, inc.
Date Created:	5/9/2017, 8:44:53 PM

Currently Open Scenarios

Group Name	Scenario Name	Global Minimum	Compute Time
Block	Master Scenario	Bishop Simplified: 3.253420 Janbu Simplified: 3.033720	00h:00m:01.6s
	Block Static	Bishop Simplified: 1.972120 Janbu Simplified: 1.872440	00h:00m:44.973s
	Block Pstatic	Bishop Simplified: 1.104790 Janbu Simplified: 1.010440	00h:05m:25.138s
	Curved Static	Bishop Simplified: 2.151440 Janbu Simplified: 1.971860	00h:00m:19.117s
	Curved PStatic	Bishop Simplified: 1.020780 Janbu Simplified: 0.931676	00h:00m:18.613s

General Settings

Units of Measurement:	Imperial Units
Time Units:	days
Permeability Units:	feet/second
Data Output:	Standard
Failure Direction:	Right to Left

Analysis Options

All Open Scenarios

Slices Type:	Vertical
Analysis Methods Used	
	Bishop simplified
	Janbu simplified
Number of slices:	50
Tolerance:	0.005
Maximum number of iterations:	74
Check malpha < 0.2:	Yes
Create Interslice boundaries at intersections with water tables and piezos:	Yes
Initial trial value of FS:	1
Steffensen Iteration:	Yes

Groundwater Analysis

All Open Scenarios

Groundwater Method:	Water Surfaces
Pore Fluid Unit Weight [lbs/ft3]:	62.4
Use negative pore pressure cutoff:	Yes
Maximum negative pore pressure [psf]:	0
Advanced Groundwater Method:	None

Random Numbers

All Open Scenarios

Pseudo-random Seed:	10116
Random Number Generation Method:	Park and Miller v.3

Surface Options

Block - Master Scenario

Surface Type:	Non-Circular Block Search
Number of Surfaces:	8000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Block - Block Static

Surface Type:	Non-Circular Block Search
Number of Surfaces:	6000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Block - Block Pstatic

Surface Type:	Non-Circular Block Search
Number of Surfaces:	8000
Multiple Groups:	Disabled
Pseudo-Random Surfaces:	Enabled
Convex Surfaces Only:	Disabled
Left Projection Angle (Start Angle) [deg]:	135
Left Projection Angle (End Angle) [deg]:	135
Right Projection Angle (Start Angle) [deg]:	45
Right Projection Angle (End Angle) [deg]:	45
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Block - Curved Static

Surface Type:	Circular
Search Method:	Grid Search
Radius Increment:	10
Composite Surfaces:	Disabled
Reverse Curvature:	Invalid Surfaces
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Block - Curved PStatic

Surface Type:	Circular
Search Method:	Grid Search
Radius Increment:	10
Composite Surfaces:	Disabled
Reverse Curvature:	Invalid Surfaces
Minimum Elevation:	Not Defined
Minimum Depth:	Not Defined
Minimum Area:	Not Defined
Minimum Weight:	Not Defined

Seismic Loading

Block - Master Scenario

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Block Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Block Pstatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Block - Curved Static

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No

Block - Curved PStatic

Advanced seismic analysis:	No
Staged pseudostatic analysis:	No
Seismic Load Coefficient (Horizontal):	0.33

Materials

Puente Formation	
Color	
Strength Type	Anisotropic Linear
Unit Weight [lbs/ft3]	120
Cohesion 1 [psf]	335
Cohesion 2 [psf]	530
Friction Angle 1 [deg]	20
Friction Angle 2 [deg]	25
A [deg]	2
B [deg]	5
Anisotropic Definition	Angle
Angle from 1 [deg]	-3
Anisotropic Surface	
Water Surface	Assigned per scenario
Hu Value	Automatically Calculated

Materials In Use

Material	Block	Block Static	Block Pstatic	Curved Static	Curved PStatic
Puente Formation	✓	✓	✓	✓	✓

Support

Row 1	
Color	
Support Type	RSPile
Force Application	Active
Out-of-Plane Spacing [ft]	6
Soil Displacement Type	Maximum
Soil Displacement [in]	1
Resistance Type	Lateral
Use battered pile configuration	Yes
Use values defined in RSPile	No

Tieback	
Color	
Support Type	Grouted Tieback (with friction)
Force Application	Active
Force Orientation	Parallel to Reinforcement
Bond Length [percent]	60
Out-of-Plane Spacing [ft]	6
Tensile Capacity [lb]	200000
Plate Capacity [lb]	200000
Pullout Strength Adhesion [psf]	2500
Pullout Strength Friction Angle [degrees]	30
Material Dependent	No
Shear Strength Model	Linear
Use External Loads for Strength	yes
Shear Capacity [lb]	1000
Grout Diameter [ft]	1

Global Minimums

Block - Master Scenario

Method: bishop simplified

FS	3.253420
Axis Location:	219.442, 546.113
Left Slip Surface Endpoint:	207.463, 465.231
Right Slip Surface Endpoint:	276.960, 488.000
Resisting Moment:	9.69043e+06 lb-ft
Driving Moment:	2.97853e+06 lb-ft
Total Slice Area:	1133.29 ft2
Surface Horizontal Width:	69.4969 ft
Surface Average Height:	16.307 ft

Method: janbu simplified

FS	3.033720
Axis Location:	219.442, 546.113
Left Slip Surface Endpoint:	207.463, 465.231
Right Slip Surface Endpoint:	276.960, 488.000
Resisting Horizontal Force:	96124.9 lb
Driving Horizontal Force:	31685.4 lb
Total Slice Area:	1133.29 ft2
Surface Horizontal Width:	69.4969 ft
Surface Average Height:	16.307 ft

Block - Block Static

Method: bishop simplified

FS	1.972120
Axis Location:	185.680, 551.550
Left Slip Surface Endpoint:	185.000, 446.540
Right Slip Surface Endpoint:	269.280, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	269.280 488.000
Resisting Moment:	1.20449e+07 lb-ft
Driving Moment:	6.1076e+06 lb-ft
Active Support Moment:	-189617 lb-ft
Maximum Single Support Force:	1839.15 lb
Total Support Force:	1839.15 lb
Total Slice Area:	1405.69 ft2
Surface Horizontal Width:	84.2796 ft
Surface Average Height:	16.6789 ft

Method: janbu simplified

FS	1.872440
Axis Location:	185.680, 551.550
Left Slip Surface Endpoint:	185.000, 446.540
Right Slip Surface Endpoint:	269.280, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	269.280 488.000
Resisting Horizontal Force:	96081.6 lb
Driving Horizontal Force:	51313.6 lb
Active Horizontal Support Force:	-1820.51 lb
Maximum Single Support Force:	1839.15 lb
Total Support Force:	1839.15 lb
Total Slice Area:	1405.69 ft2
Surface Horizontal Width:	84.2796 ft
Surface Average Height:	16.6789 ft

Block - Block Pstatic

Method: bishop simplified

FS	1.104790
Axis Location:	195.334, 576.869
Left Slip Surface Endpoint:	185.000, 442.533
Right Slip Surface Endpoint:	296.603, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	296.603 488.000
Resisting Moment:	3.02217e+07 lb-ft
Driving Moment:	2.7355e+07 lb-ft
Active Support Moment:	-178574 lb-ft
Maximum Single Support Force:	1373.48 lb
Total Support Force:	1373.48 lb
Total Slice Area:	3178.6 ft2
Surface Horizontal Width:	111.603 ft
Surface Average Height:	28.4813 ft

Method: janbu simplified

FS	1.010440
Axis Location:	195.334, 576.869
Left Slip Surface Endpoint:	185.000, 442.533
Right Slip Surface Endpoint:	296.603, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	296.603 488.000
Resisting Horizontal Force:	189383 lb
Driving Horizontal Force:	187426 lb
Active Horizontal Support Force:	-1293.41 lb
Maximum Single Support Force:	1373.48 lb
Total Support Force:	1373.48 lb
Total Slice Area:	3178.6 ft2
Surface Horizontal Width:	111.603 ft
Surface Average Height:	28.4813 ft

Block - Curved Static

Method: bishop simplified

FS	2.151440
Center:	193.085, 536.442
Radius:	93.235
Left Slip Surface Endpoint:	185.000, 443.558
Right Slip Surface Endpoint:	272.748, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	272.748 488.000
Resisting Moment:	1.35298e+07 lb-ft
Driving Moment:	6.28872e+06 lb-ft
Active Support Moment:	-848010 lb-ft
Maximum Single Support Force:	9104.42 lb
Total Support Force:	9104.42 lb
Total Slice Area:	1714.93 ft2
Surface Horizontal Width:	87.7476 ft
Surface Average Height:	19.5438 ft

Method: janbu simplified

FS	1.971860
Center:	193.085, 522.587
Radius:	80.050
Left Slip Surface Endpoint:	185.000, 442.947
Right Slip Surface Endpoint:	265.277, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	265.277 488.000
Resisting Horizontal Force:	113121 lb
Driving Horizontal Force:	57367.7 lb
Active Horizontal Support Force:	-10599 lb
Maximum Single Support Force:	10610 lb
Total Support Force:	10610 lb
Total Slice Area:	1549.81 ft2
Surface Horizontal Width:	80.2766 ft
Surface Average Height:	19.3059 ft

Block - Curved PStatic

Method: bishop simplified

FS	1.020780
Center:	167.109, 591.554
Radius:	151.504
Left Slip Surface Endpoint:	185.000, 441.110
Right Slip Surface Endpoint:	277.699, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	277.699 488.000
Resisting Moment:	1.97093e+07 lb-ft
Driving Moment:	1.9308e+07 lb-ft
Active Support Moment:	-961938 lb-ft
Maximum Single Support Force:	6349.29 lb
Total Support Force:	6349.29 lb
Total Slice Area:	1643.92 ft2
Surface Horizontal Width:	92.699 ft
Surface Average Height:	17.734 ft

Method: janbu simplified

FS	0.931676
Center:	192.197, 528.752
Radius:	88.422
Left Slip Surface Endpoint:	185.000, 440.623
Right Slip Surface Endpoint:	270.669, 488.000
Left Slope Intercept:	185.000 454.000
Right Slope Intercept:	270.669 488.000
Resisting Horizontal Force:	118519 lb
Driving Horizontal Force:	127211 lb
Active Horizontal Support Force:	-7440.74 lb
Maximum Single Support Force:	7458.34 lb
Total Support Force:	7458.34 lb
Total Slice Area:	1842.11 ft2
Surface Horizontal Width:	85.6687 ft
Surface Average Height:	21.5027 ft

Global Minimum Coordinates

Block - Master Scenario

Method: bishop simplified

X	Y
207.463	465.231
223.547	449.147
258.895	469.935
276.96	488

Method: janbu simplified

X	Y
207.463	465.231
223.547	449.147
258.895	469.935
276.96	488

Block - Block Static

Method: bishop simplified

X	Y
185	446.54
185.204	448.146
224.367	447.463
241.337	459.132
269.28	488

Method: janbu simplified

X	Y
185	446.54
185.204	448.146
224.367	447.463
241.337	459.132
269.28	488

Block - Block Pstatic

Method: bishop simplified

X	Y
185	442.533
192.173	435.36
229.522	433.272
271.492	462.89
296.603	488

Method: janbu simplified

X	Y
185	442.533
192.173	435.36
229.522	433.272
271.492	462.89
296.603	488

Global Minimum Support Data

Block - Master Scenario

No Supports Present

Block - Block Static

Method: bishop simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 433	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 427	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 421	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 415	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.143, 454.31	35	7	28	7	28	1839.15

Method: janbu simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 433	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 427	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 421	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 415	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0

Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.143, 454.31	35	7	28	7	28	1839.15

Block - Block Pstatic

Method: bishop simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.602	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 432.682	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 426.761	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 420.841	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 414.92	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0
Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
184.87, 454.178	35	11.7026	23.2974	11.7026	23.2974	1373.48

Method: janbu simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.602	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 432.682	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 426.761	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 420.841	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 414.92	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0
Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
184.87, 454.178	35	11.7026	23.2974	11.7026	23.2974	1373.48

Block - Curved Static

Method: bishop simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.683	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 432.746	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 426.81	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 420.873	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 414.937	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0
Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.222, 454.029	35	10.4853	24.5147	10.4853	24.5147	9104.42

Method: janbu simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170, 438.683	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 432.746	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 426.81	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 420.873	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 414.937	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0
Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.222, 454.029	35	11.0985	23.9015	11.0985	23.9015	10610

Block - Curved PStatic

Method: bishop simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170.828, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 433.662	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 427.497	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 421.331	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 415.166	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0
Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.111, 453.673	35	12.549	22.451	12.549	22.451	6349.29

Method: janbu simplified

Number of Supports: 7

Tieback						
Support Type: Grouted Tieback (with friction)						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
170.828, 439	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 433.662	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 427.497	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 421.331	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 415.166	100	Not Effective	Not Effective	Not Effective	Not Effective	0
170, 409	100	Not Effective	Not Effective	Not Effective	Not Effective	0
Row 1						
Support Type: RSPile						
Start (x, y)	**Length (ft)**	**L Inside SS (ft)**	**L Outside SS (ft)**	**Li (ft)**	**Lo (ft)**	**Force (lb)**
185.111, 453.673	35	13.0577	21.9423	13.0577	21.9423	7458.34

Valid and Invalid Surfaces

Block - Master Scenario

Method: bishop simplified

Number of Valid Surfaces:	7564
Number of Invalid Surfaces:	436
Error Codes	
Error Code -108 reported for 16 surfaces	
Error Code -111 reported for 420 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	6528
Number of Invalid Surfaces:	1472
Error Codes	
Error Code -108 reported for 15 surfaces	
Error Code -111 reported for 1457 surfaces	

Block - Block Static

Method: bishop simplified

Number of Valid Surfaces:	5718
Number of Invalid Surfaces:	284
Error Codes	
Error Code -108 reported for 10 surfaces	
Error Code -111 reported for 274 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	5150
Number of Invalid Surfaces:	852
Error Codes	
Error Code -108 reported for 20 surfaces	
Error Code -111 reported for 832 surfaces	

Block - Block Pstatic

Method: bishop simplified

Number of Valid Surfaces:	7913
Number of Invalid Surfaces:	87
Error Codes	
Error Code -108 reported for 2 surfaces	
Error Code -111 reported for 85 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	7658
Number of Invalid Surfaces:	342
Error Codes	
Error Code -108 reported for 4 surfaces	
Error Code -111 reported for 338 surfaces	

Block - Curved Static

Method: bishop simplified

Number of Valid Surfaces:	6711
Number of Invalid Surfaces:	6960
Error Codes	
Error Code -106 reported for 726 surfaces	
Error Code -107 reported for 3774 surfaces	
Error Code -108 reported for 8 surfaces	
Error Code -114 reported for 100 surfaces	
Error Code -1000 reported for 2352 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	6713
Number of Invalid Surfaces:	6958
Error Codes	
Error Code -106 reported for 726 surfaces	
Error Code -107 reported for 3774 surfaces	
Error Code -108 reported for 6 surfaces	
Error Code -114 reported for 100 surfaces	
Error Code -1000 reported for 2352 surfaces	

Block - Curved PStatic

Method: bishop simplified

Number of Valid Surfaces:	8019
Number of Invalid Surfaces:	5652
Error Codes	
Error Code -106 reported for 672 surfaces	
Error Code -107 reported for 2836 surfaces	
Error Code -108 reported for 2 surfaces	
Error Code -1000 reported for 2142 surfaces	

Method: janbu simplified

Number of Valid Surfaces:	8017
Number of Invalid Surfaces:	5654
Error Codes	
Error Code -106 reported for 672 surfaces	
Error Code -107 reported for 2836 surfaces	
Error Code -108 reported for 4 surfaces	
Error Code -1000 reported for 2142 surfaces	

Error Code Descriptions

The following errors were encountered during the computation:

-106 = Average slice width is less than 0.0001 * (maximum horizontal extent of soil region). This limitation is imposed to avoid numerical errors which may result from too many slices, or too small a slip region.

-107 = Total driving moment or total driving force is negative. This will occur if the wrong failure direction is specified, or if high external or anchor loads are applied against the failure direction.

-108 = Total driving moment or total driving force < 0.1. This is to limit the calculation of extremely high safety factors if the driving force is very small (0.1 is an arbitrary number).

-111 = Safety factor equation did not converge

-114 = Surface with Reverse Curvature.

-1000 = No valid slip surface is generated

Slice Data

Block - Master Scenario

Global Minimum Query (bishop simplified) - Safety Factor: 3.25342

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.34036	161.69	-45	Puente Formation	530	25	210.299	684.191	330.664	0	330.664	120.365	120.365
2	1.34036	485.071	-45	Puente Formation	530	25	250.656	815.49	612.233	0	612.233	361.577	361.577
3	1.34036	808.451	-45	Puente Formation	530	25	291.013	946.788	893.803	0	893.803	602.79	602.79
4	1.34036	1131.83	-45	Puente Formation	530	25	331.37	1078.09	1175.37	0	1175.37	844.003	844.003
5	1.34036	1455.21	-45	Puente Formation	530	25	371.727	1209.38	1456.94	0	1456.94	1085.22	1085.22
6	1.34036	1778.59	-45	Puente Formation	530	25	412.084	1340.68	1738.51	0	1738.51	1326.43	1326.43
7	1.34036	2101.97	-45	Puente Formation	530	25	452.441	1471.98	2020.09	0	2020.09	1567.65	1567.65
8	1.34036	2425.35	-45	Puente Formation	530	25	492.798	1603.28	2301.66	0	2301.66	1808.86	1808.86
9	1.34036	2748.73	-45	Puente Formation	530	25	533.156	1734.58	2583.23	0	2583.23	2050.07	2050.07
10	1.34036	3072.11	-45	Puente Formation	530	25	573.513	1865.88	2864.8	0	2864.8	2291.28	2291.28
11	1.34036	3395.5	-45	Puente Formation	530	25	613.868	1997.17	3146.37	0	3146.37	2532.5	2532.5
12	1.34036	3718.88	-45	Puente Formation	530	25	654.225	2128.47	3427.94	0	3427.94	2773.71	2773.71
13	1.41392	4082.97	30.46	Puente Formation	530	25	532.006	1730.84	2575.22	0	2575.22	2888.1	2888.1
14	1.41392	4061.84	30.46	Puente Formation	530	25	530.03	1724.41	2561.43	0	2561.43	2873.14	2873.14
15	1.41392	4040.7	30.46	Puente Formation	530	25	528.057	1717.99	2547.64	0	2547.64	2858.19	2858.19
16	1.41392	4019.56	30.46	Puente Formation	530	25	526.08	1711.56	2533.86	0	2533.86	2843.25	2843.25
17	1.41392	3998.43	30.46	Puente Formation	530	25	524.104	1705.13	2520.07	0	2520.07	2828.3	2828.3
18	1.41392	3977.29	30.46	Puente Formation	530	25	522.127	1698.7	2506.28	0	2506.28	2813.34	2813.34
19	1.41392	3956.15	30.46	Puente Formation	530	25	520.151	1692.27	2492.49	0	2492.49	2798.4	2798.4
20	1.41392	3935.02	30.46	Puente Formation	530	25	518.175	1685.84	2478.7	0	2478.7	2783.44	2783.44
21	1.41392	3913.88	30.46	Puente Formation	530	25	516.198	1679.41	2464.91	0	2464.91	2768.49	2768.49
22	1.41392	3892.74	30.46	Puente Formation	530	25	514.222	1672.98	2451.13	0	2451.13	2753.55	2753.55
23	1.41392	3871.61	30.46	Puente Formation	530	25	512.246	1666.55	2437.34	0	2437.34	2738.59	2738.59
24	1.41392	3850.47	30.46	Puente Formation	530	25	510.269	1660.12	2423.55	0	2423.55	2723.64	2723.64
25	1.41392	3829.33	30.46	Puente Formation	530	25	508.293	1653.69	2409.77	0	2409.77	2708.69	2708.69
26	1.41392	3806.7	30.46	Puente Formation	530	25	506.175	1646.8	2394.99	0	2394.99	2692.68	2692.68
27	1.41392	3748.93	30.46	Puente Formation	530	25	500.775	1629.23	2357.31	0	2357.31	2651.82	2651.82
28	1.41392	3676.39	30.46	Puente Formation	530	25	493.994	1607.17	2309.99	0	2309.99	2600.51	2600.51
29	1.41392	3603.85	30.46	Puente Formation	530	25	487.21	1585.1	2262.66	0	2262.66	2549.2	2549.2

30	1.41392	3531.3	30.46	Puente Formation	530	25	480.427	1563.03	2215.34	0	2215.34	2497.89	2497.89
31	1.41392	3460.93	30.46	Puente Formation	530	25	473.849	1541.63	2169.44	0	2169.44	2448.11	2448.11
32	1.41392	3426.87	30.46	Puente Formation	530	25	470.665	1531.27	2147.22	0	2147.22	2424.02	2424.02
33	1.41392	3405.74	30.46	Puente Formation	530	25	468.687	1524.84	2133.43	0	2133.43	2409.07	2409.07
34	1.41392	3378.2	30.46	Puente Formation	530	25	466.113	1516.46	2115.47	0	2115.47	2389.6	2389.6
35	1.41392	3305.77	30.46	Puente Formation	530	25	459.341	1494.43	2068.23	0	2068.23	2338.37	2338.37
36	1.41392	3224.66	30.46	Puente Formation	530	25	451.757	1469.76	2015.32	0	2015.32	2281	2281
37	1.41392	3131.54	30.46	Puente Formation	530	25	443.05	1441.43	1954.56	0	1954.56	2215.12	2215.12
38	1.38959	2896.44	45	Puente Formation	530	25	403.848	1313.89	1681.05	0	1681.05	2084.9	2084.9
39	1.38959	2664.72	45	Puente Formation	530	25	382.94	1245.87	1535.18	0	1535.18	1918.12	1918.12
40	1.38959	2433.01	45	Puente Formation	530	25	362.033	1177.85	1389.31	0	1389.31	1751.34	1751.34
41	1.38959	2201.29	45	Puente Formation	530	25	341.126	1109.83	1243.44	0	1243.44	1584.57	1584.57
42	1.38959	1969.58	45	Puente Formation	530	25	320.218	1041.81	1097.57	0	1097.57	1417.79	1417.79
43	1.38959	1737.86	45	Puente Formation	530	25	299.311	973.785	951.701	0	951.701	1251.01	1251.01
44	1.38959	1506.15	45	Puente Formation	530	25	278.404	905.765	805.831	0	805.831	1084.23	1084.23
45	1.38959	1274.43	45	Puente Formation	530	25	257.496	837.744	659.961	0	659.961	917.458	917.458
46	1.38959	1042.72	45	Puente Formation	530	25	236.589	769.724	514.091	0	514.091	750.68	750.68
47	1.38959	811.003	45	Puente Formation	530	25	215.682	701.704	368.22	0	368.22	583.902	583.902
48	1.38959	579.288	45	Puente Formation	530	25	194.774	633.683	222.349	0	222.349	417.124	417.124
49	1.38959	347.573	45	Puente Formation	530	25	173.867	565.663	76.4796	0	76.4796	250.347	250.347
50	1.38959	115.858	45	Puente Formation	530	25	152.96	497.643	-69.3902	0	-69.3902	83.5697	83.5697

Global Minimum Query (janbu simplified) - Safety Factor: 3.03372

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.34036	161.69	-45	Puente Formation	530	25	228.32	692.66	348.825	0	348.825	120.504	120.504
2	1.34036	485.071	-45	Puente Formation	530	25	272.136	825.583	633.879	0	633.879	361.743	361.743
3	1.34036	808.451	-45	Puente Formation	530	25	315.951	958.506	918.936	0	918.936	602.985	602.985
4	1.34036	1131.83	-45	Puente Formation	530	25	359.766	1091.43	1203.99	0	1203.99	844.226	844.226
5	1.34036	1455.21	-45	Puente Formation	530	25	403.581	1224.35	1489.04	0	1489.04	1085.46	1085.46
6	1.34036	1778.59	-45	Puente Formation	530	25	447.397	1357.28	1774.1	0	1774.1	1326.7	1326.7
7	1.34036	2101.97	-45	Puente Formation	530	25	491.212	1490.2	2059.16	0	2059.16	1567.95	1567.95
8	1.34036	2425.35	-45	Puente Formation	530	25	535.026	1623.12	2344.21	0	2344.21	1809.18	1809.18
9	1.34036	2748.73	-45	Puente Formation	530	25	578.844	1756.05	2629.27	0	2629.27	2050.42	2050.42
10	1.34036	3072.11	-45	Puente Formation	530	25	622.658	1888.97	2914.32	0	2914.32	2291.66	2291.66
11	1.34036	3395.5	-45	Puente Formation	530	25	666.472	2021.89	3199.37	0	3199.37	2532.9	2532.9
12	1.34036	3718.88	-45	Puente Formation	530	25	710.29	2154.82	3484.43	0	3484.43	2774.14	2774.14
13	1.41392	4082.97	30.46	Puente Formation	530	25	567.31	1721.06	2554.24	0	2554.24	2887.88	2887.88
14	1.41392	4061.84	30.46	Puente Formation	530	25	565.204	1714.67	2540.53	0	2540.53	2872.93	2872.93
15	1.41392	4040.7	30.46	Puente Formation	530	25	563.097	1708.28	2526.83	0	2526.83	2857.99	2857.99
16	1.41392	4019.56	30.46	Puente Formation	530	25	560.988	1701.88	2513.12	0	2513.12	2843.04	2843.04
17	1.41392	3998.43	30.46	Puente Formation	530	25	558.882	1695.49	2499.41	0	2499.41	2828.09	2828.09
18	1.41392	3977.29	30.46	Puente Formation	530	25	556.775	1689.1	2485.7	0	2485.7	2813.14	2813.14
19	1.41392	3956.15	30.46	Puente Formation	530	25	554.669	1682.71	2471.99	0	2471.99	2798.19	2798.19
20	1.41392	3935.02	30.46	Puente Formation	530	25	552.559	1676.31	2458.27	0	2458.27	2783.24	2783.24
21	1.41392	3913.88	30.46	Puente Formation	530	25	550.453	1669.92	2444.56	0	2444.56	2768.29	2768.29
22	1.41392	3892.74	30.46	Puente Formation	530	25	548.347	1663.53	2430.85	0	2430.85	2753.34	2753.34
23	1.41392	3871.61	30.46	Puente Formation	530	25	546.237	1657.13	2417.14	0	2417.14	2738.39	2738.39
24	1.41392	3850.47	30.46	Puente Formation	530	25	544.131	1650.74	2403.44	0	2403.44	2723.44	2723.44
25	1.41392	3829.33	30.46	Puente Formation	530	25	542.024	1644.35	2389.73	0	2389.73	2708.49	2708.49
26	1.41392	3806.7	30.46	Puente Formation	530	25	539.766	1637.5	2375.04	0	2375.04	2692.48	2692.48
27	1.41392	3748.93	30.46	Puente Formation	530	25	534.008	1620.03	2337.57	0	2337.57	2651.62	2651.62
28	1.41392	3676.39	30.46	Puente Formation	530	25	526.772	1598.08	2290.51	0	2290.51	2600.31	2600.31
29	1.41392	3603.85	30.46	Puente Formation	530	25	519.54	1576.14	2243.46	0	2243.46	2549.01	2549.01
30	1.41392	3531.3	30.46	Puente Formation	530	25	512.308	1554.2	2196.4	0	2196.4	2497.69	2497.69
31	1.41392	3460.93	30.46	Puente Formation	530	25	505.294	1532.92	2150.76	0	2150.76	2447.92	2447.92
32	1.41392	3426.87	30.46	Puente Formation	530	25	501.897	1522.61	2128.67	0	2128.67	2423.83	2423.83
33	1.41392	3405.74	30.46	Puente Formation	530	25	499.789	1516.22	2114.95	0	2114.95	2408.88	2408.88

34	1.41392	3378.2	30.46	Puente Formation	530	25	497.044	1507.89	2097.1	0	2097.1	2389.41	2389.41
35	1.41392	3305.77	30.46	Puente Formation	530	25	489.823	1485.99	2050.11	0	2050.11	2338.18	2338.18
36	1.41392	3224.66	30.46	Puente Formation	530	25	481.736	1461.45	1997.5	0	1997.5	2280.81	2280.81
37	1.41392	3131.54	30.46	Puente Formation	530	25	472.451	1433.28	1937.1	0	1937.1	2214.95	2214.95
38	1.38959	2896.44	45	Puente Formation	530	25	429.161	1301.95	1655.46	0	1655.46	2084.63	2084.63
39	1.38959	2664.72	45	Puente Formation	530	25	406.944	1234.55	1510.92	0	1510.92	1917.86	1917.86
40	1.38959	2433.01	45	Puente Formation	530	25	384.726	1167.15	1366.37	0	1366.37	1751.1	1751.1
41	1.38959	2201.29	45	Puente Formation	530	25	362.508	1099.75	1221.83	0	1221.83	1584.34	1584.34
42	1.38959	1969.58	45	Puente Formation	530	25	340.29	1032.35	1077.28	0	1077.28	1417.57	1417.57
43	1.38959	1737.86	45	Puente Formation	530	25	318.072	964.942	932.736	0	932.736	1250.81	1250.81
44	1.38959	1506.15	45	Puente Formation	530	25	295.854	897.539	788.189	0	788.189	1084.04	1084.04
45	1.38959	1274.43	45	Puente Formation	530	25	273.637	830.137	643.647	0	643.647	917.284	917.284
46	1.38959	1042.72	45	Puente Formation	530	25	251.419	762.734	499.1	0	499.1	750.519	750.519
47	1.38959	811.003	45	Puente Formation	530	25	229.201	695.332	354.555	0	354.555	583.756	583.756
48	1.38959	579.288	45	Puente Formation	530	25	206.983	627.929	210.01	0	210.01	416.993	416.993
49	1.38959	347.573	45	Puente Formation	530	25	184.765	560.526	65.4638	0	65.4638	250.229	250.229
50	1.38959	115.858	45	Puente Formation	530	25	162.548	493.124	-79.0814	0	-79.0814	83.4661	83.4661

Block - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.97212

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	0.204179	164.353	82.7541	Puente Formation	530	25	54.7583	107.99	-905.003	0	-905.003	-474.319	-474.319
2	1.70275	1306.99	-1	Puente Formation	335	20	312.538	616.362	773.032	0	773.032	767.577	767.577
3	1.70275	1487.03	-1	Puente Formation	335	20	332.114	654.969	879.109	0	879.109	873.312	873.312
4	1.70275	1667.06	-1	Puente Formation	335	20	351.691	693.577	985.18	0	985.18	979.042	979.042
5	1.70275	1847.1	-1	Puente Formation	335	20	371.267	732.184	1091.25	0	1091.25	1084.77	1084.77
6	1.70275	2027.13	-1	Puente Formation	335	20	390.844	770.792	1197.33	0	1197.33	1190.51	1190.51
7	1.70275	2207.17	-1	Puente Formation	335	20	410.421	809.399	1303.4	0	1303.4	1296.24	1296.24
8	1.70275	2387.2	-1	Puente Formation	335	20	429.998	848.007	1409.48	0	1409.48	1401.97	1401.97
9	1.70275	2567.23	-1	Puente Formation	335	20	449.574	886.614	1515.55	0	1515.55	1507.7	1507.7
10	1.70275	2747.27	-1	Puente Formation	335	20	469.151	925.222	1621.62	0	1621.62	1613.43	1613.43
11	1.70275	2927.3	-1	Puente Formation	335	20	488.727	963.829	1727.7	0	1727.7	1719.17	1719.17
12	1.70275	3107.34	-1	Puente Formation	335	20	508.304	1002.44	1833.77	0	1833.77	1824.89	1824.89
13	1.70275	3287.37	-1	Puente Formation	335	20	527.881	1041.04	1939.84	0	1939.84	1930.62	1930.62
14	1.70275	3467.4	-1	Puente Formation	335	20	547.458	1079.65	2045.92	0	2045.92	2036.36	2036.36
15	1.70275	3647.44	-1	Puente Formation	335	20	567.034	1118.26	2151.99	0	2151.99	2142.09	2142.09
16	1.70275	3827.47	-1	Puente Formation	335	20	586.611	1156.87	2258.06	0	2258.06	2247.82	2247.82
17	1.70275	4007.51	-1	Puente Formation	335	20	606.187	1195.47	2364.13	0	2364.13	2353.55	2353.55
18	1.70275	4187.54	-1	Puente Formation	335	20	625.764	1234.08	2470.21	0	2470.21	2459.28	2459.28
19	1.70275	4367.57	-1	Puente Formation	335	20	645.341	1272.69	2576.28	0	2576.28	2565.01	2565.01
20	1.70275	4547.61	-1	Puente Formation	335	20	664.917	1311.3	2682.35	0	2682.35	2670.75	2670.75
21	1.70275	4727.64	-1	Puente Formation	335	20	684.492	1349.9	2788.43	0	2788.43	2776.48	2776.48
22	1.70275	4907.68	-1	Puente Formation	335	20	704.07	1388.51	2894.5	0	2894.5	2882.21	2882.21
23	1.70275	5087.71	-1	Puente Formation	335	20	723.648	1427.12	3000.57	0	3000.57	2987.94	2987.94
24	1.70275	5267.75	-1	Puente Formation	335	20	743.226	1465.73	3106.64	0	3106.64	3093.67	3093.67
25	1.69695	5307.08	34.5163	Puente Formation	530	25	867.209	1710.24	2531.04	0	2531.04	3127.42	3127.42
26	1.69695	5242.22	34.5163	Puente Formation	530	25	859.436	1694.91	2498.17	0	2498.17	3089.2	3089.2
27	1.69695	5177.36	34.5163	Puente Formation	530	25	851.662	1679.58	2465.29	0	2465.29	3050.98	3050.98
28	1.69695	5112.5	34.5163	Puente Formation	530	25	843.889	1664.25	2432.42	0	2432.42	3012.76	3012.76
29	1.69695	5047.64	34.5163	Puente Formation	530	25	836.115	1648.92	2399.54	0	2399.54	2974.54	2974.54
30	1.69695	4982.77	34.5163	Puente Formation	530	25	828.342	1633.59	2366.66	0	2366.66	2936.31	2936.31
31	1.69695	4917.91	34.5163	Puente Formation	530	25	820.569	1618.26	2333.79	0	2333.79	2898.09	2898.09
32	1.69695	4853.05	34.5163	Puente Formation	530	25	812.795	1602.93	2300.91	0	2300.91	2859.87	2859.87

33	1.69695	4788.19	34.5163	Puente Formation	530	25	805.022	1587.6	2268.03	0	2268.03	2821.65	2821.65
34	1.69695	4723.33	34.5163	Puente Formation	530	25	797.249	1572.27	2235.15	0	2235.15	2783.42	2783.42
35	1.74642	4730.01	45.9326	Puente Formation	530	25	730.664	1440.96	1953.56	0	1953.56	2708.4	2708.4
36	1.74642	4492.03	45.9326	Puente Formation	530	25	704.77	1389.89	1844.04	0	1844.04	2572.13	2572.13
37	1.74642	4218.49	45.9326	Puente Formation	530	25	675.006	1331.19	1718.16	0	1718.16	2415.51	2415.51
38	1.74642	3944.95	45.9326	Puente Formation	530	25	645.241	1272.49	1592.28	0	1592.28	2258.88	2258.88
39	1.74642	3671.47	45.9326	Puente Formation	530	25	615.484	1213.81	1466.43	0	1466.43	2102.29	2102.29
40	1.74642	3440.18	45.9326	Puente Formation	530	25	590.317	1164.17	1359.99	0	1359.99	1969.85	1969.85
41	1.74642	3245.07	45.9326	Puente Formation	530	25	569.086	1122.31	1270.2	0	1270.2	1858.12	1858.12
42	1.74642	3024.29	45.9326	Puente Formation	530	25	545.063	1074.93	1168.6	0	1168.6	1731.71	1731.71
43	1.74642	2740.56	45.9326	Puente Formation	530	25	514.189	1014.04	1038.03	0	1038.03	1569.24	1569.24
44	1.74642	2444.32	45.9326	Puente Formation	530	25	481.955	950.474	901.707	0	901.707	1399.61	1399.61
45	1.74642	2079.61	45.9326	Puente Formation	530	25	442.271	872.212	733.875	0	733.875	1190.78	1190.78
46	1.74642	1701.5	45.9326	Puente Formation	530	25	401.128	791.073	559.873	0	559.873	974.277	974.277
47	1.74642	1323.39	45.9326	Puente Formation	530	25	359.986	709.935	385.872	0	385.872	757.772	757.772
48	1.74642	945.278	45.9326	Puente Formation	530	25	318.843	628.797	211.87	0	211.87	541.266	541.266
49	1.74642	567.167	45.9326	Puente Formation	530	25	277.7	547.658	37.868	0	37.868	324.759	324.759
50	1.74642	189.056	45.9326	Puente Formation	530	25	236.557	466.52	-136.134	0	-136.134	108.253	108.253

Global Minimum Query (janbu simplified) - Safety Factor: 1.87244

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	0.204179	164.353	82.7541	Puente Formation	530	25	55.7438	104.377	-912.75	0	-912.75	-474.314	-474.314
2	1.70275	1306.99	-1	Puente Formation	335	20	329.232	616.468	773.326	0	773.326	767.579	767.579
3	1.70275	1487.03	-1	Puente Formation	335	20	349.855	655.082	879.421	0	879.421	873.314	873.314
4	1.70275	1667.06	-1	Puente Formation	335	20	370.477	693.696	985.509	0	985.509	979.043	979.043
5	1.70275	1847.1	-1	Puente Formation	335	20	391.099	732.31	1091.6	0	1091.6	1084.77	1084.77
6	1.70275	2027.13	-1	Puente Formation	335	20	411.722	770.924	1197.69	0	1197.69	1190.51	1190.51
7	1.70275	2207.17	-1	Puente Formation	335	20	432.344	809.538	1303.78	0	1303.78	1296.23	1296.23
8	1.70275	2387.2	-1	Puente Formation	335	20	452.967	848.153	1409.88	0	1409.88	1401.97	1401.97
9	1.70275	2567.23	-1	Puente Formation	335	20	473.589	886.767	1515.96	0	1515.96	1507.7	1507.7
10	1.70275	2747.27	-1	Puente Formation	335	20	494.211	925.381	1622.06	0	1622.06	1613.43	1613.43
11	1.70275	2927.3	-1	Puente Formation	335	20	514.834	963.995	1728.15	0	1728.15	1719.16	1719.16
12	1.70275	3107.34	-1	Puente Formation	335	20	535.456	1002.61	1834.24	0	1834.24	1824.9	1824.9
13	1.70275	3287.37	-1	Puente Formation	335	20	556.078	1041.22	1940.33	0	1940.33	1930.63	1930.63
14	1.70275	3467.4	-1	Puente Formation	335	20	576.7	1079.84	2046.43	0	2046.43	2036.36	2036.36
15	1.70275	3647.44	-1	Puente Formation	335	20	597.323	1118.45	2152.52	0	2152.52	2142.09	2142.09
16	1.70275	3827.47	-1	Puente Formation	335	20	617.946	1157.07	2258.6	0	2258.6	2247.82	2247.82
17	1.70275	4007.51	-1	Puente Formation	335	20	638.568	1195.68	2364.7	0	2364.7	2353.55	2353.55
18	1.70275	4187.54	-1	Puente Formation	335	20	659.19	1234.29	2470.79	0	2470.79	2459.28	2459.28
19	1.70275	4367.57	-1	Puente Formation	335	20	679.812	1272.91	2576.88	0	2576.88	2565.02	2565.02
20	1.70275	4547.61	-1	Puente Formation	335	20	700.435	1311.52	2682.97	0	2682.97	2670.74	2670.74
21	1.70275	4727.64	-1	Puente Formation	335	20	721.059	1350.14	2789.07	0	2789.07	2776.48	2776.48
22	1.70275	4907.68	-1	Puente Formation	335	20	741.679	1388.75	2895.15	0	2895.15	2882.21	2882.21
23	1.70275	5087.71	-1	Puente Formation	335	20	762.299	1427.36	3001.25	0	3001.25	2987.94	2987.94
24	1.70275	5267.75	-1	Puente Formation	335	20	782.925	1465.98	3107.34	0	3107.34	3093.67	3093.67
25	1.69695	5307.08	34.5163	Puente Formation	530	25	906.63	1697.61	2503.94	0	2503.94	3127.43	3127.43
26	1.69695	5242.22	34.5163	Puente Formation	530	25	898.501	1682.39	2471.3	0	2471.3	3089.21	3089.21
27	1.69695	5177.36	34.5163	Puente Formation	530	25	890.373	1667.17	2438.67	0	2438.67	3050.98	3050.98
28	1.69695	5112.5	34.5163	Puente Formation	530	25	882.245	1651.95	2406.04	0	2406.04	3012.76	3012.76
29	1.69695	5047.64	34.5163	Puente Formation	530	25	874.121	1636.74	2373.41	0	2373.41	2974.54	2974.54
30	1.69695	4982.77	34.5163	Puente Formation	530	25	865.993	1621.52	2340.77	0	2340.77	2936.32	2936.32
31	1.69695	4917.91	34.5163	Puente Formation	530	25	857.865	1606.3	2308.14	0	2308.14	2898.09	2898.09
32	1.69695	4853.05	34.5163	Puente Formation	530	25	849.742	1591.09	2275.5	0	2275.5	2859.87	2859.87
33	1.69695	4788.19	34.5163	Puente Formation	530	25	841.613	1575.87	2242.87	0	2242.87	2821.65	2821.65

34	1.69695	4723.33	34.5163	Puente Formation	530	25	833.485	1560.65	2210.24	0	2210.24	2783.42	2783.42
35	1.74642	4730.01	45.9326	Puente Formation	530	25	761.602	1426.05	1921.59	0	1921.59	2708.4	2708.4
36	1.74642	4492.03	45.9326	Puente Formation	530	25	734.611	1375.51	1813.22	0	1813.22	2572.14	2572.14
37	1.74642	4218.49	45.9326	Puente Formation	530	25	703.587	1317.42	1688.64	0	1688.64	2415.51	2415.51
38	1.74642	3944.95	45.9326	Puente Formation	530	25	672.562	1259.33	1564.06	0	1564.06	2258.88	2258.88
39	1.74642	3671.47	45.9326	Puente Formation	530	25	641.544	1201.25	1439.51	0	1439.51	2102.29	2102.29
40	1.74642	3440.18	45.9326	Puente Formation	530	25	615.312	1152.13	1334.17	0	1334.17	1969.85	1969.85
41	1.74642	3245.07	45.9326	Puente Formation	530	25	593.183	1110.7	1245.31	0	1245.31	1858.13	1858.13
42	1.74642	3024.29	45.9326	Puente Formation	530	25	568.142	1063.81	1144.76	0	1144.76	1731.71	1731.71
43	1.74642	2740.56	45.9326	Puente Formation	530	25	535.961	1003.56	1015.54	0	1015.54	1569.24	1569.24
44	1.74642	2444.32	45.9326	Puente Formation	530	25	502.362	940.643	880.628	0	880.628	1399.62	1399.62
45	1.74642	2079.61	45.9326	Puente Formation	530	25	460.998	863.191	714.532	0	714.532	1190.79	1190.79
46	1.74642	1701.5	45.9326	Puente Formation	530	25	418.113	782.892	542.327	0	542.327	974.278	974.278
47	1.74642	1323.39	45.9326	Puente Formation	530	25	375.228	702.592	370.125	0	370.125	757.772	757.772
48	1.74642	945.278	45.9326	Puente Formation	530	25	332.343	622.293	197.923	0	197.923	541.266	541.266
49	1.74642	567.167	45.9326	Puente Formation	530	25	289.459	541.994	25.7209	0	25.7209	324.759	324.759
50	1.74642	189.056	45.9326	Puente Formation	530	25	246.574	461.695	-146.481	0	-146.481	108.253	108.253

Block - Block Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.10479

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.3911	3804.82	-45	Puente Formation	530	25	2132.44	2355.9	3915.64	0	3915.64	1783.2	1783.2
2	2.3911	4833.94	-45	Puente Formation	530	25	2305.55	2547.15	4325.81	0	4325.81	2020.26	2020.26
3	2.3911	5863.06	-45	Puente Formation	530	25	2619.75	2894.27	5070.21	0	5070.21	2450.46	2450.46
4	2.19696	6020.8	-3.19946	Puente Formation	335	20	1228.7	1357.45	2809.16	0	2809.16	2740.48	2740.48
5	2.19696	6342.77	-3.19946	Puente Formation	335	20	1277.88	1411.79	2958.46	0	2958.46	2887.03	2887.03
6	2.19696	6664.75	-3.19946	Puente Formation	335	20	1327.07	1466.13	3107.76	0	3107.76	3033.58	3033.58
7	2.19696	6986.72	-3.19946	Puente Formation	335	20	1376.25	1520.47	3257.06	0	3257.06	3180.13	3180.13
8	2.19696	7308.69	-3.19946	Puente Formation	335	20	1425.45	1574.82	3406.37	0	3406.37	3326.69	3326.69
9	2.19696	7630.67	-3.19946	Puente Formation	335	20	1474.63	1629.16	3555.67	0	3555.67	3473.24	3473.24
10	2.19696	7952.64	-3.19946	Puente Formation	335	20	1523.82	1683.5	3704.97	0	3704.97	3619.79	3619.79
11	2.19696	8274.62	-3.19946	Puente Formation	335	20	1573	1737.84	3854.27	0	3854.27	3766.34	3766.34
12	2.19696	8596.59	-3.19946	Puente Formation	335	20	1622.19	1792.18	4003.58	0	4003.58	3912.9	3912.9
13	2.19696	8918.57	-3.19946	Puente Formation	335	20	1671.38	1846.52	4152.88	0	4152.88	4059.45	4059.45
14	2.19696	9240.54	-3.19946	Puente Formation	335	20	1720.57	1900.87	4302.18	0	4302.18	4206	4206
15	2.19696	9562.51	-3.19946	Puente Formation	335	20	1769.76	1955.21	4451.48	0	4451.48	4352.55	4352.55
16	2.19696	9884.49	-3.19946	Puente Formation	335	20	1818.94	2009.55	4600.78	0	4600.78	4499.1	4499.1
17	2.19696	10206.5	-3.19946	Puente Formation	335	20	1868.13	2063.89	4750.07	0	4750.07	4645.64	4645.64
18	2.19696	10528.4	-3.19946	Puente Formation	335	20	1917.31	2118.23	4899.41	0	4899.41	4792.23	4792.23
19	2.19696	10850.4	-3.19946	Puente Formation	335	20	1966.5	2172.57	5048.7	0	5048.7	4938.77	4938.77
20	2.19696	11172.4	-3.19946	Puente Formation	335	20	2015.7	2226.92	5197.99	0	5197.99	5085.32	5085.32
21	2.20899	11335.2	35.2097	Puente Formation	530	25	2038.72	2252.36	3693.6	0	3693.6	5132.28	5132.28
22	2.20899	11214.8	35.2097	Puente Formation	530	25	2020.98	2232.76	3651.59	0	3651.59	5077.75	5077.75
23	2.20899	11094.4	35.2097	Puente Formation	530	25	2003.25	2213.17	3609.58	0	3609.58	5023.22	5023.22
24	2.20899	10973.9	35.2097	Puente Formation	530	25	1985.52	2193.58	3567.56	0	3567.56	4968.69	4968.69
25	2.20899	10853.5	35.2097	Puente Formation	530	25	1967.79	2173.99	3525.55	0	3525.55	4914.17	4914.17
26	2.20899	10733.1	35.2097	Puente Formation	530	25	1950.05	2154.4	3483.53	0	3483.53	4859.64	4859.64
27	2.20899	10562	35.2097	Puente Formation	530	25	1924.86	2126.57	3423.86	0	3423.86	4782.18	4782.18
28	2.20899	10316.7	35.2097	Puente Formation	530	25	1888.75	2086.67	3338.29	0	3338.29	4671.14	4671.14
29	2.20899	10070.8	35.2097	Puente Formation	530	25	1852.54	2046.67	3252.51	0	3252.51	4559.8	4559.8
30	2.20899	9858.3	35.2097	Puente Formation	530	25	1821.25	2012.1	3178.37	0	3178.37	4463.58	4463.58
31	2.20899	9733.27	35.2097	Puente Formation	530	25	1802.84	1991.76	3134.75	0	3134.75	4406.97	4406.97
32	2.20899	9551.06	35.2097	Puente Formation	530	25	1776.01	1962.12	3071.19	0	3071.19	4324.47	4324.47

33	2.20899	9283.86	35.2097	Puente Formation	530	25	1736.66	1918.65	2977.97	0	2977.97	4203.5	4203.5
34	2.20899	8928.89	35.2097	Puente Formation	530	25	1684.4	1860.91	2854.14	0	2854.14	4042.78	4042.78
35	2.20899	8515.67	35.2097	Puente Formation	530	25	1623.56	1793.69	2709.99	0	2709.99	3855.69	3855.69
36	2.20899	8102.46	35.2097	Puente Formation	530	25	1562.71	1726.47	2565.84	0	2565.84	3668.61	3668.61
37	2.20899	7689.25	35.2097	Puente Formation	530	25	1501.87	1659.25	2421.69	0	2421.69	3481.52	3481.52
38	2.20899	7276.03	35.2097	Puente Formation	530	25	1441.02	1592.03	2277.54	0	2277.54	3294.43	3294.43
39	2.20899	6862.82	35.2097	Puente Formation	530	25	1380.19	1524.82	2133.39	0	2133.39	3107.35	3107.35
40	2.28275	6565.8	45	Puente Formation	530	25	1191.24	1316.08	1685.74	0	1685.74	2876.99	2876.99
41	2.28275	5940.48	45	Puente Formation	530	25	1109.93	1226.24	1493.08	0	1493.08	2603.01	2603.01
42	2.28275	5315.17	45	Puente Formation	530	25	1028.61	1136.4	1300.42	0	1300.42	2329.03	2329.03
43	2.28275	4689.86	45	Puente Formation	530	25	947.29	1046.56	1107.76	0	1107.76	2055.05	2055.05
44	2.28275	4064.54	45	Puente Formation	530	25	865.972	956.717	915.099	0	915.099	1781.07	1781.07
45	2.28275	3439.23	45	Puente Formation	530	25	784.654	866.878	722.437	0	722.437	1507.09	1507.09
46	2.28275	2813.91	45	Puente Formation	530	25	703.336	777.039	529.775	0	529.775	1233.11	1233.11
47	2.28275	2188.6	45	Puente Formation	530	25	622.018	687.199	337.116	0	337.116	959.134	959.134
48	2.28275	1563.29	45	Puente Formation	530	25	540.7	597.36	144.453	0	144.453	685.153	685.153
49	2.28275	937.971	45	Puente Formation	530	25	459.382	507.52	-48.2081	0	-48.2081	411.174	411.174
50	2.28275	312.657	45	Puente Formation	530	25	378.064	417.681	-240.869	0	-240.869	137.194	137.194

Global Minimum Query (janbu simplified) - Safety Factor: 1.01044

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	2.3911	3804.82	-45	Puente Formation	530	25	2503.22	2529.35	4287.63	0	4287.63	1784.41	1784.41
2	2.3911	4833.94	-45	Puente Formation	530	25	2706.43	2734.69	4727.96	0	4727.96	2021.53	2021.53
3	2.3911	5863.06	-45	Puente Formation	530	25	3075.26	3107.37	5527.19	0	5527.19	2451.93	2451.93
4	2.19696	6020.8	-3.19946	Puente Formation	335	20	1345.8	1359.85	2815.74	0	2815.74	2740.51	2740.51
5	2.19696	6342.77	-3.19946	Puente Formation	335	20	1399.67	1414.28	2965.31	0	2965.31	2887.07	2887.07
6	2.19696	6664.75	-3.19946	Puente Formation	335	20	1453.54	1468.72	3114.87	0	3114.87	3033.62	3033.62
7	2.19696	6986.72	-3.19946	Puente Formation	335	20	1507.42	1523.16	3264.44	0	3264.44	3180.17	3180.17
8	2.19696	7308.69	-3.19946	Puente Formation	335	20	1561.3	1577.6	3414.01	0	3414.01	3326.73	3326.73
9	2.19696	7630.67	-3.19946	Puente Formation	335	20	1615.17	1632.03	3563.57	0	3563.57	3473.28	3473.28
10	2.19696	7952.64	-3.19946	Puente Formation	335	20	1669.05	1686.47	3713.14	0	3713.14	3619.84	3619.84
11	2.19696	8274.62	-3.19946	Puente Formation	335	20	1722.92	1740.91	3862.7	0	3862.7	3766.39	3766.39
12	2.19696	8596.59	-3.19946	Puente Formation	335	20	1776.8	1795.35	4012.27	0	4012.27	3912.95	3912.95
13	2.19696	8918.57	-3.19946	Puente Formation	335	20	1830.67	1849.78	4161.83	0	4161.83	4059.5	4059.5
14	2.19696	9240.54	-3.19946	Puente Formation	335	20	1884.55	1904.22	4311.4	0	4311.4	4206.06	4206.06
15	2.19696	9562.51	-3.19946	Puente Formation	335	20	1938.42	1958.66	4460.97	0	4460.97	4352.61	4352.61
16	2.19696	9884.49	-3.19946	Puente Formation	335	20	1992.3	2013.1	4610.55	0	4610.55	4499.18	4499.18
17	2.19696	10206.5	-3.19946	Puente Formation	335	20	2046.17	2067.53	4760.11	0	4760.11	4645.74	4645.74
18	2.19696	10528.4	-3.19946	Puente Formation	335	20	2100.05	2121.97	4909.68	0	4909.68	4792.29	4792.29
19	2.19696	10850.4	-3.19946	Puente Formation	335	20	2153.92	2176.41	5059.24	0	5059.24	4938.84	4938.84
20	2.19696	11172.4	-3.19946	Puente Formation	335	20	2207.8	2230.85	5208.81	0	5208.81	5085.39	5085.39
21	2.20899	11335.2	35.2097	Puente Formation	530	25	2182.04	2204.82	3591.65	0	3591.65	5131.46	5131.46
22	2.20899	11214.8	35.2097	Puente Formation	530	25	2163.06	2185.64	3550.53	0	3550.53	5076.94	5076.94
23	2.20899	11094.4	35.2097	Puente Formation	530	25	2144.08	2166.46	3509.4	0	3509.4	5022.42	5022.42
24	2.20899	10973.9	35.2097	Puente Formation	530	25	2125.09	2147.28	3468.27	0	3468.27	4967.9	4967.9
25	2.20899	10853.5	35.2097	Puente Formation	530	25	2106.11	2128.1	3427.14	0	3427.14	4913.38	4913.38
26	2.20899	10733.1	35.2097	Puente Formation	530	25	2087.14	2108.93	3386.02	0	3386.02	4858.86	4858.86
27	2.20899	10562	35.2097	Puente Formation	530	25	2060.18	2081.69	3327.6	0	3327.6	4781.42	4781.42
28	2.20899	10316.7	35.2097	Puente Formation	530	25	2021.53	2042.63	3243.84	0	3243.84	4670.38	4670.38
29	2.20899	10070.8	35.2097	Puente Formation	530	25	1982.77	2003.47	3159.87	0	3159.87	4559.06	4559.06
30	2.20899	9858.3	35.2097	Puente Formation	530	25	1949.28	1969.63	3087.29	0	3087.29	4462.85	4462.85
31	2.20899	9733.27	35.2097	Puente Formation	530	25	1929.58	1949.72	3044.6	0	3044.6	4406.25	4406.25
32	2.20899	9551.06	35.2097	Puente Formation	530	25	1900.86	1920.7	2982.38	0	2982.38	4323.76	4323.76
33	2.20899	9283.86	35.2097	Puente Formation	530	25	1858.75	1878.16	2891.13	0	2891.13	4202.81	4202.81

34	2.20899	8928.89	35.2097	Puente Formation	530	25	1802.81	1821.63	2769.91	0	2769.91	4042.11	4042.11
35	2.20899	8515.67	35.2097	Puente Formation	530	25	1737.69	1755.83	2628.8	0	2628.8	3855.05	3855.05
36	2.20899	8102.46	35.2097	Puente Formation	530	25	1672.57	1690.03	2487.7	0	2487.7	3667.99	3667.99
37	2.20899	7689.25	35.2097	Puente Formation	530	25	1607.45	1624.23	2346.59	0	2346.59	3480.92	3480.92
38	2.20899	7276.03	35.2097	Puente Formation	530	25	1542.33	1558.43	2205.48	0	2205.48	3293.86	3293.86
39	2.20899	6862.82	35.2097	Puente Formation	530	25	1477.21	1492.63	2064.37	0	2064.37	3106.8	3106.8
40	2.28275	6565.8	45	Puente Formation	530	25	1267.14	1280.37	1609.17	0	1609.17	2876.31	2876.31
41	2.28275	5940.48	45	Puente Formation	530	25	1180.64	1192.97	1421.74	0	1421.74	2602.38	2602.38
42	2.28275	5315.17	45	Puente Formation	530	25	1094.14	1105.57	1234.3	0	1234.3	2328.45	2328.45
43	2.28275	4689.86	45	Puente Formation	530	25	1007.64	1018.16	1046.87	0	1046.87	2054.51	2054.51
44	2.28275	4064.54	45	Puente Formation	530	25	921.145	930.762	859.435	0	859.435	1780.58	1780.58
45	2.28275	3439.23	45	Puente Formation	530	25	834.645	843.359	672.001	0	672.001	1506.65	1506.65
46	2.28275	2813.91	45	Puente Formation	530	25	748.146	755.957	484.568	0	484.568	1232.71	1232.71
47	2.28275	2188.6	45	Puente Formation	530	25	661.647	668.555	297.133	0	297.133	958.78	958.78
48	2.28275	1563.29	45	Puente Formation	530	25	575.149	581.153	109.698	0	109.698	684.847	684.847
49	2.28275	937.971	45	Puente Formation	530	25	488.65	493.751	-77.736	0	-77.736	410.914	410.914
50	2.28275	312.657	45	Puente Formation	530	25	402.151	406.349	-265.17	0	-265.17	136.98	136.98

Block - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.15144

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.75495	2305.79	-4.43367	Puente Formation	335	20	419.213	901.912	1557.58	0	1557.58	1525.07	1525.07
2	1.75495	2515.74	-3.35264	Puente Formation	335	20	402.206	865.322	1457.05	0	1457.05	1433.48	1433.48
3	1.75495	2718.69	-2.27281	Puente Formation	335	20	420.609	904.916	1565.83	0	1565.83	1549.14	1549.14
4	1.75495	2914.67	-1.19378	Puente Formation	335	20	438.223	942.811	1669.94	0	1669.94	1660.81	1660.81
5	1.75495	3103.68	-0.115173	Puente Formation	392.514	21.512	506.631	1089.99	1769.54	0	1769.54	1768.52	1768.52
6	1.75495	3285.73	0.963392	Puente Formation	462.62	23.3134	588.074	1265.21	1862.38	0	1862.38	1872.27	1872.27
7	1.75495	3460.83	2.0423	Puente Formation	530	25	668.607	1438.47	1948.22	0	1948.22	1972.06	1972.06
8	1.75495	3628.95	3.12193	Puente Formation	530	25	686.426	1476.8	2030.43	0	2030.43	2067.87	2067.87
9	1.75495	3790.09	4.20267	Puente Formation	530	25	703.243	1512.99	2108.02	0	2108.02	2159.7	2159.7
10	1.75495	3944.21	5.28492	Puente Formation	530	25	719.063	1547.02	2181.02	0	2181.02	2247.53	2247.53
11	1.75495	4091.28	6.36905	Puente Formation	530	25	733.895	1578.93	2249.43	0	2249.43	2331.35	2331.35
12	1.75495	4231.26	7.45549	Puente Formation	530	25	747.732	1608.7	2313.27	0	2313.27	2411.12	2411.12
13	1.75495	4364.1	8.54463	Puente Formation	530	25	760.579	1636.34	2372.56	0	2372.56	2486.84	2486.84
14	1.75495	4489.75	9.63688	Puente Formation	530	25	772.441	1661.86	2427.29	0	2427.29	2558.45	2558.45
15	1.75495	4608.14	10.7327	Puente Formation	530	25	783.313	1685.25	2477.45	0	2477.45	2625.92	2625.92
16	1.75495	4719.19	11.8325	Puente Formation	530	25	793.194	1706.51	2523.04	0	2523.04	2689.22	2689.22
17	1.75495	4822.82	12.9367	Puente Formation	530	25	802.081	1725.63	2564.04	0	2564.04	2748.28	2748.28
18	1.75495	4918.94	14.0459	Puente Formation	530	25	809.969	1742.6	2600.43	0	2600.43	2803.07	2803.07
19	1.75495	5007.43	15.1604	Puente Formation	530	25	816.853	1757.41	2632.18	0	2632.18	2853.51	2853.51
20	1.75495	5088.18	16.2809	Puente Formation	530	25	822.719	1770.03	2659.25	0	2659.25	2899.54	2899.54
21	1.75495	5161.06	17.4078	Puente Formation	530	25	827.567	1780.46	2681.62	0	2681.62	2941.08	2941.08
22	1.75495	5225.94	18.5417	Puente Formation	530	25	831.383	1788.67	2699.22	0	2699.22	2978.07	2978.07
23	1.75495	5282.64	19.6832	Puente Formation	530	25	834.153	1794.63	2712.01	0	2712.01	3010.4	3010.4
24	1.75495	5331.02	20.8328	Puente Formation	530	25	835.868	1798.32	2719.91	0	2719.91	3037.98	3037.98
25	1.75495	5370.86	21.9914	Puente Formation	530	25	836.51	1799.7	2722.88	0	2722.88	3060.7	3060.7
26	1.75495	5401.98	23.1594	Puente Formation	530	25	836.063	1798.74	2720.82	0	2720.82	3078.45	3078.45
27	1.75495	5424.14	24.3378	Puente Formation	530	25	834.506	1795.39	2713.64	0	2713.64	3091.09	3091.09
28	1.75495	5437.1	25.5272	Puente Formation	530	25	831.82	1789.61	2701.25	0	2701.25	3098.49	3098.49
29	1.75495	5440.59	26.7285	Puente Formation	530	25	827.985	1781.36	2683.55	0	2683.55	3100.5	3100.5
30	1.75495	5434.3	27.9427	Puente Formation	530	25	822.97	1770.57	2660.41	0	2660.41	3096.94	3096.94
31	1.75495	5417.92	29.1707	Puente Formation	530	25	816.746	1757.18	2631.71	0	2631.71	3087.62	3087.62
32	1.75495	5391.09	30.4135	Puente Formation	530	25	809.286	1741.13	2597.29	0	2597.29	3072.35	3072.35

33	1.75495	5353.4	31.6725	Puente Formation	530	25	800.552	1722.34	2556.99	0	2556.99	3050.89	3050.89
34	1.75495	5268.62	32.9487	Puente Formation	530	25	786.631	1692.39	2492.75	0	2492.75	3002.6	3002.6
35	1.75495	5128.75	34.2436	Puente Formation	530	25	766.738	1649.59	2400.98	0	2400.98	2922.91	2922.91
36	1.75495	4976.46	35.5588	Puente Formation	530	25	745.547	1604	2303.19	0	2303.19	2836.14	2836.14
37	1.75495	4811.24	36.8959	Puente Formation	530	25	723.013	1555.52	2199.23	0	2199.23	2742	2742
38	1.75495	4669.04	38.257	Puente Formation	530	25	702.953	1512.36	2106.68	0	2106.68	2660.98	2660.98
39	1.75495	4554.94	39.644	Puente Formation	530	25	685.839	1475.54	2027.72	0	2027.72	2595.98	2595.98
40	1.75495	4404.12	41.0594	Puente Formation	530	25	664.851	1430.39	1930.89	0	1930.89	2510.05	2510.05
41	1.75495	4170.82	42.5061	Puente Formation	530	25	635.355	1366.93	1794.8	0	1794.8	2377.12	2377.12
42	1.75495	3907.96	43.987	Puente Formation	530	25	602.958	1297.23	1645.33	0	1645.33	2227.33	2227.33
43	1.75495	3557.95	45.506	Puente Formation	530	25	561.913	1208.92	1455.95	0	1455.95	2027.88	2027.88
44	1.75495	3171.23	47.0671	Puente Formation	530	25	517.538	1113.45	1251.21	0	1251.21	1807.51	1807.51
45	1.75495	2762.44	48.6754	Puente Formation	530	25	471.416	1014.22	1038.42	0	1038.42	1574.56	1574.56
46	1.75495	2329.4	50.337	Puente Formation	530	25	423.442	911.009	817.075	0	817.075	1327.78	1327.78
47	1.75495	1869.51	52.0589	Puente Formation	530	25	373.494	803.551	586.633	0	586.633	1065.7	1065.7
48	1.75495	1379.53	53.8501	Puente Formation	530	25	321.441	691.561	346.467	0	346.467	786.467	786.467
49	1.75495	855.468	55.7217	Puente Formation	530	25	267.13	574.714	95.889	0	95.889	487.806	487.806
50	1.75495	292.176	57.688	Puente Formation	530	25	210.394	452.651	-165.876	0	-165.876	166.781	166.781

Global Minimum Query (janbu simplified) - Safety Factor: 1.97186

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.60553	2221	-5.21954	Puente Formation	349.27	20.378	503.004	991.854	1729.89	0	1729.89	1683.94	1683.94
2	1.60553	2400.79	-4.06651	Puente Formation	335	20	451.829	890.943	1527.44	0	1527.44	1495.31	1495.31
3	1.60553	2574.32	-2.91513	Puente Formation	335	20	470.271	927.308	1627.35	0	1627.35	1603.4	1603.4
4	1.60553	2741.63	-1.76493	Puente Formation	335	20	487.86	961.991	1722.64	0	1722.64	1707.61	1707.61
5	1.60553	2902.72	-0.615445	Puente Formation	359.996	20.6609	529.397	1043.9	1813.64	0	1813.64	1807.95	1807.95
6	1.60553	3057.6	0.533796	Puente Formation	434.697	22.6016	621.282	1225.08	1898.63	0	1898.63	1904.42	1904.42
7	1.60553	3206.28	1.68325	Puente Formation	509.411	24.4894	714.803	1409.49	1976.02	0	1976.02	1997.02	1997.02
8	1.60553	3348.75	2.83339	Puente Formation	530	25	753.209	1485.22	2048.48	0	2048.48	2085.76	2085.76
9	1.60553	3484.98	3.98467	Puente Formation	530	25	769.417	1517.18	2117.02	0	2117.02	2170.62	2170.62
10	1.60553	3614.97	5.13756	Puente Formation	530	25	784.559	1547.04	2181.04	0	2181.04	2251.57	2251.57
11	1.60553	3738.67	6.29254	Puente Formation	530	25	798.632	1574.79	2240.56	0	2240.56	2328.63	2328.63
12	1.60553	3856.06	7.4501	Puente Formation	530	25	811.65	1600.46	2295.61	0	2295.61	2401.74	2401.74
13	1.60553	3967.08	8.61073	Puente Formation	530	25	823.608	1624.04	2346.17	0	2346.17	2470.89	2470.89
14	1.60553	4071.67	9.77493	Puente Formation	530	25	834.512	1645.54	2392.28	0	2392.28	2536.05	2536.05
15	1.60553	4169.79	10.9432	Puente Formation	530	25	844.35	1664.94	2433.9	0	2433.9	2597.16	2597.16
16	1.60553	4261.34	12.1161	Puente Formation	530	25	853.134	1682.26	2471.04	0	2471.04	2654.18	2654.18
17	1.60553	4346.26	13.2942	Puente Formation	530	25	860.852	1697.48	2503.67	0	2503.67	2707.07	2707.07
18	1.60553	4424.45	14.4781	Puente Formation	530	25	867.501	1710.59	2531.78	0	2531.78	2755.77	2755.77
19	1.60553	4495.79	15.6683	Puente Formation	530	25	873.069	1721.57	2555.32	0	2555.32	2800.21	2800.21
20	1.60553	4560.19	16.8655	Puente Formation	530	25	877.552	1730.41	2574.28	0	2574.28	2840.32	2840.32
21	1.60553	4617.5	18.0703	Puente Formation	530	25	880.935	1737.08	2588.59	0	2588.59	2876.02	2876.02
22	1.60553	4667.59	19.2834	Puente Formation	530	25	883.212	1741.57	2598.21	0	2598.21	2907.22	2907.22
23	1.60553	4710.29	20.5057	Puente Formation	530	25	884.358	1743.83	2603.08	0	2603.08	2933.82	2933.82
24	1.60553	4745.45	21.7377	Puente Formation	530	25	884.368	1743.85	2603.12	0	2603.12	2955.72	2955.72
25	1.60553	4772.86	22.9804	Puente Formation	530	25	883.217	1741.58	2598.25	0	2598.25	2972.8	2972.8
26	1.60553	4792.31	24.2347	Puente Formation	530	25	880.889	1736.99	2588.39	0	2588.39	2984.92	2984.92
27	1.60553	4803.58	25.5014	Puente Formation	530	25	877.349	1730.01	2573.44	0	2573.44	2991.94	2991.94
28	1.60553	4806.4	26.7816	Puente Formation	530	25	872.582	1720.61	2553.28	0	2553.28	2993.7	2993.7
29	1.60553	4800.5	28.0765	Puente Formation	530	25	866.557	1708.73	2527.78	0	2527.78	2990.03	2990.03
30	1.60553	4785.56	29.3872	Puente Formation	530	25	859.234	1694.29	2496.82	0	2496.82	2980.72	2980.72
31	1.60553	4761.23	30.715	Puente Formation	530	25	850.583	1677.23	2460.23	0	2460.23	2965.57	2965.57
32	1.60553	4727.13	32.0614	Puente Formation	530	25	840.557	1657.46	2417.85	0	2417.85	2944.34	2944.34
33	1.60553	4682.83	33.4278	Puente Formation	530	25	829.116	1634.9	2369.47	0	2369.47	2916.75	2916.75

34	1.60553	4627.85	34.8162	Puente Formation	530	25	816.209	1609.45	2314.88	0	2314.88	2882.5	2882.5
35	1.60553	4561.64	36.2284	Puente Formation	530	25	801.771	1580.98	2253.84	0	2253.84	2841.26	2841.26
36	1.60553	4483.59	37.6666	Puente Formation	530	25	785.751	1549.39	2186.09	0	2186.09	2792.66	2792.66
37	1.60553	4367.65	39.1333	Puente Formation	530	25	764.934	1508.34	2098.06	0	2098.06	2720.44	2720.44
38	1.60553	4198	40.6312	Puente Formation	530	25	737.483	1454.21	1981.98	0	1981.98	2614.78	2614.78
39	1.60553	4013.61	42.1635	Puente Formation	530	25	708.287	1396.64	1858.52	0	1858.52	2499.93	2499.93
40	1.60553	3813.95	43.7339	Puente Formation	530	25	677.315	1335.57	1727.55	0	1727.55	2375.58	2375.58
41	1.60553	3606.6	45.3467	Puente Formation	530	25	645.51	1272.86	1593.06	0	1593.06	2246.43	2246.43
42	1.60553	3431.02	47.0069	Puente Formation	530	25	617.521	1217.66	1474.7	0	1474.7	2137.07	2137.07
43	1.60553	3243.59	48.7205	Puente Formation	530	25	588.125	1159.7	1350.4	0	1350.4	2020.33	2020.33
44	1.60553	2994.02	50.4947	Puente Formation	530	25	551.586	1087.65	1195.88	0	1195.88	1864.89	1864.89
45	1.60553	2683.37	52.3384	Puente Formation	530	25	508.297	1002.29	1012.83	0	1012.83	1671.4	1671.4
46	1.60553	2334.42	54.2627	Puente Formation	530	25	461.1	909.224	813.25	0	813.25	1454.06	1454.06
47	1.60553	1896.19	56.2816	Puente Formation	530	25	404.691	797.994	574.714	0	574.714	1181.1	1181.1
48	1.60553	1412.9	58.4138	Puente Formation	530	25	344.435	679.177	319.911	0	319.911	880.084	880.084
49	1.60553	885.931	60.6845	Puente Formation	530	25	280.962	554.017	51.5045	0	51.5045	551.855	551.855
50	1.60553	305.249	63.1295	Puente Formation	530	25	213.914	421.809	-232.016	0	-232.016	190.17	190.17

Block - Curved PStatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.02078

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.85398	2945.02	7.13498	Puente Formation	530	25	997.384	1018.11	1046.76	0	1046.76	1171.61	1171.61
2	1.85398	3097.04	7.84217	Puente Formation	530	25	1206.19	1231.25	1503.84	0	1503.84	1669.97	1669.97
3	1.85398	3243.86	8.55056	Puente Formation	530	25	1233.51	1259.14	1563.64	0	1563.64	1749.1	1749.1
4	1.85398	3385.46	9.26027	Puente Formation	530	25	1259.3	1285.46	1620.1	0	1620.1	1825.42	1825.42
5	1.85398	3521.81	9.97142	Puente Formation	530	25	1283.57	1310.24	1673.23	0	1673.23	1898.9	1898.9
6	1.85398	3652.88	10.6841	Puente Formation	530	25	1306.34	1333.48	1723.07	0	1723.07	1969.53	1969.53
7	1.85398	3778.62	11.3985	Puente Formation	530	25	1327.61	1355.19	1769.63	0	1769.63	2037.29	2037.29
8	1.85398	3899.01	12.1147	Puente Formation	530	25	1347.39	1375.39	1812.94	0	1812.94	2102.16	2102.16
9	1.85398	4014	12.8328	Puente Formation	530	25	1365.7	1394.08	1853.01	0	1853.01	2164.12	2164.12
10	1.85398	4123.54	13.5529	Puente Formation	530	25	1382.53	1411.26	1889.86	0	1889.86	2223.13	2223.13
11	1.85398	4227.59	14.2753	Puente Formation	530	25	1397.9	1426.95	1923.5	0	1923.5	2279.18	2279.18
12	1.85398	4326.09	15	Puente Formation	530	25	1411.8	1441.14	1953.95	0	1953.95	2332.24	2332.24
13	1.85398	4418.98	15.7271	Puente Formation	530	25	1424.26	1453.85	1981.21	0	1981.21	2382.28	2382.28
14	1.85398	4506.22	16.4569	Puente Formation	530	25	1435.26	1465.09	2005.3	0	2005.3	2429.26	2429.26
15	1.85398	4587.74	17.1894	Puente Formation	530	25	1444.81	1474.84	2026.21	0	2026.21	2473.16	2473.16
16	1.85398	4663.46	17.9248	Puente Formation	530	25	1452.92	1483.11	2043.96	0	2043.96	2513.94	2513.94
17	1.85398	4733.33	18.6633	Puente Formation	530	25	1459.59	1489.92	2058.55	0	2058.55	2551.55	2551.55
18	1.85398	4797.26	19.405	Puente Formation	530	25	1464.81	1495.25	2069.98	0	2069.98	2585.96	2585.96
19	1.85398	4855.17	20.1501	Puente Formation	530	25	1468.58	1499.1	2078.24	0	2078.24	2617.13	2617.13
20	1.85398	4906.98	20.8988	Puente Formation	530	25	1470.92	1501.48	2083.35	0	2083.35	2645	2645
21	1.85398	4952.6	21.6512	Puente Formation	530	25	1471.8	1502.38	2085.29	0	2085.29	2669.54	2669.54
22	1.85398	4991.93	22.4076	Puente Formation	530	25	1471.24	1501.81	2084.06	0	2084.06	2690.69	2690.69
23	1.85398	5024.87	23.1681	Puente Formation	530	25	1469.22	1499.75	2079.64	0	2079.64	2708.38	2708.38
24	1.85398	5051.32	23.933	Puente Formation	530	25	1465.75	1496.21	2072.04	0	2072.04	2722.58	2722.58
25	1.85398	5071.15	24.7024	Puente Formation	530	25	1460.82	1491.17	2061.24	0	2061.24	2733.21	2733.21
26	1.85398	5084.25	25.4766	Puente Formation	530	25	1454.41	1484.64	2047.22	0	2047.22	2740.22	2740.22
27	1.85398	5090.49	26.2559	Puente Formation	530	25	1446.54	1476.6	2029.98	0	2029.98	2743.52	2743.52
28	1.85398	5089.73	27.0404	Puente Formation	530	25	1437.18	1467.04	2009.49	0	2009.49	2743.04	2743.04
29	1.85398	5081.83	27.8304	Puente Formation	530	25	1426.33	1455.97	1985.74	0	1985.74	2738.72	2738.72
30	1.85398	5066.62	28.6262	Puente Formation	530	25	1413.97	1443.36	1958.7	0	1958.7	2730.46	2730.46
31	1.85398	5043.95	29.4281	Puente Formation	530	25	1400.11	1429.2	1928.35	0	1928.35	2718.18	2718.18
32	1.85398	4990.98	30.2364	Puente Formation	530	25	1380.32	1409	1885.03	0	1885.03	2689.57	2689.57

33	1.85398	4868.02	31.0514	Puente Formation	530	25	1347.05	1375.04	1812.19	0	1812.19	2623.22	2623.22
34	1.85398	4733.46	31.8734	Puente Formation	530	25	1311.77	1339.03	1734.97	0	1734.97	2550.63	2550.63
35	1.85398	4590.66	32.7028	Puente Formation	530	25	1275.17	1301.67	1654.85	0	1654.85	2473.59	2473.59
36	1.85398	4478.46	33.54	Puente Formation	530	25	1244.63	1270.5	1588	0	1588	2413.05	2413.05
37	1.85398	4406.69	34.3854	Puente Formation	530	25	1221.86	1247.25	1538.14	0	1538.14	2374.31	2374.31
38	1.85398	4294.5	35.2395	Puente Formation	530	25	1191.62	1216.38	1471.95	0	1471.95	2313.78	2313.78
39	1.85398	4103.95	36.1026	Puente Formation	530	25	1147.09	1170.92	1374.47	0	1374.47	2211.02	2211.02
40	1.85398	3881.24	36.9753	Puente Formation	530	25	1097.07	1119.86	1264.96	0	1264.96	2090.92	2090.92
41	1.85398	3572.9	37.8582	Puente Formation	530	25	1031.99	1053.44	1122.51	0	1122.51	1924.68	1924.68
42	1.85398	3247.06	38.7517	Puente Formation	530	25	964.538	984.581	974.851	0	974.851	1749.02	1749.02
43	1.85398	2910.58	39.6566	Puente Formation	530	25	896.027	914.646	824.876	0	824.876	1567.63	1567.63
44	1.85398	2563.02	40.5735	Puente Formation	530	25	826.453	843.627	672.577	0	672.577	1380.27	1380.27
45	1.85398	2203.94	41.5031	Puente Formation	530	25	755.816	771.522	517.944	0	517.944	1186.71	1186.71
46	1.85398	1832.84	42.4463	Puente Formation	530	25	684.111	698.327	360.979	0	360.979	986.673	986.673
47	1.85398	1449.16	43.4039	Puente Formation	530	25	611.34	624.043	201.677	0	201.677	779.872	779.872
48	1.85398	1052.31	44.377	Puente Formation	530	25	537.502	548.671	40.0409	0	40.0409	565.979	565.979
49	1.85398	641.624	45.3664	Puente Formation	530	25	462.603	472.216	-123.919	0	-123.919	344.639	344.639
50	1.85398	216.367	46.3735	Puente Formation	530	25	386.648	394.683	-290.188	0	-290.188	115.457	115.457

Global Minimum Query (janbu simplified) - Safety Factor: 0.931676

Slice Number	Width [ft]	Weight [lbs]	Angle of Slice Base [deg]	Base Material	Base Cohesion [psf]	Base Friction Angle [deg]	Shear Stress [psf]	Shear Strength [psf]	Base Normal Stress [psf]	Pore Pressure [psf]	Effective Normal Stress [psf]	Base Vertical Stress [psf]	Effective Vertical Stress [psf]
1	1.71337	2851.04	-4.11226	Puente Formation	335	20	1158.92	1079.74	2046.14	0	2046.14	1962.82	1962.82
2	1.71337	3049.08	-2.99982	Puente Formation	335	20	1076.82	1003.25	1836.01	0	1836.01	1779.57	1779.57
3	1.71337	3240.26	-1.88851	Puente Formation	335	20	1112.7	1036.68	1927.84	0	1927.84	1891.15	1891.15
4	1.71337	3424.59	-0.77791	Puente Formation	349.436	20.3823	1178.53	1098.01	2014.75	0	2014.75	1998.74	1998.74
5	1.71337	3602.1	0.332397	Puente Formation	421.606	22.2653	1372.89	1279.09	2094.38	0	2094.38	2102.35	2102.35
6	1.71337	3772.78	1.44283	Puente Formation	493.784	24.099	1568.2	1461.06	2162.46	0	2162.46	2201.96	2201.96
7	1.71337	3936.63	2.5538	Puente Formation	530	25	1681.29	1566.42	2222.6	0	2222.6	2297.59	2297.59
8	1.71337	4093.63	3.66574	Puente Formation	530	25	1709.85	1593.03	2279.68	0	2279.68	2389.22	2389.22
9	1.71337	4243.76	4.77906	Puente Formation	530	25	1735.9	1617.3	2331.72	0	2331.72	2476.85	2476.85
10	1.71337	4386.99	5.89419	Puente Formation	530	25	1759.46	1639.25	2378.8	0	2378.8	2560.44	2560.44
11	1.71337	4523.28	7.01157	Puente Formation	530	25	1780.59	1658.93	2420.99	0	2420.99	2639.99	2639.99
12	1.71337	4652.58	8.13164	Puente Formation	530	25	1799.3	1676.36	2458.37	0	2458.37	2715.46	2715.46
13	1.71337	4774.86	9.25485	Puente Formation	530	25	1815.61	1691.56	2490.97	0	2490.97	2786.82	2786.82
14	1.71337	4890.02	10.3817	Puente Formation	530	25	1829.56	1704.56	2518.86	0	2518.86	2854.04	2854.04
15	1.71337	4998.02	11.5125	Puente Formation	530	25	1841.18	1715.38	2542.06	0	2542.06	2917.07	2917.07
16	1.71337	5098.75	12.648	Puente Formation	530	25	1850.46	1724.03	2560.61	0	2560.61	2975.86	2975.86
17	1.71337	5192.14	13.7885	Puente Formation	530	25	1857.44	1730.53	2574.53	0	2574.53	3030.37	3030.37
18	1.71337	5278.07	14.9346	Puente Formation	530	25	1862.1	1734.87	2583.85	0	2583.85	3080.52	3080.52
19	1.71337	5356.43	16.0869	Puente Formation	530	25	1864.46	1737.07	2588.57	0	2588.57	3126.26	3126.26
20	1.71337	5427.1	17.2459	Puente Formation	530	25	1864.52	1737.13	2588.7	0	2588.7	3167.5	3167.5
21	1.71337	5489.92	18.4123	Puente Formation	530	25	1862.29	1735.05	2584.23	0	2584.23	3204.17	3204.17
22	1.71337	5544.75	19.5865	Puente Formation	530	25	1857.74	1730.81	2575.15	0	2575.15	3236.17	3236.17
23	1.71337	5591.41	20.7695	Puente Formation	530	25	1850.88	1724.42	2561.45	0	2561.45	3263.41	3263.41
24	1.71337	5629.72	21.9617	Puente Formation	530	25	1841.7	1715.87	2543.1	0	2543.1	3285.77	3285.77
25	1.71337	5659.47	23.1641	Puente Formation	530	25	1830.17	1705.13	2520.08	0	2520.08	3303.13	3303.13
26	1.71337	5680.43	24.3774	Puente Formation	530	25	1816.29	1692.19	2492.33	0	2492.33	3315.36	3315.36
27	1.71337	5692.35	25.6024	Puente Formation	530	25	1800.01	1677.03	2459.81	0	2459.81	3322.33	3322.33
28	1.71337	5694.96	26.8401	Puente Formation	530	25	1781.33	1659.62	2422.47	0	2422.47	3323.85	3323.85
29	1.71337	5687.96	28.0915	Puente Formation	530	25	1760.19	1639.93	2380.24	0	2380.24	3319.76	3319.76
30	1.71337	5671	29.3577	Puente Formation	530	25	1736.57	1617.92	2333.05	0	2333.05	3309.87	3309.87
31	1.71337	5643.73	30.6398	Puente Formation	530	25	1710.42	1593.56	2280.81	0	2280.81	3293.95	3293.95
32	1.71337	5605.73	31.9392	Puente Formation	530	25	1681.7	1566.8	2223.41	0	2223.41	3271.78	3271.78
33	1.71337	5556.55	33.2572	Puente Formation	530	25	1650.34	1537.58	2160.77	0	2160.77	3243.07	3243.07

34	1.71337	5494.86	34.5954	Puente Formation	530	25	1616.11	1505.69	2092.38	0	2092.38	3207.06	3207.06
35	1.71337	5373.61	35.9556	Puente Formation	530	25	1568.99	1461.79	1998.22	0	1998.22	3136.3	3136.3
36	1.71337	5212.12	37.3396	Puente Formation	530	25	1513.52	1410.11	1887.4	0	1887.4	3042.05	3042.05
37	1.71337	5037.03	38.7496	Puente Formation	530	25	1455.58	1356.13	1771.65	0	1771.65	2939.86	2939.86
38	1.71337	4847.69	40.1881	Puente Formation	530	25	1395.13	1299.81	1650.87	0	1650.87	2829.35	2829.35
39	1.71337	4685.21	41.6578	Puente Formation	530	25	1340.58	1248.99	1541.87	0	1541.87	2734.52	2734.52
40	1.71337	4539.46	43.1618	Puente Formation	530	25	1289.61	1201.5	1440.04	0	1440.04	2649.45	2649.45
41	1.71337	4352.71	44.704	Puente Formation	530	25	1230.73	1146.64	1322.38	0	1322.38	2540.46	2540.46
42	1.71337	4085.45	46.2883	Puente Formation	530	25	1156.72	1077.69	1174.53	0	1174.53	2384.47	2384.47
43	1.71337	3787.37	47.92	Puente Formation	530	25	1077.8	1004.16	1016.84	0	1016.84	2210.5	2210.5
44	1.71337	3401.47	49.605	Puente Formation	530	25	983.824	916.605	829.078	0	829.078	1985.27	1985.27
45	1.71337	2974.21	51.3505	Puente Formation	530	25	884.267	823.85	630.163	0	630.163	1735.9	1735.9
46	1.71337	2518.81	53.1653	Puente Formation	530	25	782.081	728.646	425.999	0	425.999	1470.11	1470.11
47	1.71337	2031.53	55.0606	Puente Formation	530	25	677.183	630.915	216.413	0	216.413	1185.71	1185.71
48	1.71337	1507.66	57.0506	Puente Formation	530	25	569.511	530.599	1.28519	0	1.28519	879.953	879.953
49	1.71337	940.963	59.154	Puente Formation	530	25	459.038	427.675	-219.437	0	-219.437	549.204	549.204
50	1.71337	323.013	61.3963	Puente Formation	530	25	345.82	322.192	-445.644	0	-445.644	188.538	188.538

Interslice Data

Block - Master Scenario

Global Minimum Query (bishop simplified) - Safety Factor: 3.25342

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	207.463	465.231	0	0	0
2	208.803	463.891	724.726	0	0
3	210.143	462.551	1880.88	0	0
4	211.484	461.21	3468.46	0	0
5	212.824	459.87	5487.48	0	0
6	214.164	458.53	7937.92	0	0
7	215.505	457.189	10819.8	0	0
8	216.845	455.849	14133.1	0	0
9	218.185	454.508	17877.8	0	0
10	219.526	453.168	22054	0	0
11	220.866	451.828	26661.6	0	0
12	222.207	450.487	31700.6	0	0
13	223.547	449.147	37171	0	0
14	224.961	449.979	35780.9	0	0
15	226.375	450.81	34399.4	0	0
16	227.789	451.642	33026.7	0	0
17	229.203	452.473	31662.6	0	0
18	230.616	453.305	30307.2	0	0
19	232.03	454.136	28960.4	0	0
20	233.444	454.968	27622.3	0	0
21	234.858	455.799	26292.9	0	0
22	236.272	456.631	24972.2	0	0
23	237.686	457.462	23660.2	0	0
24	239.1	458.294	22356.8	0	0
25	240.514	459.125	21062.1	0	0
26	241.928	459.957	19776.1	0	0
27	243.342	460.788	18499.3	0	0
28	244.756	461.62	17246.3	0	0
29	246.17	462.452	16023.1	0	0
30	247.584	463.283	14829.6	0	0
31	248.997	464.115	13665.9	0	0
32	250.411	464.946	12531	0	0
33	251.825	465.778	11410.2	0	0
34	253.239	466.609	10298	0	0
35	254.653	467.441	9197.14	0	0
36	256.067	468.272	8125.99	0	0
37	257.481	469.104	7088.13	0	0
38	258.895	469.935	6088.49	0	0
39	260.284	471.325	4312.99	0	0
40	261.674	472.715	2711.17	0	0
41	263.064	474.104	1283.04	0	0
42	264.453	475.494	28.5913	0	0
43	265.843	476.883	-1052.17	0	0
44	267.232	478.273	-1959.25	0	0
45	268.622	479.662	-2692.65	0	0
46	270.012	481.052	-3252.36	0	0
47	271.401	482.442	-3638.39	0	0
48	272.791	483.831	-3850.74	0	0
49	274.18	485.221	-3889.4	0	0
50	275.57	486.61	-3754.38	0	0
51	276.96	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 3.03372

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	207.463	465.231	0	0	0
2	208.803	463.891	773.409	0	0
3	210.143	462.551	1987.59	0	0
4	211.484	461.21	3642.54	0	0
5	212.824	459.87	5738.27	0	0
6	214.164	458.53	8274.76	0	0
7	215.505	457.189	11252	0	0
8	216.845	455.849	14670.1	0	0
9	218.185	454.508	18528.9	0	0
10	219.526	453.168	22828.4	0	0
11	220.866	451.828	27568.8	0	0
12	222.207	450.487	32749.9	0	0
13	223.547	449.147	38371.8	0	0
14	224.961	449.979	37049.6	0	0
15	226.375	450.81	35735.7	0	0
16	227.789	451.642	34430.3	0	0
17	229.203	452.473	33133.3	0	0
18	230.616	453.305	31844.8	0	0
19	232.03	454.136	30564.6	0	0
20	233.444	454.968	29292.9	0	0
21	234.858	455.799	28029.6	0	0
22	236.272	456.631	26774.7	0	0
23	237.686	457.462	25528.3	0	0
24	239.1	458.294	24290.2	0	0
25	240.514	459.125	23060.6	0	0
26	241.928	459.957	21839.4	0	0
27	243.342	460.788	20627.3	0	0
28	244.756	461.62	19438.1	0	0
29	246.17	462.452	18277.9	0	0
30	247.584	463.283	17146.6	0	0
31	248.997	464.115	16044.1	0	0
32	250.411	464.946	14969.8	0	0
33	251.825	465.778	13908.9	0	0
34	253.239	466.609	12856.5	0	0
35	254.653	467.441	11815.1	0	0
36	256.067	468.272	10802.6	0	0
37	257.481	469.104	9822.34	0	0
38	258.895	469.935	8879.21	0	0
39	260.284	471.325	7174.82	0	0
40	261.674	472.715	5640.43	0	0
41	263.064	474.104	4276.05	0	0
42	264.453	475.494	3081.67	0	0
43	265.843	476.883	2057.28	0	0
44	267.232	478.273	1202.91	0	0
45	268.622	479.662	518.531	0	0
46	270.012	481.052	4.158	0	0
47	271.401	482.442	-340.213	0	0
48	272.791	483.831	-514.581	0	0
49	274.18	485.221	-518.947	0	0
50	275.57	486.61	-353.311	0	0
51	276.96	488	0	0	0

Block - Block Static

Global Minimum Query (bishop simplified) - Safety Factor: 1.97212

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	446.54	0	0	0
2	185.204	448.146	3285.04	0	0
3	186.907	448.116	3840.19	0	0
4	188.61	448.087	4431.83	0	0
5	190.312	448.057	5059.95	0	0
6	192.015	448.027	5724.56	0	0
7	193.718	447.998	6425.66	0	0
8	195.421	447.968	7163.24	0	0
9	197.123	447.938	7937.31	0	0
10	198.826	447.908	8747.87	0	0
11	200.529	447.879	9594.91	0	0
12	202.232	447.849	10478.4	0	0
13	203.934	447.819	11398.5	0	0
14	205.637	447.789	12355	0	0
15	207.34	447.76	13348	0	0
16	209.043	447.73	14377.4	0	0
17	210.745	447.7	15443.4	0	0
18	212.448	447.671	16545.9	0	0
19	214.151	447.641	17684.8	0	0
20	215.854	447.611	18860.2	0	0
21	217.556	447.581	20072.1	0	0
22	219.259	447.552	21320.5	0	0
23	220.962	447.522	22605.4	0	0
24	222.665	447.492	23926.8	0	0
25	224.367	447.463	25284.7	0	0
26	226.064	448.63	23802.6	0	0
27	227.761	449.797	22345.6	0	0
28	229.458	450.964	20913.9	0	0
29	231.155	452.131	19507.3	0	0
30	232.852	453.298	18125.9	0	0
31	234.549	454.465	16769.7	0	0
32	236.246	455.631	15438.7	0	0
33	237.943	456.798	14132.8	0	0
34	239.64	457.965	12852.1	0	0
35	241.337	459.132	11596.6	0	0
36	243.083	460.937	9348	0	0
37	244.83	462.741	7251.77	0	0
38	246.576	464.545	5330.67	0	0
39	248.323	466.349	3584.71	0	0
40	250.069	468.154	2013.84	0	0
41	251.815	469.958	591.056	0	0
42	253.562	471.762	-706.808	0	0
43	255.308	473.566	-1863.32	0	0
44	257.055	475.37	-2838.16	0	0
45	258.801	477.175	-3623.35	0	0
46	260.547	478.979	-4175.03	0	0
47	262.294	480.783	-4484.62	0	0
48	264.04	482.587	-4552.13	0	0
49	265.787	484.392	-4377.56	0	0
50	267.533	486.196	-3960.9	0	0
51	269.28	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.87244

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	446.54	0	0	0
2	185.204	448.146	3297.68	0	0
3	186.907	448.116	3881.27	0	0
4	188.61	448.087	4503.12	0	0
5	190.312	448.057	5163.24	0	0
6	192.015	448.027	5861.63	0	0
7	193.718	447.998	6598.29	0	0
8	195.421	447.968	7373.21	0	0
9	197.123	447.938	8186.4	0	0
10	198.826	447.908	9037.86	0	0
11	200.529	447.879	9927.59	0	0
12	202.232	447.849	10855.6	0	0
13	203.934	447.819	11821.9	0	0
14	205.637	447.789	12826.4	0	0
15	207.34	447.76	13869.2	0	0
16	209.043	447.73	14950.3	0	0
17	210.745	447.7	16069.6	0	0
18	212.448	447.671	17227.2	0	0
19	214.151	447.641	18423.1	0	0
20	215.854	447.611	19657.2	0	0
21	217.556	447.581	20929.6	0	0
22	219.259	447.552	22240.3	0	0
23	220.962	447.522	23589.2	0	0
24	222.665	447.492	24976.4	0	0
25	224.367	447.463	26401.9	0	0
26	226.064	448.63	25018.3	0	0
27	227.761	449.797	23659.1	0	0
28	229.458	450.964	22324.1	0	0
29	231.155	452.131	21013.4	0	0
30	232.852	453.298	19726.9	0	0
31	234.549	454.465	18464.8	0	0
32	236.246	455.631	17227	0	0
33	237.943	456.798	16013.5	0	0
34	239.64	457.965	14824.2	0	0
35	241.337	459.132	13659.3	0	0
36	243.083	460.937	11522.4	0	0
37	244.83	462.741	9533.88	0	0
38	246.576	464.545	7715.97	0	0
39	248.323	466.349	6068.64	0	0
40	250.069	468.154	4591.86	0	0
41	251.815	469.958	3259.31	0	0
42	253.562	471.762	2048.44	0	0
43	255.308	473.566	975.256	0	0
44	257.055	475.37	79.0088	0	0
45	258.801	477.175	-632.5	0	0
46	260.547	478.979	-1116.57	0	0
47	262.294	480.783	-1364.85	0	0
48	264.04	482.587	-1377.33	0	0
49	265.787	484.392	-1154.02	0	0
50	267.533	486.196	-694.906	0	0
51	269.28	488	0	0	0

Block - Block Pstatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.10479

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	442.533	0	0	0
2	187.391	440.142	14496.3	0	0
3	189.782	437.751	28753.9	0	0
4	192.173	435.36	45202.7	0	0
5	194.37	435.237	46258.6	0	0
6	196.567	435.114	47334.6	0	0
7	198.764	434.991	48430.6	0	0
8	200.961	434.868	49546.7	0	0
9	203.158	434.746	50682.9	0	0
10	205.355	434.623	51839.2	0	0
11	207.552	434.5	53015.6	0	0
12	209.749	434.377	54212	0	0
13	211.946	434.254	55428.6	0	0
14	214.143	434.132	56665.2	0	0
15	216.34	434.009	57921.9	0	0
16	218.537	433.886	59198.6	0	0
17	220.734	433.763	60495.5	0	0
18	222.931	433.64	61812.4	0	0
19	225.128	433.518	63149.4	0	0
20	227.325	433.395	64506.5	0	0
21	229.522	433.272	65883.7	0	0
22	231.731	434.831	60886.1	0	0
23	233.94	436.39	55954.7	0	0
24	236.149	437.948	51089.3	0	0
25	238.358	439.507	46290	0	0
26	240.567	441.066	41556.8	0	0
27	242.776	442.625	36889.7	0	0
28	244.985	444.184	32316.5	0	0
29	247.194	445.743	27877.8	0	0
30	249.403	447.301	23574.1	0	0
31	251.612	448.86	19387	0	0
32	253.821	450.419	15268.5	0	0
33	256.03	451.978	11250	0	0
34	258.239	453.537	7378.13	0	0
35	260.448	455.096	3701.04	0	0
36	262.656	456.654	250.702	0	0
37	264.865	458.213	-2972.89	0	0
38	267.074	459.772	-5969.74	0	0
39	269.283	461.331	-8739.84	0	0
40	271.492	462.89	-11283.2	0	0
41	273.775	465.172	-14580.4	0	0
42	276.058	467.455	-17416.9	0	0
43	278.341	469.738	-19792.8	0	0
44	280.623	472.021	-21708.1	0	0
45	282.906	474.303	-23162.7	0	0
46	285.189	476.586	-24156.7	0	0
47	287.472	478.869	-24690.1	0	0
48	289.754	481.152	-24762.8	0	0
49	292.037	483.434	-24374.9	0	0
50	294.32	485.717	-23526.4	0	0
51	296.603	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.01044

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	442.533	0	0	0
2	187.391	440.142	16275.2	0	0
3	189.782	437.751	32456.1	0	0
4	192.173	435.36	51090.3	0	0
5	194.37	435.237	52405.8	0	0
6	196.567	435.114	53751.7	0	0
7	198.764	434.991	55128.1	0	0
8	200.961	434.868	56535	0	0
9	203.158	434.746	57972.4	0	0
10	205.355	434.623	59440.3	0	0
11	207.552	434.5	60938.6	0	0
12	209.749	434.377	62467.4	0	0
13	211.946	434.254	64026.6	0	0
14	214.143	434.132	65616.4	0	0
15	216.34	434.009	67236.6	0	0
16	218.537	433.886	68887.3	0	0
17	220.734	433.763	70568.4	0	0
18	222.931	433.64	72280	0	0
19	225.128	433.518	74022.2	0	0
20	227.325	433.395	75794.7	0	0
21	229.522	433.272	77597.8	0	0
22	231.731	434.831	73078.3	0	0
23	233.94	436.39	68620.7	0	0
24	236.149	437.948	64225.1	0	0
25	238.358	439.507	59891.4	0	0
26	240.567	441.066	55619.6	0	0
27	242.776	442.625	51409.7	0	0
28	244.985	444.184	47287.9	0	0
29	247.194	445.743	43292.1	0	0
30	249.403	447.301	39422.8	0	0
31	251.612	448.86	35662.7	0	0
32	253.821	450.419	31967	0	0
33	256.03	451.978	28365	0	0
34	258.239	453.537	24900.3	0	0
35	260.448	455.096	21618.2	0	0
36	262.656	456.654	18548.6	0	0
37	264.865	458.213	15691.4	0	0
38	267.074	459.772	13046.7	0	0
39	269.283	461.331	10614.5	0	0
40	271.492	462.89	8394.81	0	0
41	273.775	465.172	5447.22	0	0
42	276.058	467.455	2936.39	0	0
43	278.341	469.738	862.333	0	0
44	280.623	472.021	-774.951	0	0
45	282.906	474.303	-1975.46	0	0
46	285.189	476.586	-2739.2	0	0
47	287.472	478.869	-3066.17	0	0
48	289.754	481.152	-2956.37	0	0
49	292.037	483.434	-2409.8	0	0
50	294.32	485.717	-1426.46	0	0
51	296.603	488	0	0	0

Block - Curved Static

Global Minimum Query (bishop simplified) - Safety Factor: 2.15144

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	443.558	0	0	0
2	186.755	443.422	10043.9	0	0
3	188.51	443.319	10898.9	0	0
4	190.265	443.249	11745.4	0	0
5	192.02	443.213	12574.9	0	0
6	193.775	443.209	13469.5	0	0
7	195.53	443.239	14445.6	0	0
8	197.285	443.301	15496.1	0	0
9	199.04	443.397	16505.3	0	0
10	200.795	443.526	17466.5	0	0
11	202.55	443.688	18373.3	0	0
12	204.304	443.884	19219.4	0	0
13	206.059	444.114	19999.2	0	0
14	207.814	444.377	20707.2	0	0
15	209.569	444.675	21338.3	0	0
16	211.324	445.008	21887.7	0	0
17	213.079	445.376	22350.9	0	0
18	214.834	445.779	22723.6	0	0
19	216.589	446.218	23002.1	0	0
20	218.344	446.693	23182.7	0	0
21	220.099	447.206	23262.3	0	0
22	221.854	447.756	23237.8	0	0
23	223.609	448.345	23106.8	0	0
24	225.364	448.973	22866.8	0	0
25	227.119	449.64	22516.1	0	0
26	228.874	450.349	22053	0	0
27	230.629	451.1	21476.4	0	0
28	232.384	451.894	20785.6	0	0
29	234.139	452.732	19980.2	0	0
30	235.894	453.616	19060.5	0	0
31	237.649	454.546	18026.9	0	0
32	239.404	455.526	16880.9	0	0
33	241.158	456.556	15624.2	0	0
34	242.913	457.639	14259.4	0	0
35	244.668	458.776	12803.4	0	0
36	246.423	459.971	11279.5	0	0
37	248.178	461.226	9697.36	0	0
38	249.933	462.543	8067.69	0	0
39	251.688	463.927	6384.95	0	0
40	253.443	465.381	4639	0	0
41	255.198	466.91	2852.89	0	0
42	256.953	468.518	1080.06	0	0
43	258.708	470.212	-649.848	0	0
44	260.463	471.998	-2265.25	0	0
45	262.218	473.885	-3718.07	0	0
46	263.973	475.881	-4964.07	0	0
47	265.728	477.997	-5951.05	0	0
48	267.483	480.248	-6616.67	0	0
49	269.238	482.65	-6885.36	0	0
50	270.993	485.225	-6663.87	0	0
51	272.748	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 1.97186

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	442.947	0	0	0
2	186.606	442.8	11660.2	0	0
3	188.211	442.686	12559.9	0	0
4	189.817	442.604	13447.9	0	0
5	191.422	442.555	14316.3	0	0
6	193.028	442.538	15197.5	0	0
7	194.633	442.553	16166.5	0	0
8	196.239	442.6	17220.8	0	0
9	197.844	442.679	18267.1	0	0
10	199.45	442.791	19265.6	0	0
11	201.055	442.935	20210.2	0	0
12	202.661	443.112	21095.6	0	0
13	204.266	443.322	21916.7	0	0
14	205.872	443.565	22668.4	0	0
15	207.477	443.842	23346.4	0	0
16	209.083	444.153	23946.3	0	0
17	210.689	444.497	24464.2	0	0
18	212.294	444.877	24896.4	0	0
19	213.9	445.291	25239.5	0	0
20	215.505	445.741	25490.3	0	0
21	217.111	446.228	25646.1	0	0
22	218.716	446.752	25704.2	0	0
23	220.322	447.314	25662.6	0	0
24	221.927	447.914	25519.3	0	0
25	223.533	448.554	25272.6	0	0
26	225.138	449.235	24921.5	0	0
27	226.744	449.958	24464.9	0	0
28	228.349	450.724	23902.5	0	0
29	229.955	451.534	23234.2	0	0
30	231.56	452.391	22460.5	0	0
31	233.166	453.295	21582.2	0	0
32	234.772	454.249	20601	0	0
33	236.377	455.254	19518.9	0	0
34	237.983	456.314	18338.8	0	0
35	239.588	457.431	17064.4	0	0
36	241.194	458.607	15700.4	0	0
37	242.799	459.846	14252.3	0	0
38	244.405	461.153	12739.6	0	0
39	246.01	462.53	11193.1	0	0
40	247.616	463.984	9627.93	0	0
41	249.221	465.52	8061.57	0	0
42	250.827	467.145	6508.99	0	0
43	252.432	468.868	4960.68	0	0
44	254.038	470.696	3435.14	0	0
45	255.643	472.644	1991.88	0	0
46	257.249	474.724	700.99	0	0
47	258.855	476.955	-373.358	0	0
48	260.46	479.361	-1106.29	0	0
49	262.066	481.972	-1388.69	0	0
50	263.671	484.831	-1084.91	0	0
51	265.277	488	0	0	0

Block - Curved PStatic

Global Minimum Query (bishop simplified) - Safety Factor: 1.02078

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	441.11	0	0	0
2	186.854	441.342	6942.2	0	0
3	188.708	441.597	7779.28	0	0
4	190.562	441.876	8566.87	0	0
5	192.416	442.179	9301.83	0	0
6	194.27	442.504	9981.26	0	0
7	196.124	442.854	10602.5	0	0
8	197.978	443.228	11163	0	0
9	199.832	443.626	11660.6	0	0
10	201.686	444.048	12093.1	0	0
11	203.54	444.495	12458.8	0	0
12	205.394	444.967	12756	0	0
13	207.248	445.464	12983.2	0	0
14	209.102	445.986	13139.3	0	0
15	210.956	446.533	13223.1	0	0
16	212.81	447.107	13234	0	0
17	214.664	447.707	13171.2	0	0
18	216.518	448.333	13034.5	0	0
19	218.372	448.986	12823.6	0	0
20	220.226	449.666	12538.7	0	0
21	222.08	450.374	12180	0	0
22	223.934	451.11	11748	0	0
23	225.788	451.875	11243.6	0	0
24	227.642	452.668	10667.7	0	0
25	229.496	453.491	10021.6	0	0
26	231.35	454.344	9306.86	0	0
27	233.203	455.227	8525.33	0	0
28	235.057	456.142	7679.11	0	0
29	236.911	457.088	6770.61	0	0
30	238.765	458.067	5802.58	0	0
31	240.619	459.079	4778.08	0	0
32	242.473	460.124	3700.54	0	0
33	244.327	461.205	2583.47	0	0
34	246.181	462.321	1459.25	0	0
35	248.035	463.474	336.592	0	0
36	249.889	464.664	-776.791	0	0
37	251.743	465.893	-1891.69	0	0
38	253.597	467.162	-3025.16	0	0
39	255.451	468.472	-4154.21	0	0
40	257.305	469.824	-5233.68	0	0
41	259.159	471.22	-6239.96	0	0
42	261.013	472.661	-7117.51	0	0
43	262.867	474.149	-7845.96	0	0
44	264.721	475.686	-8407.82	0	0
45	266.575	477.273	-8784.44	0	0
46	268.429	478.914	-8955.83	0	0
47	270.283	480.61	-8900.53	0	0
48	272.137	482.363	-8595.49	0	0
49	273.991	484.177	-8015.81	0	0
50	275.845	486.055	-7134.56	0	0
51	277.699	488	0	0	0

Global Minimum Query (janbu simplified) - Safety Factor: 0.931676

Slice Number	X coordinate [ft]	Y coordinate - Bottom [ft]	Interslice Normal Force [lbs]	Interslice Shear Force [lbs]	Interslice Force Angle [deg]
1	185	440.623	0	0	0
2	186.713	440.5	8737.57	0	0
3	188.427	440.41	9741.18	0	0
4	190.14	440.354	10687.2	0	0
5	191.853	440.331	11623.2	0	0
6	193.567	440.341	12765.9	0	0
7	195.28	440.384	14114.4	0	0
8	196.994	440.46	15526.1	0	0
9	198.707	440.57	16854.5	0	0
10	200.42	440.713	18094.3	0	0
11	202.134	440.89	19240.4	0	0
12	203.847	441.101	20288.3	0	0
13	205.56	441.346	21233.8	0	0
14	207.274	441.625	22073.4	0	0
15	208.987	441.939	22803.7	0	0
16	210.701	442.288	23421.8	0	0
17	212.414	442.672	23925.2	0	0
18	214.127	443.093	24311.6	0	0
19	215.841	443.55	24579.4	0	0
20	217.554	444.044	24727.2	0	0
21	219.267	444.576	24753.9	0	0
22	220.981	445.146	24659	0	0
23	222.694	445.756	24442.2	0	0
24	224.408	446.405	24103.8	0	0
25	226.121	447.096	23644.4	0	0
26	227.834	447.829	23065	0	0
27	229.548	448.606	22367.4	0	0
28	231.261	449.427	21553.4	0	0
29	232.974	450.294	20625.8	0	0
30	234.688	451.208	19587.8	0	0
31	236.401	452.172	18443.1	0	0
32	238.115	453.187	17196.5	0	0
33	239.828	454.255	15853	0	0
34	241.541	455.379	14419	0	0
35	243.255	456.561	12902	0	0
36	244.968	457.803	11333.5	0	0
37	246.681	459.11	9739.58	0	0
38	248.395	460.486	8135.06	0	0
39	250.108	461.933	6536.35	0	0
40	251.822	463.457	4936.83	0	0
41	253.535	465.064	3334.46	0	0
42	255.248	466.76	1764.27	0	0
43	256.962	468.552	292.921	0	0
44	258.675	470.45	-1039.79	0	0
45	260.388	472.463	-2146.05	0	0
46	262.102	474.606	-2962.63	0	0
47	263.815	476.893	-3428.3	0	0
48	265.529	479.345	-3469.21	0	0
49	267.242	481.989	-2994.37	0	0
50	268.955	484.858	-1888.84	0	0
51	270.669	488	0	0	0

Entity Information

Block

Shared Entities

Type	Coordinates (x,y)
External Boundary	0, 425 0, 370 306, 370 306, 488 258, 488 254, 487 250, 485 243, 483 185, 454 185, 439 170, 439 170, 409 75, 409 75, 426 67, 426 50, 424 50, 423 25, 425

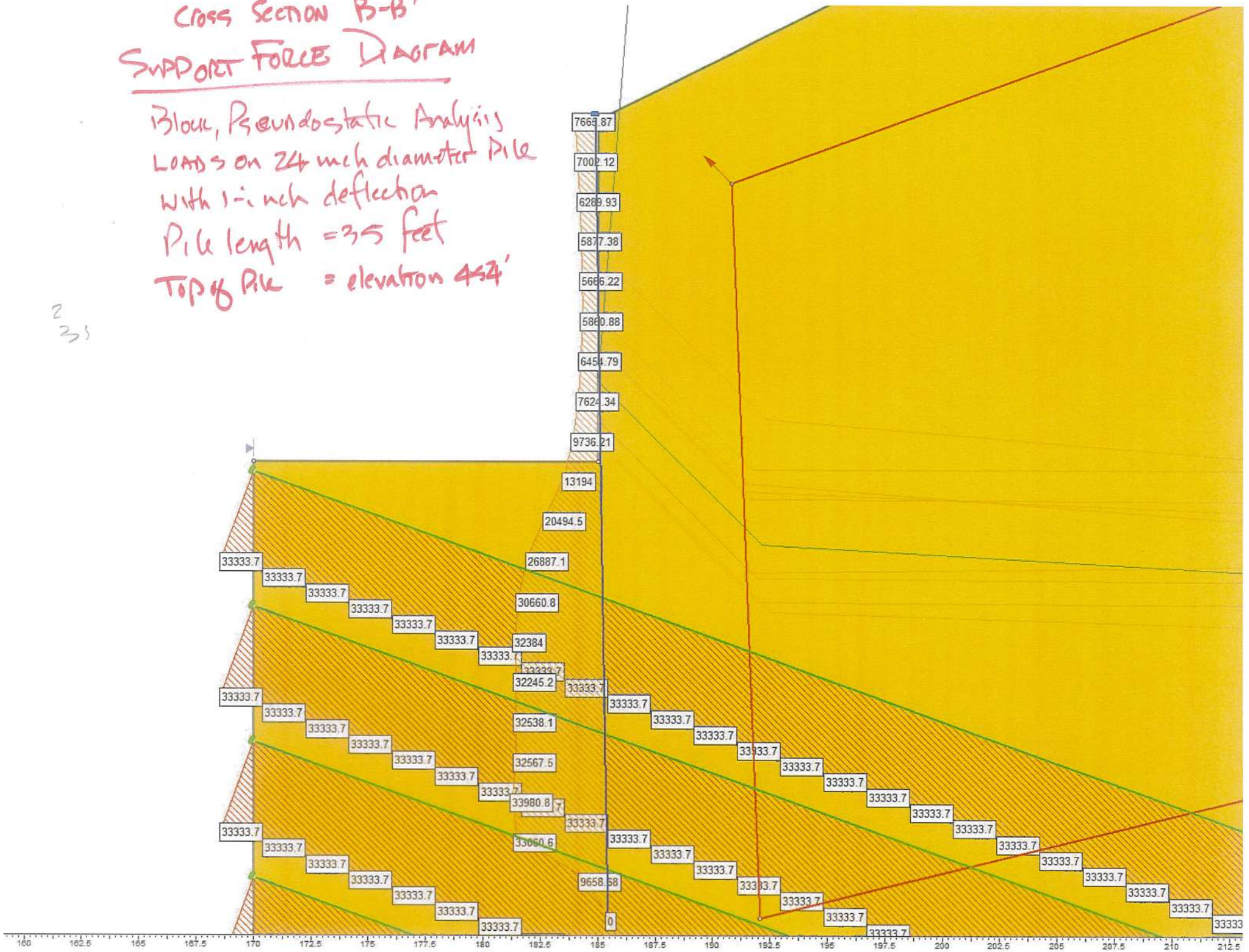
Scenario-based Entities

Type	Coordinates (x,y)	Master Scenario	Block Static	Block Pstatic	Curved Static	Curved PStatic
Piezoline	0, 410 173, 410 214, 415 306, 425	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation	Assigned to: Puente Formation
Block Search Window	224.746, 428.163 251.812, 438.157 246.718, 476.149 222.665, 458.268					
Block Search Window	255.267, 481.297 258.604, 449.193 284.71, 460.442 281.904, 485.321					
Block Search Window	188.122, 406.314 211.173, 412.381 213.842, 462.365 189.821, 451.446					
Block Search Window	192.08, 419.04 218.189, 425.567 216.945, 460.807 190.807, 451.198					

Cross Section B-B'

Support Force Diagram

Block, Pseudostatic Analysis
Loads on 24 inch diameter Pile
With 1 inch deflection
Pile length = 35 feet
Top of Pile = elevation 454'



Cross Section B-B'

Support Force Diagram

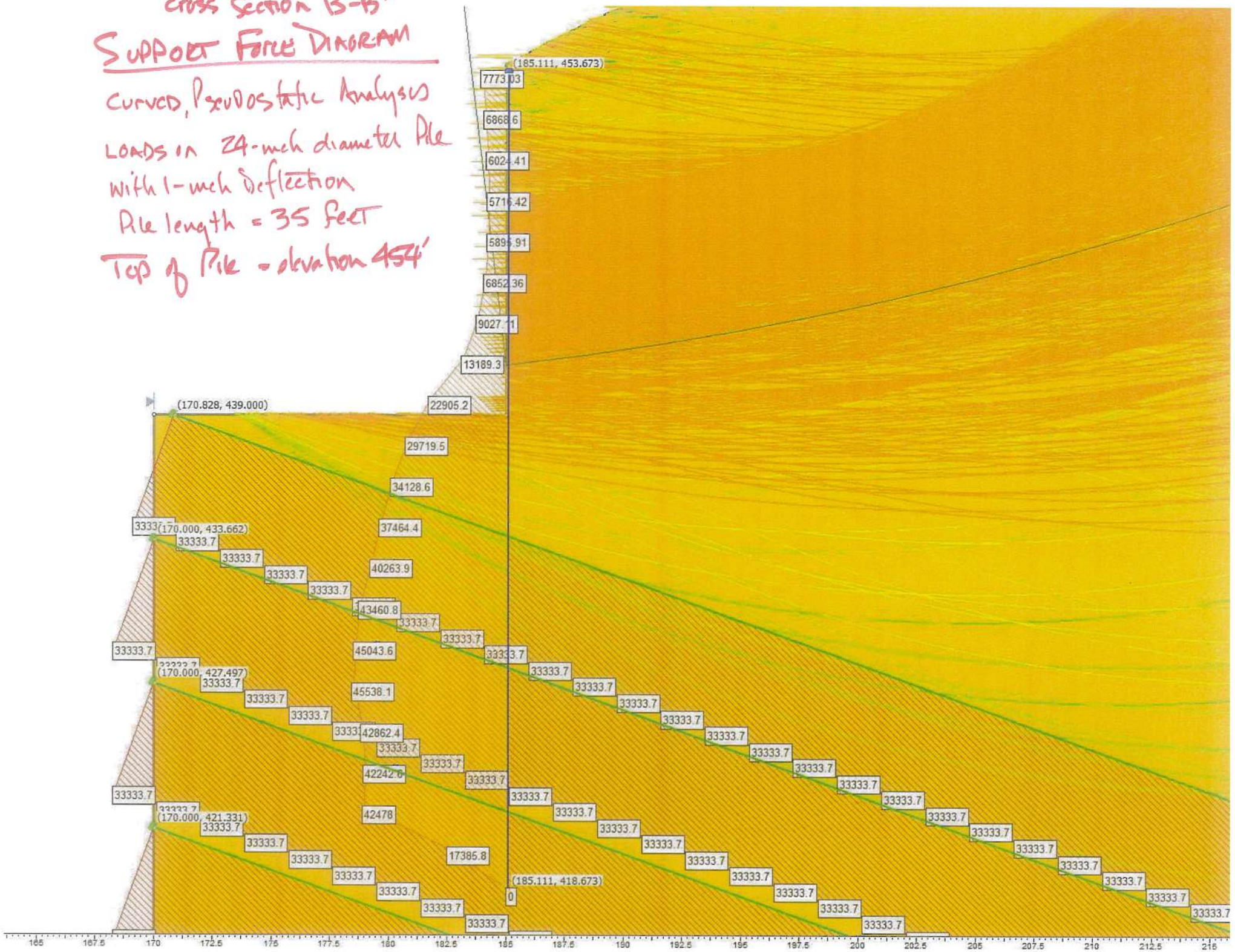
Curved, Pseudostatic Analysis

Loads in 24-inch diameter Pile

with 1-inch Deflection

Pile length = 35 feet

Top of Pile - elevation 454'



File No. 20489
Client: Aragon-Sunset

TABLE 1
Loads on Pile Based Relative to depth At Cross Section B-B'
(Pseudostatic Analysis, Upper Slope)

DEPTH (feet)	ELEVATION (feet)	Load (Pounds)	
		CURVED ANALYSIS	BLOCK ANALYSIS
0	454	7773	7666
1.75	452.25	6869	7002
3.5	450.5	6024	6289
5.25	448.75	5716	5877
7	447	5896	5666
8.75	445.25	6852	5861
10.5	443.5	9027	6455
12.25	441.75	13189	7624
14	440	22905	9736
15.75	438.25	29720	13194
17.5	436.5	34129	24495
19.25	434.75	37464	26887
21	433	40264	30661
22.75	431.25	43461	32384
24.5	429.5	45044	32245
26.25	427.75	45538	32538
28	426	42862	32568
29.75	424.25	42243	33981
31.5	422.5	42478	33061
33.25	420.75	17386	9659
35	419	0	0

Geotechnologies, Inc.
Consulting Geotechnical Engineers
439 Western Avenue
Glendale, California 91201-2837
818.240.9600 • Fax 818.240.9675

December 7, 2023
File No. 20489

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, California 90026

Attention: Jeff Farrington

Subject: Supplemental Geotechnical Engineering Investigation
Proposed Apartment Complex
1185 West Sunset Boulevard, Los Angeles, California

References: *Reports by Geotechnologies, Inc.:*
Geotechnical Engineering Investigation, dated April 9, 2013, updated June 24, 2014;
Follow Up to Geotechnical Engineering Investigation, dated March 4, 2014;
Response to Soils Report Correction Letter, dated May 22, 2014;
Response to Geotechnical and Engineering Geology Review, dated September 10, 2014;
Response to Geotechnical and Engineering Geology Response to Comments and Review, dated May 15, 2017;
Corrosion Testing Results, dated June 25, 2018;
Updated Geotechnical Engineering Investigation, dated September 6, 2023;
Response to City of Los Angeles Review Letter, dated December 7, 2023.

City of Los Angeles, Department of Building and Safety:
Correction Letter, Log #83257, dated March 13, 2014;
Geology and Soils Report Approval Letter, Log #83257-01, dated June 24, 2014;
Geology and Soils Report Approval Letter, Log #85606, dated September 23, 2014;
Geology Soils Report Review Letter, Log # 127750, dated October 17, 2023.

Communications by Others:
Desktop Fault Evaluation, by Lettis Consultants International, Inc., dated May 2, 2017.

Ladies and Gentlemen:

This letter transmits the Supplemental Geotechnical Engineering Investigation for the subject site prepared by Geotechnologies, Inc. This letter provides the findings from drilling additional borings on the site for the purpose of identifying bedrock elevations.

December 7, 2023
File No. 20489

The validity of the recommendations presented herein is dependent upon review of the geotechnical aspects of the project during construction by this firm. The subsurface conditions described herein have been projected from limited subsurface exploration and laboratory testing. The exploration and testing presented in this report should in no way be construed to reflect any variations which may occur between the exploration locations or which may result from changes in subsurface conditions.

Should you have any questions please contact this office.

Respectfully submitted,
GEOTECHNOLOGIES, INC.

REINARD T. KNUR
G.E. 2755/C.E.G. 1547

RTK:km

Distribution: (1) Addressee

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SUPPLEMENTAL GEOTECHNICAL ENGINEERING INVESTIGATION
PROPOSED APARTMENT COMPLEX
1185 WEST SUNSET BOULEVARD
LOS ANGELES, CALIFORNIA

INTRODUCTION

This letter presents the results of the supplemental geotechnical engineering investigation performed on the subject site. The purpose of this investigation was to provide additional information regarding the distribution and engineering properties of the geologic materials underlying the site.

PROPOSED DEVELOPMENT

The site is proposed to be developed with an apartment complex that is seven stories in height with one and two levels of subterranean parking. Retaining walls will be up to 44 feet in height. Column loads are estimated to be between 500 and 900 kips. Wall Loads are estimated to be between 4 and 17 kips per lineal foot. These loads reflect the dead plus live load, of which the dead load is approximately 75 percent. The proposed structure is shown relative site boundaries on the attached Geologic Map.

The lowest finish floor elevations of the structure will range from 418 feet above mean sea level at the north end of the site to 400 feet at the south end. A walkway on the east side of the structure, located at the toe of the westerly descending slope, is at 439.5 feet.

Excavations for the subterranean parking levels at the northeast corner of the structure will be as much as 49 feet from the original grade, including foundation excavations. The basement excavations will be as much as 12 feet below Sunset Boulevard at the northern end of the structure and 8 feet at the southern end of the structure. Up to 10 feet of compacted fill may be necessary to locally raise grades and backfill walls The highest vertical cut is anticipated to be 44 feet (including foundations) and will be on the north side of the site as shown on Cross Section H-H'.

A permanent cut is proposed on the east side of the structure that will provide a 15 foot setback between the east side of the structure and the toe of the proposed slope. The slope will be inclined approximately 27 degrees from horizontal and be up to 65 feet high. The top of the slope will require a 10 foot setback from the western and northern property lines. Appropriate terrace drains and downdrains will be required. Due to surface drainage from offsite properties to the subject site, a brow ditch will be required at the top of the slope to intercept the offsite water.

GEOTECHNICAL EXPLORATION

FIELD EXPLORATION

Seven borings were drilled as part of this supplemental Geotechnical Engineering Investigation. Borings B8 through B14 were drilled to depths of 21 ½ to 26 ½ feet with a truck-mounted drilling rig equipped with 8-inch hollowstem augers.

The borings were sampled at regular depth intervals using a California-modified, split-spoon sampler lined with 2.5-inch diameter brass rings. The sampler was advanced using a 140-pound weight dropped from a height of 30 inches with an automatic trip hammer.

The boring locations are shown on the Geologic Map and the logs are attached as Plates A-8 through A-14. The location of the borings was determined by measurement from hardscape features shown on the Geologic Map. Elevations were determined by interpolation from the elevation contours shown on the map. The location and elevation of the exploratory excavations should be considered accurate only to the degree implied by the method used.

Geologic Materials

The geologic materials identified in the borings consist of artificial fill, alluvium, and interbedded siltstone and sandstone bedrock of the Puente Formation. More detailed descriptions of the geologic materials are presented in the following paragraphs. The distribution of the geologic materials can be identified on the Geologic Map and Cross Sections A-A' through H-H'.

Fill

The fill consists of mixtures of clay, silt, sand and gravel that is dark brown, and yellowish brown, medium dense or firm, and moist. The supplemental borings identified fill to a maximum depth of 5 feet. The maximum depth of fill identified previous borings is 7 feet. The deepest fill is encountered along Sunset Boulevard and the southern end of the site.

Alluvium

Alluvium consists of sandy silt and silty clay that is dark brown to medium brown in color, moist to wet, and has some gravel-sized siltstone fragments near the base of the deposit. The thickest colluvium was identified in Boring 10 extending from depth of 4 feet to 20 feet. The thickest alluvium identified in the previous excavations was in Boring 4 (File No 19267) and extended to 16 ½ feet. The alluvium is found primarily on the western part of the site along Sunset Boulevard.

Bedrock (Puente Formation)

The site is underlain by sedimentary bedrock of the Puente Formation. The bedrock consists of well bedded, clayey siltstone and sandstone that is yellow and grayish brown, and brown in color. The bedrock is also moist and moderately hard and moderately weathered to slightly weathered. The greatest depth to bedrock was identified in Boring 10 at a depth of 20 feet. This depth corresponds to an elevation of 395 feet. The attached Bedrock Contour Plan shows the bedrock elevations utilizing the findings from this supplemental investigation and previous work.

Groundwater

Seepage was encountered in Borings B8 through B13 at depths ranging from 9.5 to 12.5 feet below the ground surface. The elevation of the seepage ranges from 395 ½ to 406 ½ feet. In general the

elevation of the seepage descends to the south. Boring B14 drilled to a depth of 21 ½ feet, did not encounter water.

Based on previous work, seepage occurred at depths of 9.3 feet to 24 feet. These depths correspond to elevations of 414.7 and 402.5, respectively.

The historically highest groundwater level at the site is approximately 20 feet below the ground surface. (CDMG, 2006).

Caving

Caving could not be directly observed in the borings due to the continuously cased design of the hollowstem auger drill.

Caving may occur in large diameter borings where water seeps from the alluvium or where the rock is highly fractured.

CONCLUSIONS AND RECOMMENDATIONS

The attached Bedrock Contour Plan was updated based on the findings of this investigation. As a result of the subsurface investigation, the depth to rock was identified to be deeper than reported in the September 6, 2023 investigation in the vicinity of the recently drilled boring B10. The lowest bedrock depth is anticipated in the vicinity of Boring B10, along Sunset Boulevard and opposite Marion Avenue. The bedrock surface my extend as low as elevation 394 feet while the finish floor elevation of the lowest building level in that area is 407.75 feet. A combination of deepened footings and/or friction piles will be necessary for footings to bear in the bedrock in this area.

CLOSURE AND LIMITATIONS

The purpose of this report is to aid in the design and completion of the described project. Implementation of the advice presented in this report is intended to reduce certain risks associated with construction projects. The professional opinions and geotechnical advice contained in this report are sought because of special skill in engineering and geology and were prepared in accordance with generally accepted geotechnical engineering practice. Geotechnologies, Inc. has a duty to exercise the ordinary skill and competence of members of the engineering profession. Those who hire Geotechnologies, Inc. are not justified in expecting infallibility, but can expect reasonable professional care and competence.

LEGEND

- B14 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2023 FN 20489)
- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017 FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- EXISTING STRUCTURE
- DEMOLISHED STRUCTURE
- SUBJECT SITE

EVERETT STREET

SUBJECT SITE

PROPOSED CUT SLOPE

PROPOSED STRUCTURE

F.F.E. = 439.5'

F.F.E. = 418'

F.F.E. = 427'

F.F.E. = 411'

F.F.E. = 439.5'

F.F.E. = 407.75'

F.F.E. = 411'

F.F.E. = 400'

RAMP

LOT 24 LOT 23 LOT 22 LOT 21 LOT 20 LOT 19 LOT 18 LOT 17 LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5 LOT 4 LOT 3 LOT 2 LOT 1

TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP9 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23 TP24

B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14

W SUNSET BLVD

MARION AVE

CLEAR WATER CHANNEL

SCALE IN FEET

0 20 40 60 120

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

PLOT PLAN

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: NOVEMBER 2023

LEGEND

- B14 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2023 FN 20489)
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- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017 FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- EXISTING STRUCTURE
- DEMOLISHED STRUCTURE
- SUBJECT SITE
- ELEVATION CONTOUR AT TOP OF BEDROCK

SUBJECT SITE

EVERETT STREET

W SUNSET BLVD

MARION AVE

RAMP

F.F.E. = 411'

F.F.E. = 409.5'

F.F.E. = 439.5'

F.F.E. = 411'

F.F.E. = 400'

F.F.E. = 409'

F.F.E. = 427'

SCALE IN FEET
0 40 80

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

BEDROCK CONTOUR PLAN

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: NOVEMBER 2023

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2023) FILE NO 20489

B8 (elev. 416')	B9 (elev. 415')	B10 (elev. 415')	B11 (elev. 415')	B12 (elev. 410')	B13 (elev. 408')	B14 (elev. 411')
0-3' af	0-3' af	0-4' af	0-3' af	0-3' af	0-3' af	0-5' af
3'-15' Qal	3'-5' Qal	4'-20' Qal	3'-6' Qal	3'-10' Qal	3'-8' Qal	5'-21 1/2' Tp
15'-21 1/2' Tp	5'-21 1/2' Tp	20'-26 1/2' T p	6'-21 1/2' Tp	10'-21 1/2' Tp	8'-21 1/2' Tp	
Seepage @ 9 1/2'	Seepage @ 11 1/2'	Seepage @ 12 1/2'	Seepage @ 11 1/2'	Seepage @ 12 1/2'	Seepage @ 12 1/2'	NO WATER

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2016)

B4 (elev. 478')	B4 (cont.)	B4 (cont.)	B4 (cont.)	B5 (elev. 412')	B6 (elev. 412')	B7 (elev. 411')	TP7 (elev. 468')	TP8 (elev. 447')
0-4' af	@ 15.6'	@ 27.7"	@ 43.8'	0-0.8' af	0-3.5' af	0-0.75' af	0-4.5' af	0-2.5' af
4 - 60' Tp	@ 17.1'	@ 29.9'	@ 49.0'	0.8-20' Tp	3.5'-20' Qcol	0.75'-6.5' Qcol	4.5--9.0' Qcol	2.5'-13' Tp
@ 7.6'	@ 21.0'	@ 32.9'	@ 52.6'	@ 4.0'	@ 5'	6.5-20' Tp	9.0'-18.0' Tp	@ 3.5'
@ 10.2'	@ 23.4'	@ 33.9'	No Seepage	@ 7.0'	@ 6.3'	@ 10.4'	@ 10.0'	@ 8.0'
@ 12.4'	@ 25.1'	@ 40.8'		@ 11.0'	@10.2'	@ 14.0'	@ 11.4'	@10.0'
@ 13.4'				@ 14.4'	@12.8'	@ 12.0' Seepage	@ 17.0'	
				@ 9' and 12' Seepage	@ 11.5' Seepage		No Seepage	No Seepage

BORINGS BY PETRA GEOTECHNICAL (2004) JN 588-04

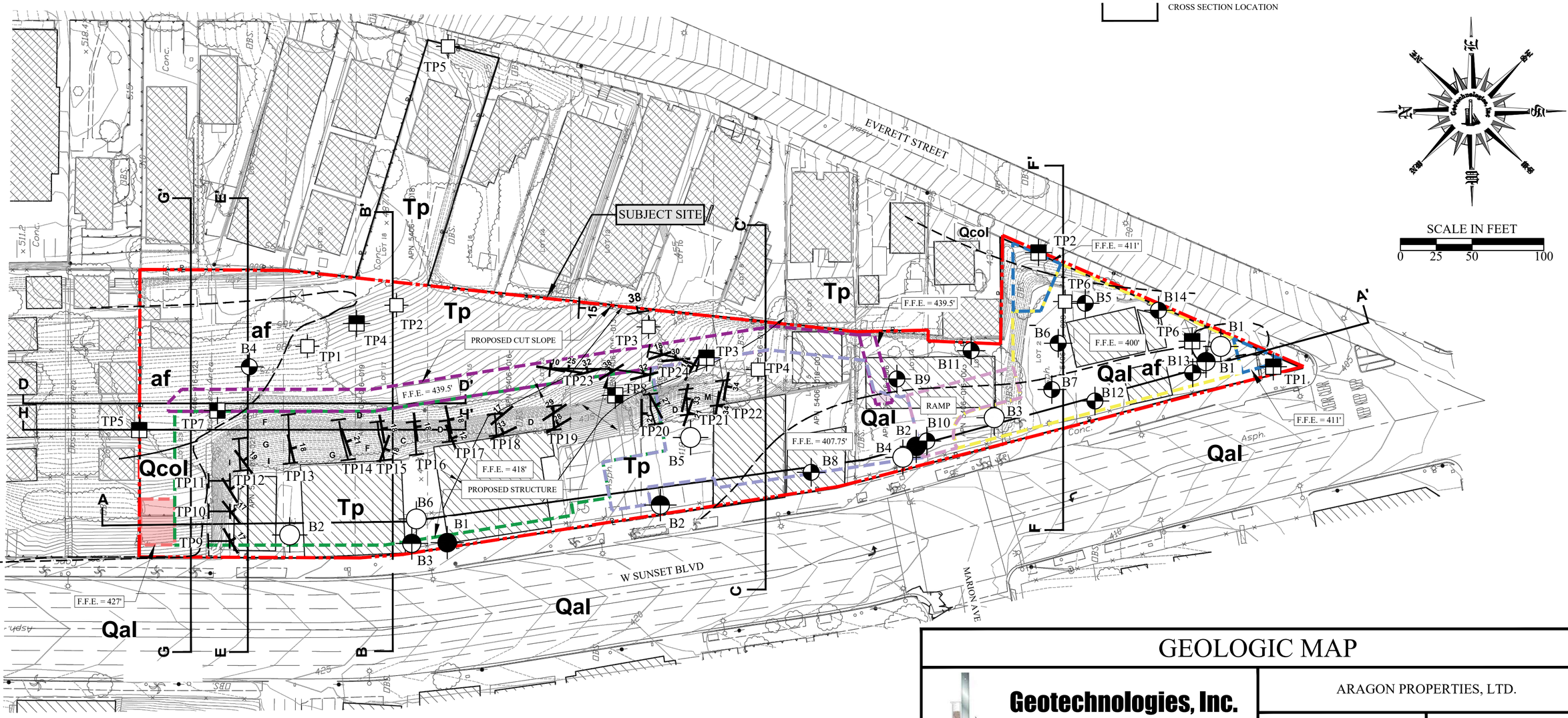
B1 (elev. 424')	B2 (elev. 416')
0-30' Tp	0-12' Qal
Seepage @ 24'	12'-31' Tp
	Seepage @ 17'

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2013) FILE NO 20489

B1 (elev. 409')	B2 (elev. 419.5')	B3 (elev. 424')	TP1 (elev. 407')	TP2 (elev. 425')	TP3 (elev. 444')	TP4 (elev. 480')	TP5 (elev. 470')	TP6 (elev. 409')
0-3' af	0-3' af	0-3' af	0-4' af	0-1' af	0-1.5' af	0-1' af	0-2' af	0-6' af
3'-10' Qal	3'-30' Tp	3'-40' Tp	4'-6' Qal	1'-10' Qcol	1.5'-10' Tp	1'-4' Tp	2'-6.5' Qcol	No Seepage
10'-30' Tp	Seepage @ 17'	Seepage @ 9.3'	No Seepage	10'-11' Tp	No Seepage	No Seepage	6.5'-8' Tp	
Seepage @ 17.5'				No Seepage			@ 7'	
							No Seepage	

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2006) FILE NO 19267

B1 (elev. 408')	B2 (elev. 423')	B3 (elev. 414')	B4 (elev. 413')	B5 (elev. 419')	B6 (elev. 421.5')	TP1 (elev. 477')	TP2 (elev. 479')	TP3 (elev. 452')	TP4 (elev. 434')	TP5 (elev. 476')	TP6 (elev. 409')
0-5.5' af	0-15' Tp	0-7' af	0-2' af	0-2' af	0-1.5' af	0-0.5' af	0-2.5' af	0-0.5' af	0-2' af	0-2' af	0-2.5' af
5.5'-20' Tp	@ 2'	7'-15' Qal	2'-18.5' Qal	2'-10' Tp	1.5'-12' Tp	0.5'-2' Qcol	2.5'-5' Tp	0.5'-3' Tp	2'-5' Tp	2'-4' Tp	2.5'-4' Tp
No Seepage	@ 3.5'	15'-25' Tp	18.5'-20' Tp	@ 4.5'	@ 4'	2'-4' Tp	@ 4'	@ 2.5'	@ 4'	@ 3'	@ 3'
	@ 3.5'	15'-25' Seepage	12'-20' Seepage	@ 5.5'	@ 6.5'	@ 3'	@ 4'	@ 2.5'	@ 4'	@ 3.5'	@ 3'
	@ 6'			@ 9.5'-10' Seepage	@ 11.5'-12' Seepage	@ 3'		No Seepage	No Seepage	No Seepage	@ 3'
	9'-15' Seepage					No Seepage	No Seepage				No Seepage



LEGEND

- af — ARTIFICIAL FILL (where > 4' thick)
- Qal — ALLUVIUM (where > 4' thick)
- Qcol — COLLUVIUM (where > 4' thick)
- Tp — BEDROCK (PUENTE FORMATION)
- C, D, E, F, G, I, K, L — MARKER BEDS
- 40 — BEDDING ORIENTATION
- VERTICAL FRACTURE
- GEOLOGIC CONTACT
- B14 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2023, FN 20489)
- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016, FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016, FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013, FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013, FN 20489)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006, FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006, FN 19267)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017, FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- DEMOLISHED STRUCTURE
- EXISTING STRUCTURE
- SUBJECT SITE
- ANTICLINE, ARROW SHOWING PLUNGE DIRECTION
- SYNCLINE, ARROW SHOWING PLUNGE DIRECTION
- H H' — CROSS SECTION LOCATION

SCALE IN FEET
0 25 50 100

GEOLOGIC MAP

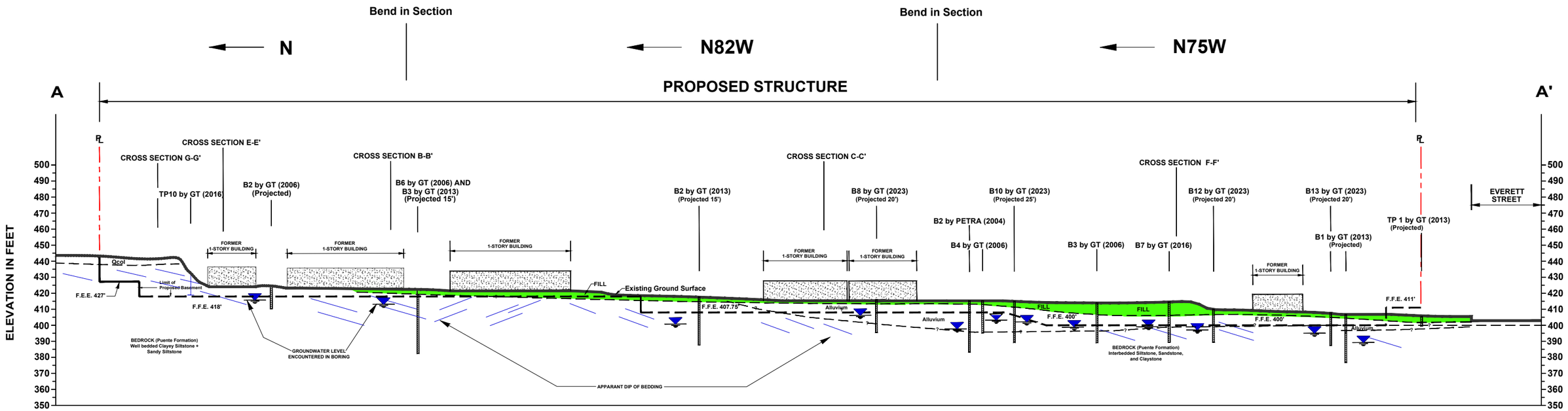
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: NOVEMBER 2023

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE



CROSS SECTION A-A'

REFERENCE: TOPOGRAPHIC MAP PROVIDED BY SITETECH INC. NOT DATED

SCALE IN FEET

0 20 40 60 120

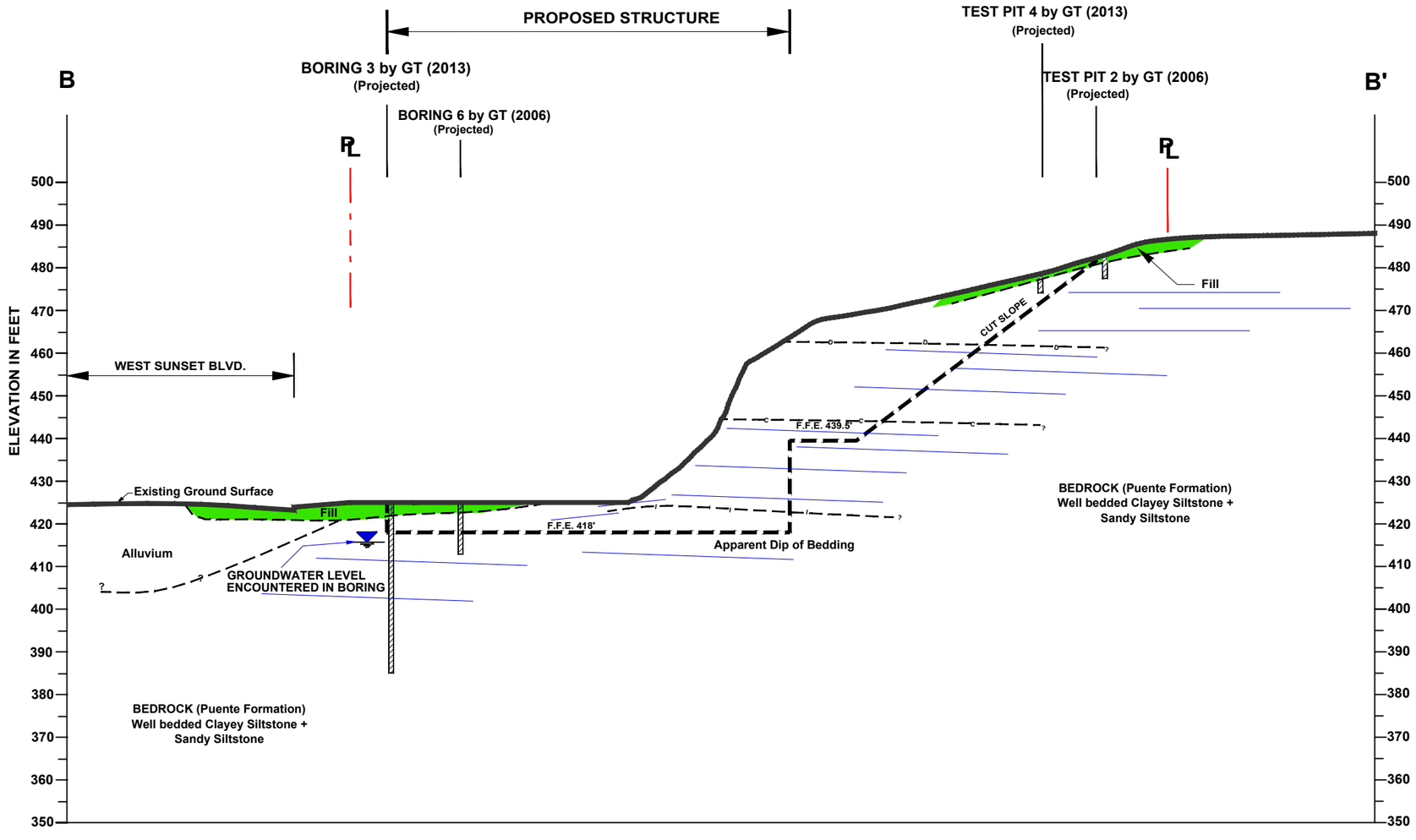
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION B-B'

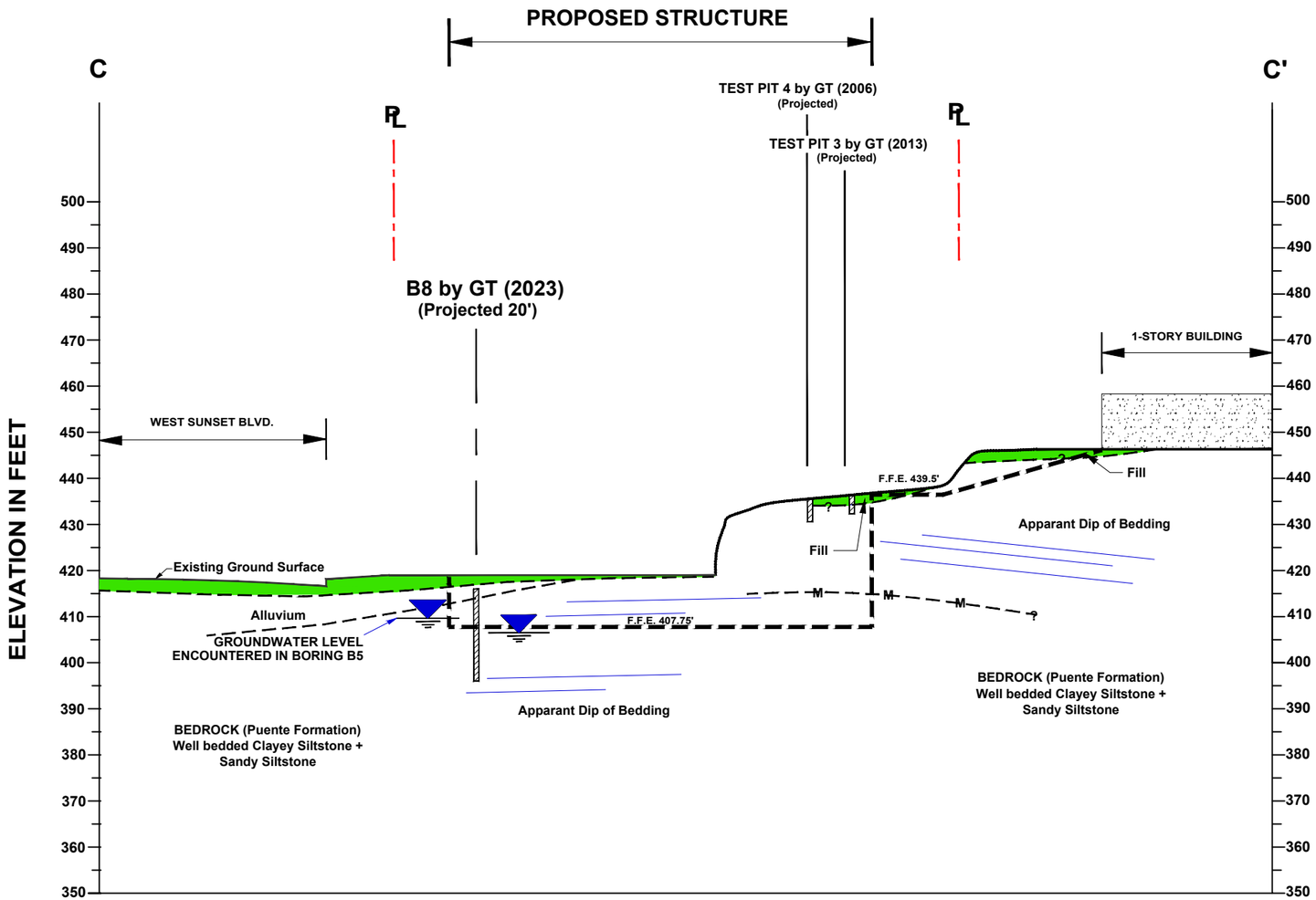
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION C-C'

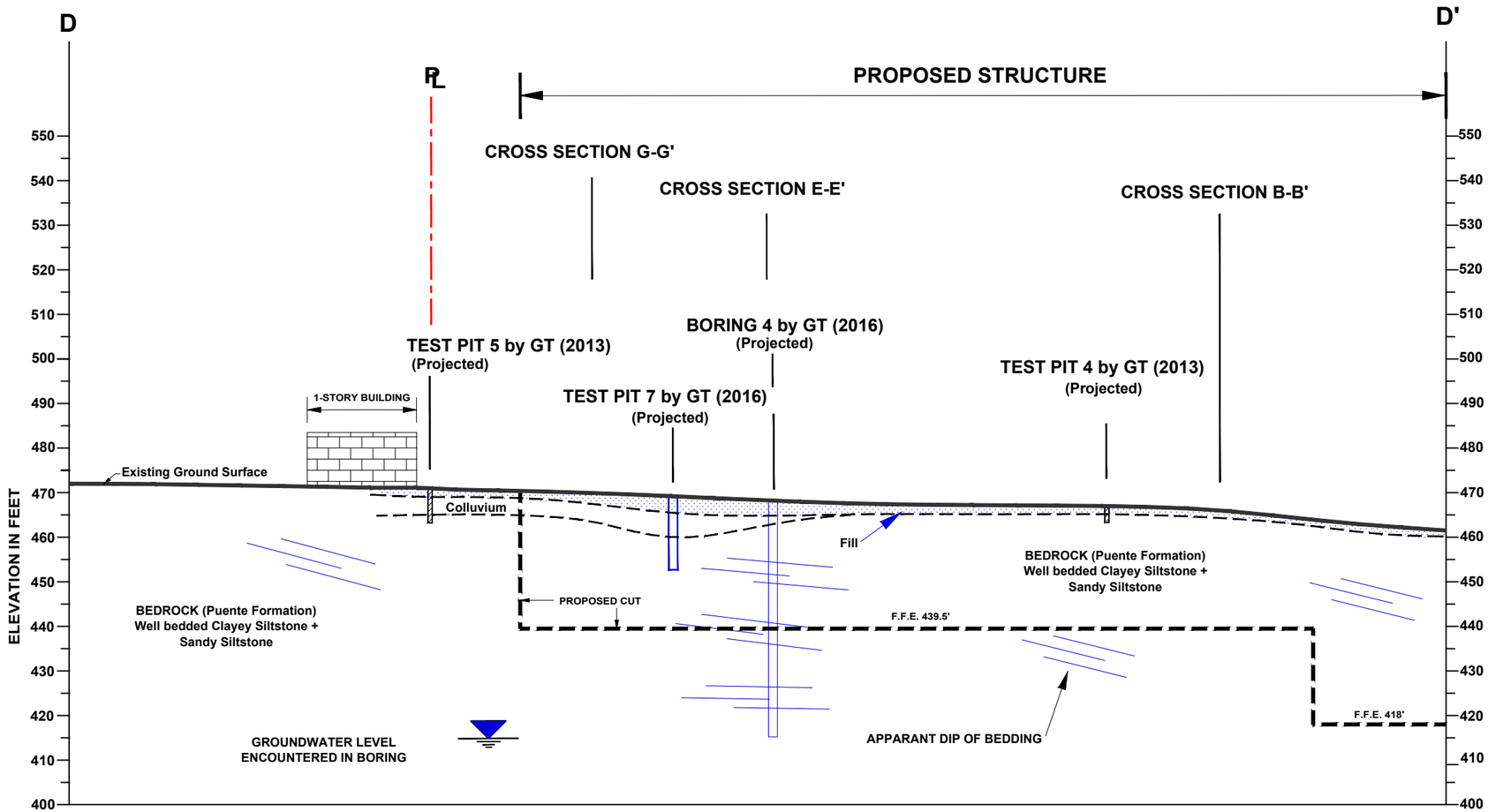
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION D-D'

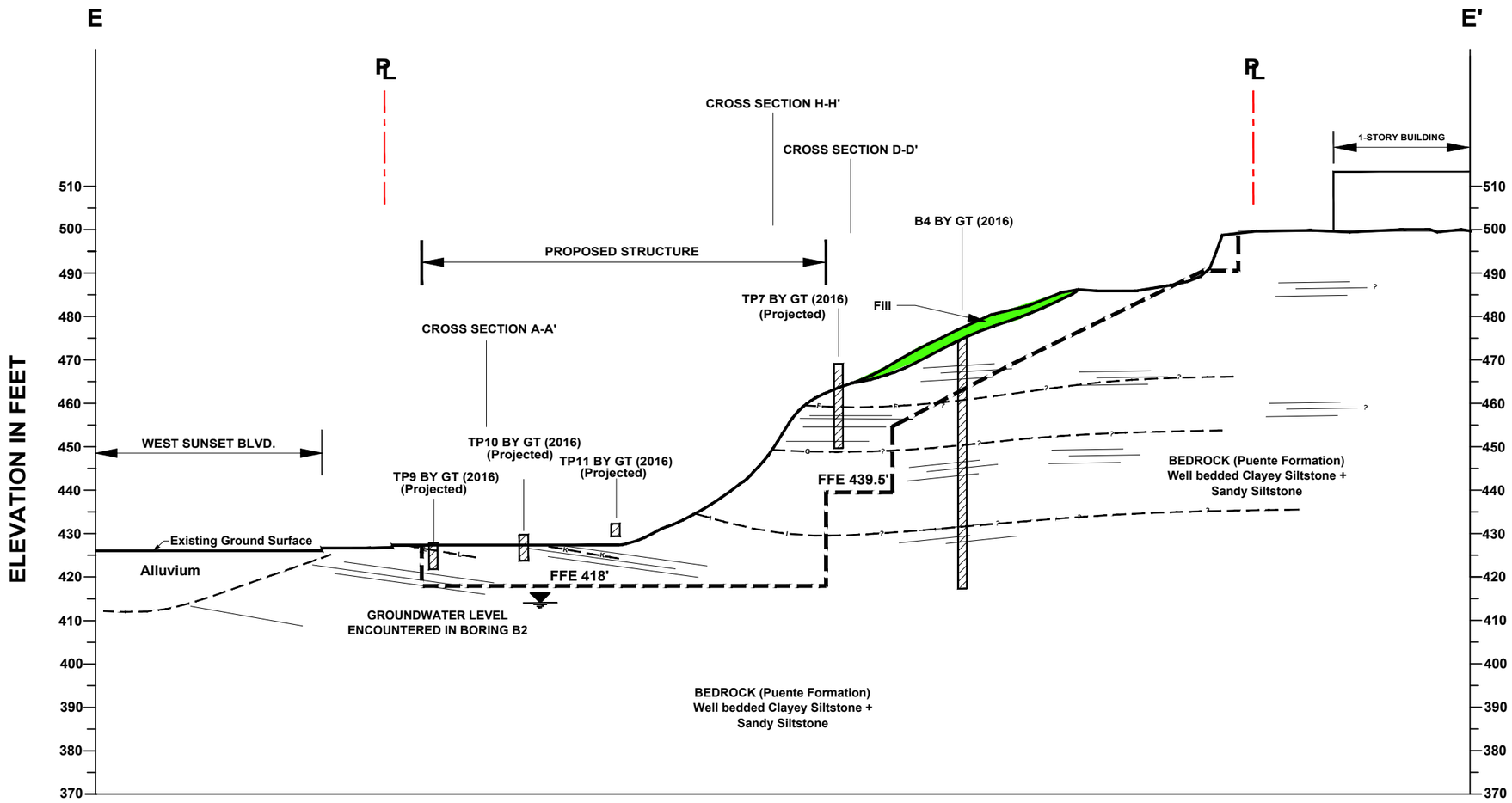
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION E-E'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

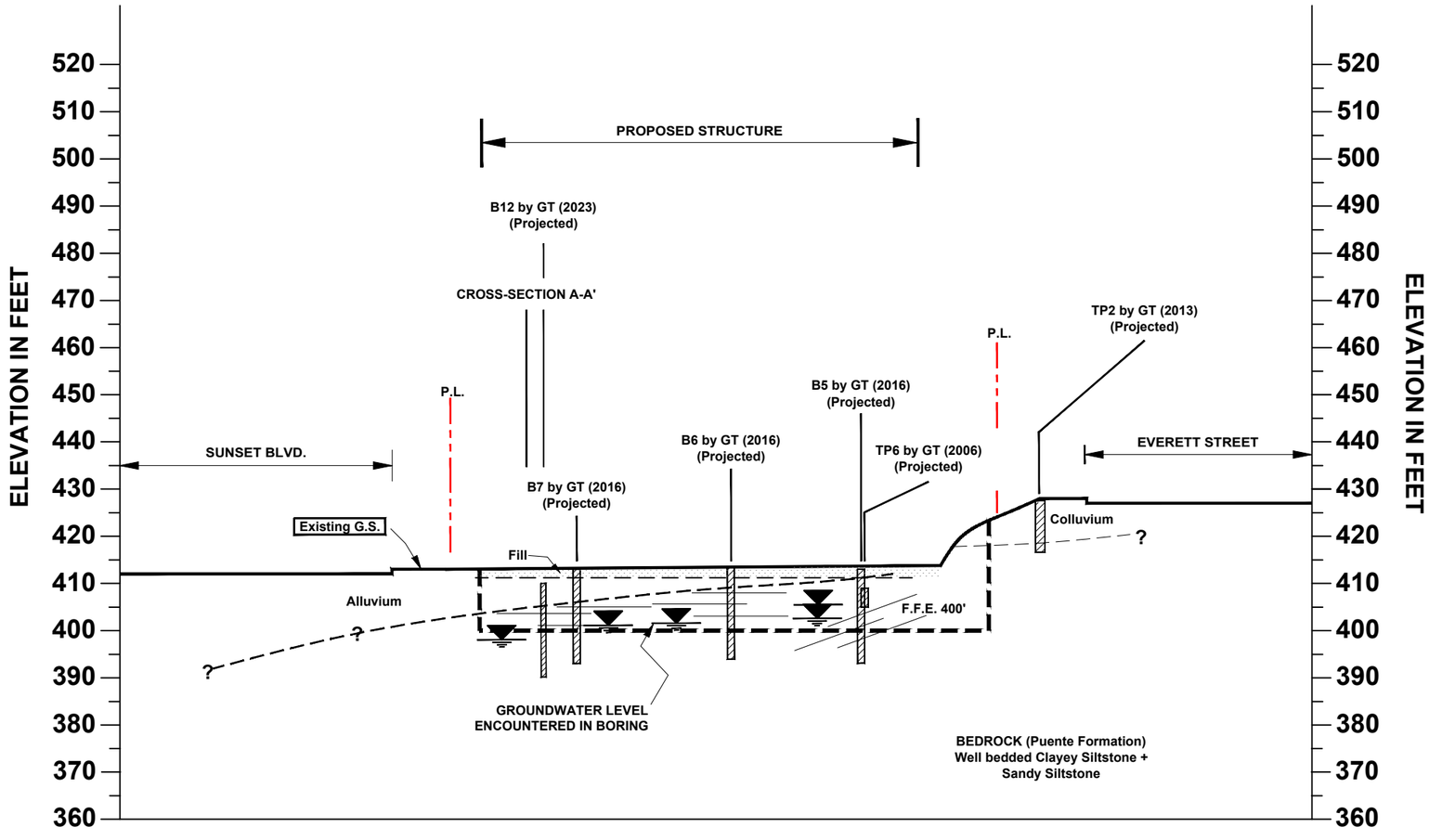
DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

E

F

F'



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION F-F'

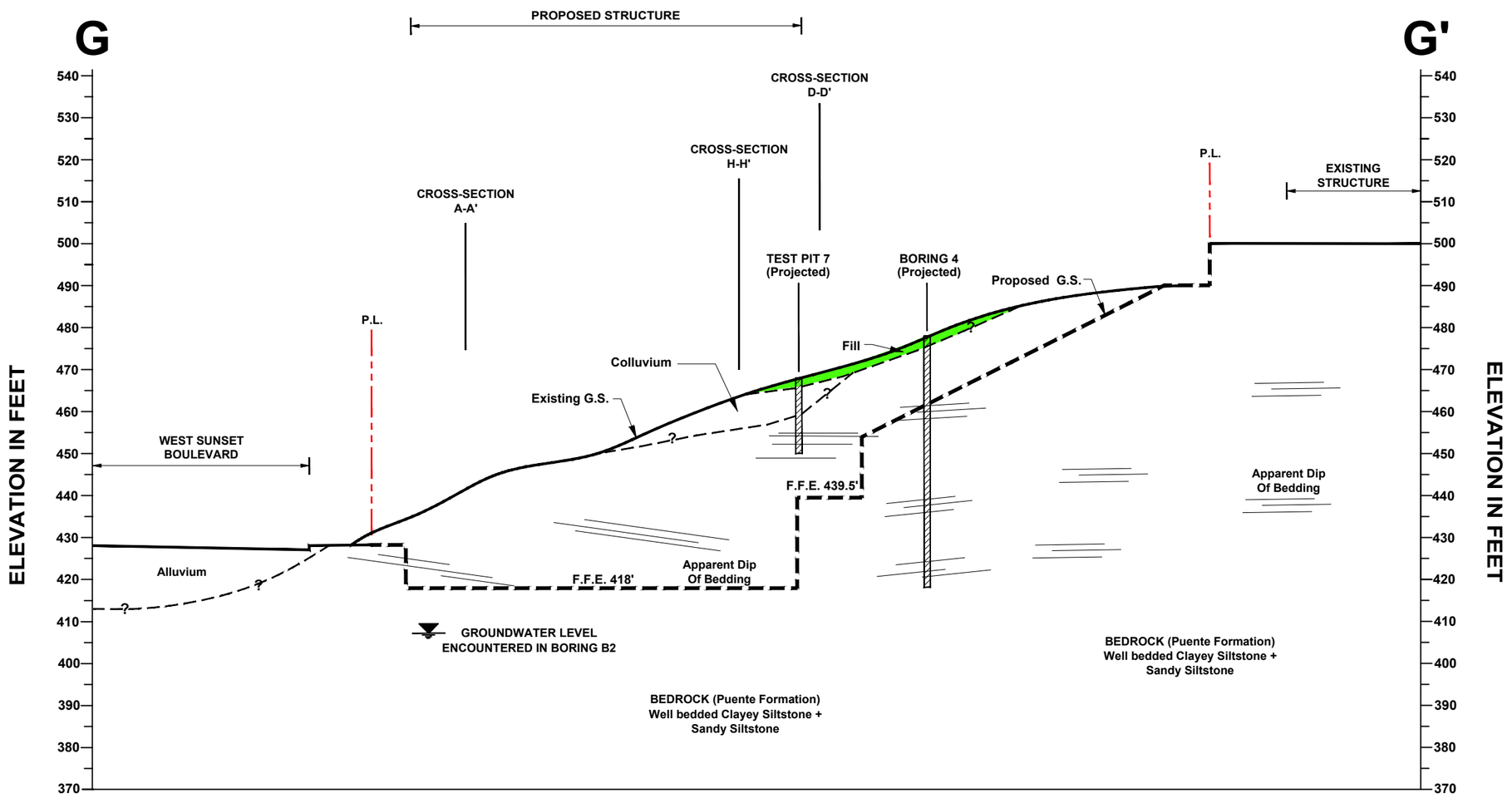
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

W



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC. NOT DATED

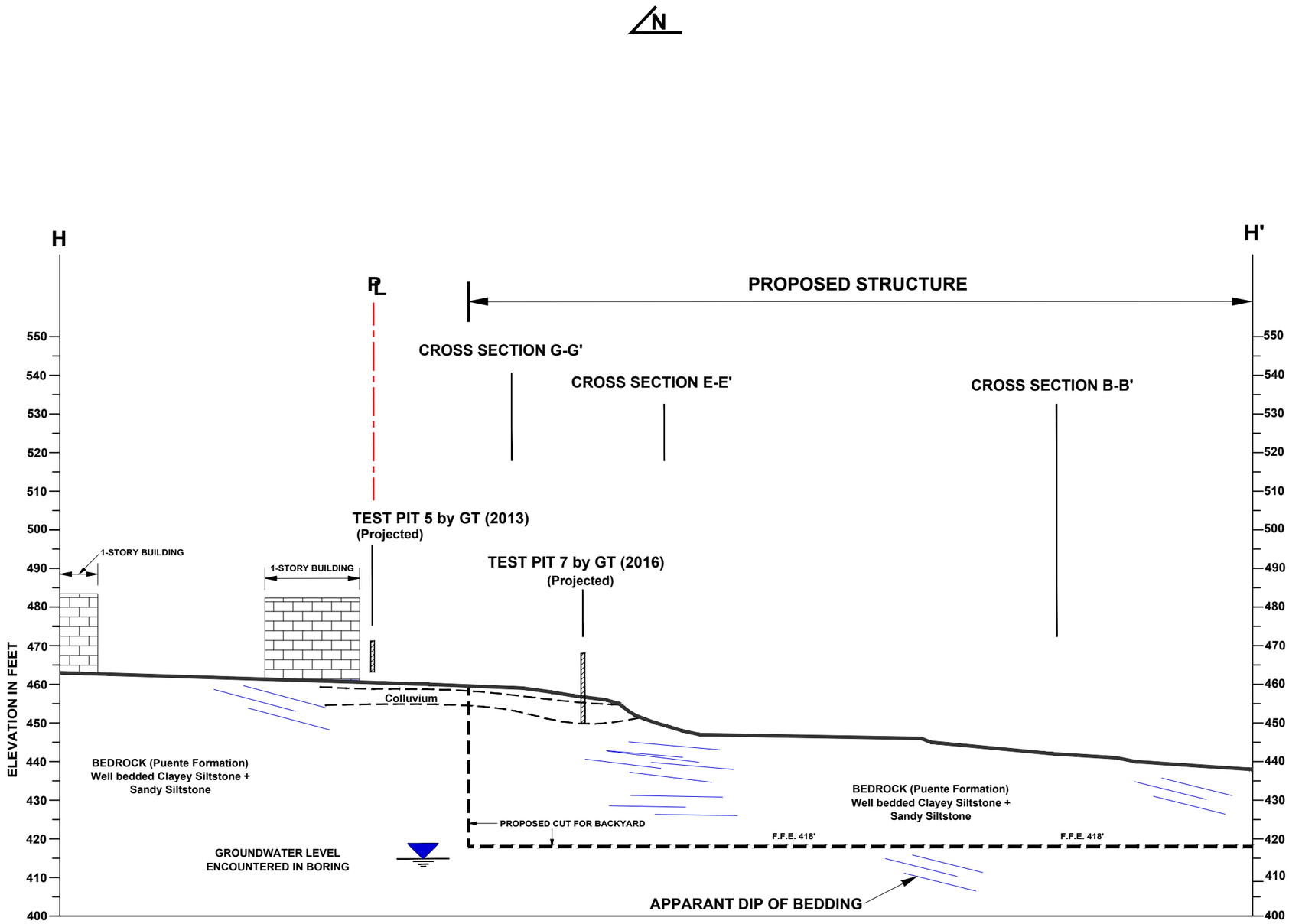
CROSS SECTION G-G'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION H-H'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: OCTOBER 2023

BORING LOG NUMBER 8

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 416'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 -- - 1 -- - 2 -- - 3 --		FILL: Sandy Silt to Silty Clay, dark brown, moist, stiff
				- 4 -- -	ML/CL	ALLUVIUM: Sandy Silt to Silty Clay, brown, moist
5	14	25.3	94.4	5 -- - 6 -- - 7 --		Clayey Silt to Silty Clay
7.5	10	28.5	92.9	- 8 -- - 9 --	CL	Silty Clay
10	9	28.1	93.4	- 10 -- - 11 -- - 12 --	ML/CL	Clayey Silt to Silty Clay
12.5	9	26.0	99.4	- 13 -- - 14 --		brown and yellowish brown, wet, mottled
15	19	25.8	97.7	15 -- - 16 -- - 17 --	RX	BEDROCK (PUENTE FORMATION) Sandstone and Clayey Siltstone, yellowish brown and greenish gray, wet, moderately hard, well bedded, white caliche streaks
17.5	54/6" 50/4"	24.3	101.7	- 18 -- - 19 -- -		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual. Used 8-inch diameter Hollow-Stem Auger 140-lb. Automatic Hammer, 30-inch drop
20	50/3"	24.9	101.9	20 -- - 21 -- -		Modified California Sampler used unless otherwise noted
				22 -- - 23 -- - 24 -- - 25 -- -		Total Depth 21.5 feet Water at 9.5 feet Fill to 3 feet

BORING LOG NUMBER 9

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 415'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 --		FILL: Sandy Silt to Silty Clay, dark brown, moist, stiff
				-		
				1 --		
				-		
				2 --		
				-		
				3 --		
				-	ML/CL	ALLUVIUM: Clayey Silt to Silty Clay, dark brown, moist, very stiff
				4 --		
				-		
5	82	27.7	94.3	5 --		
				-	RX	BEDROCK (PUENTE FORMATION): Sandstone yellowish brown and light greenish gray, moist, moderately hard, white caliche streaked, well bedded
				6 --		
				-		
				7 --		
				-		
				8 --		
				-		
				9 --		
				-		
10	65	20.2	111.7	10 --		
				-		brownish yellow, moist, moderately hard
				11 --		
				-		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
				12 --		
				-		
				13 --		Used 8-inch diameter Hollow-Stem Auger
				-		140-lb. Automatic Hammer, 30-inch drop
				14 --		Modified California Sampler used unless otherwise noted
				-		
15	50	22.7	102.5	15 --		
				-		Interbedded Clayey Siltstone and Sandstone, yellowish brown and greenish gray
				16 --		
				-		
				17 --		
				-		
				18 --		
				-		
				19 --		
				-		
20	65	25.7	99.1	20 --		
				-		Sandstone, greenish gray and yellowish brown
				21 --		
				-		
				22 --		Total Depth 21.5 feet
				-		Water at 11.5 feet
				23 --		Fill to 3 feet
				-		
				24 --		
				-		
				25 --		
				-		

BORING LOG NUMBER 10

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 415'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 -- - 1 -- - 2 -- - 3 -- - 4 --		FILL: Sandy Silt to Silty Clay, dark brown, moist, stiff
5	16	21.9	95.6	- 5 -- - 6 -- - 7 --	CL	ALLUVIUM: Silty Clay, dark brown with dark red mottling, moist, firm to stiff, organics
7.5	18	24.2	102.8	- 8 -- - 9 --	ML/CL	Sandy Silt to Silty Clay, yellowish brown with light brown mottling
10	17	24.9	103.9	- 10 -- - 11 -- - 12 --		
12.5	25	20.7	106.0	- 13 -- - 14 --		
15	40	21.6	106.6	- 15 -- - 16 -- - 17 --	ML	Sandy to Clayey Silt, dark reddish brown and grayish brown, moist, stiff
17.5	26	20.4	102.3	- 18 -- - 19 --		@ 18' 1" layer of Gravelly Sand, dark, reddish brown
20	51	22.5	105.8	- 20 -- - 21 -- - 22 --	RX	BEDROCK (PUENTE FORMATION): Interbedded Sandstone to Siltstone, gray and yellowish brown, moist, moderately hard, well bedded
22.5	81	20.8	105.7	- 23 -- - 24 -- -		
25	77	25.5	102.5	25 -- -		yellowish brown, with white caliche streaks

BORING LOG NUMBER 10

Aragon Properties Corporation

File No. 20489

kk

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description
				26 --	RX	BEDROCK (PUENTE FORMATION): Interbedded Sandstone to Siltstone, gray and yellowish brown, moist, moderately hard, well bedded
				27 --		Total Depth 26.5 feet
						Water at 12.5 feet
				28 --		Fill to 4 feet
				29 --		
				30 --		
				31 --		
				32 --		
				33 --		
				34 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual.
				35 --		Used 8-inch diameter Hollow-Stem Auger
				36 --		140-lb. Automatic Hammer, 30-inch drop
				37 --		Modified California Sampler used unless otherwise noted
				38 --		
				39 --		
				40 --		
				41 --		
				42 --		
				43 --		
				44 --		
				45 --		
				46 --		
				47 --		
				48 --		
				49 --		
				50 --		

BORING LOG NUMBER 11

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 415'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 --		FILL: Sandy Silt to Silty Clay, dark brown, moist, stiff
				1 --		
				2 --		
				3 --	ML/CL	ALLUVIUM: Clayey Silt to Silty Clay, dark brown, moist, stiff
				4 --		
5	69	17.0	105.3	5 --	ML	Sandy to Clayey Silt, yellowish brown, moist, stiff
				6 --	RX	BEDROCK (PUENTE FORMATION): Silty Sandstone, light and yellowish brown, moist, moderately hard
				7 --		
				8 --		
				9 --		
10	50	26.6	97.8	10 --		Interbedded Sandstone to Siltstone, dark and grayish brown, moist, moderately hard
				11 --		
				12 --		
				13 --		
				14 --		
15	51	23.6	103.5	15 --		Sandstone with some Clayey Siltstone interbeds, yellowish brown and greenish gray
				16 --		
				17 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual Used 8-inch diameter Hollow-Stem Auger 140-lb. Automatic Hammer, 30-inch drop Modified California Sampler used unless otherwise noted
				18 --		
				19 --		
20	41	25.0	101.3	20 --		light gray and yellowish brown
				21 --		
				22 --		Total Depth 21.5 feet Water at 11.5 feet Fill to 3 feet
				23 --		
				24 --		
				25 --		

BORING LOG NUMBER 12

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 410'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 --		FILL: Silty Sand to Sandy Silt, dark brown, moist, medium dense, fine grained, stiff
				1 --		
				2 --		
				3 --		
					ML/CL	ALLUVIUM: Clayey Silt to Silty Clay, dark brown, moist, stiff
				4 --		
5	47	19.8	111.7	5 --	CL	Clayey Silt, dark brown and dark reddish brown, moist, stiff
				6 --		
				7 --		
7.5	20	28.9	92.5			
				8 --		yellowish brown
				9 --		
10	32	24.4	98.8	10 --		BEDROCK (PUENTE FORMATION): Siltstone to Sandstone, dark and grayish brown, reddish yellow and greenish gray, moist, moderately hard, well bedded, white caliche along fracture surfaces
				11 --		
				12 --		
				13 --		
				14 --		
15	59	36.7	87.8	15 --		Sandstone, light greenish gray, very moist
				16 --		
				17 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual Used 8-inch diameter Hollow-Stem Auger 140-lb. Automatic Hammer, 30-inch drop Modified California Sampler used unless otherwise noted
				18 --		
				19 --		
20	84	24.0	103.0	20 --		Silty Sandstone, greenish gray and grayish brown,
				21 --		
				22 --		Total Depth 21.5 feet Water at 12.5 feet Fill to 3 feet
				23 --		
				24 --		
				25 --		

BORING LOG NUMBER 13

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 408'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 --		FILL: Sandy to Clayey Silt, dark brown, moist, stiff
				-		
				1 --		
				-		
				2 --		
				-		
				3 --		
				-	ML	ALLUVIUM: Sandy Silt, mottled brown and yellowish brown, moist, firm to stiff
				4 --		
				-		
5	31	25.4	99.2	5 --		
				-		Sandy Silt with rock fragment, dark and yellowish brown, moist, stiff
				6 --		
				-		
				7 --		
7.5	20	22.0	99.1	-		
				8 --		
				-	RX	BEDROCK (PUENTE FORMATION): Sandstone, brown and yellowish brown, moist, moderately hard, well bedded
				9 --		
				-		
10	54	20.4	102.4	10 --		
				-		Sandstone to Siltstone, dark gray and reddish brown, very weathered
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	32	23.7	98.8	15 --		
				-		Sandstone, greenish gray and reddish brown
				16 --		
				-		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual
				17 --		
				-		Used 8-inch diameter Hollow-Stem Auger
				18 --		140-lb. Automatic Hammer, 30-inch drop
				-		Modified California Sampler used unless otherwise noted
				19 --		
				-		
20	46	34.3	91.5	20 --		
				-		gray and light gray
				21 --		
				-		
				22 --		Total Depth 21.5 feet
				-		Water at 12.5 feet
				23 --		Fill to 3 feet
				-		
				24 --		
				-		
				25 --		
				-		

BORING LOG NUMBER 14

Aragon Properties Corporation **Date: 11/09/23** **Elevation: 411'***

File No. 20489 **Method: 8-inch diameter Hollow Stem Auger**

kk *Reference: Topographic Map by Site Tech, not dated

Sample Depth ft.	Blows per ft.	Moisture content %	Dry Density p.c.f.	Depth in feet	USCS Class.	Description Surface Conditions: Barren Ground
				0 --		FILL: Silty Sand, yellowish brown, moist, medium dense, fine grained, minor gravel
				-		
				1 --		
				-		
				2 --		
				-		
				3 --		
				-		
				4 --		
				-		
5	100/5"	4.0	138.1	5 --	RX	BEDROCK (PUENTE FORMATION): Sandstone to Siltstone, cemented, pale yellowish brown, moist, moderately hard to hard, massive
				-		
				6 --		
				-		
				7 --		
				-		
				8 --		
				-		
				9 --		
				-		
10	92	18.5	109.8	10 --		Sandstone, light yellowish brown, massive, moderately hard
				-		
				11 --		
				-		
				12 --		
				-		
				13 --		
				-		
				14 --		
				-		
15	39	35.2	88.1	15 --		Interbedded Sandstone and Clayey Sandstone, well bedded, greenish gray and gray
				-		
				16 --		
				-		
				17 --		NOTE: The stratification lines represent the approximate boundary between earth types; the transition may be gradual. Used 8-inch diameter Hollow-Stem Auger 140-lb. Automatic Hammer, 30-inch drop Modified California Sampler used unless otherwise noted
				-		
				18 --		
				-		
				19 --		
				-		
20	58	24.3	98.3	20 --		light reddish brown, dark brown and grayish brown
				-		
				21 --		
				-		
				22 --		Total Depth 21.5 feet No Water Fill to 6 feet
				-		
				23 --		
				-		
				24 --		
				-		
				25 --		
				-		

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GEOLOGY AND SOILS REPORT REVIEW LETTER

January 16, 2024

LOG # 127750-01
SOILS/GEOLOGY FILE - 2

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, CA 90026
Attn: Jeff Farrington

TRACT: TT 72553
LOT(S): 1,2, 5, 7,9,11,13, 15, 17,19, 21,and 23
LOCATION: 1185 W Sunset Blvd.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Geology/Soils Report	20489	12/06/2023	Geotechnologies, Inc.
Oversized Document	``	``	``

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Review Letter	127750	10/17/2023	LAADBS – Grading
Geology/Soils Report	20489	09/06/2023	Geotechnologies, Inc.
Dept. Approval Letter	85606	09/23/2014	LADBS – Grading
Geology/Soils Report	20489	09/10/2014	Geotechnologies, Inc.
3rd Party Cover Letter	-------	08/05/2014	Hoover Tang
3rd Party Review Letter	-------	08/04/2014	Wilson Geosciences Inc. / Geo-Dynamics, Inc.
Dept. Appr. Letter	83257-01	06/24/2014	LADBS – Grading
Geology/Soils Report (Resp.)	20489	05/22/2014	Geotechnologies, Inc.
Dept. Correction Letter	83257	03/13/2014	LADBS – Grading
Geology/Soils Report	20489	03/04/2014	Geotechnologies, Inc.
Geology/Soils Report	20489	04/09/2013	Geotechnologies, Inc.

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated December 6, 2023, that provides recommendations for the proposed new apartment complex, retaining walls, Mat Foundations, waterproofing, and dewatering of groundwater, as depicted on the Plot Plan, Geologic Map and Geologic Cross Sections A-A' through F-F'. The consultants report that the proposed project is seven stories in height with one to two levels of subterranean parking. Proposed retaining walls are estimated to range up to 30 feet high. Topographic relief across the site is 95 feet from highest to lowest points. Prior to development along Sunset Blvd.

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

the westerly descending slope was up to 70 feet high and at an approximate gradient of 4(H):1(V), afterwards, the slope was 45 feet high at an approximate gradient of 1(H):1(V). Tiebacks and shoring are proposed to support excavations.

The Grading Division of the Department of Building and Safety has reviewed the 09/10/2014 report prepared by Geotechnologies in response to 3rd party review comments presented in the 08/04/2014 letter prepared by Wilson Geosciences and Geo-Dynamics (with a cover letter dated 08/05/2014 by Hoover Tang), regarding surface fault rupture, slope stability analysis, groundwater seepage, and expansive soils.

The consultants performed numerous exploratory excavations, upwards of 30 test pits and 13 borings, from 2006, 2013, and 2016. In 2004, the previous consultant Petra excavated several test pits and hollow stem and bucket auger borings. The earth materials at the subsurface exploration locations consist of fill, from 0.5 to 18.5 feet thick, alluvium from 2 to 9 feet thick, colluvium from 3 to 6 feet thick, underlain by well bedded interbedded sandstone and siltstone Puente Formation Bedrock to a depth of 60 feet. Regional Bedrock bedding is uniform in the area of the subject site, where bedrock dips to the south and southwest ranging from 20 to 50 degrees. The regional geologic structure matches that of the subsurface exploratory excavations.

The consultants' report that groundwater was encountered in all the borings drilled along Sunset Blvd. The groundwater surface appears to descend to the south, down Sunset Blvd. In general groundwater is approximately 9 feet below the ground surface. The water is identified in the alluvium and in the joints and fractures of the bedrock. The ground water level is above the proposed basement finish floor elevation at both ends of the site. Based on the consultants review of the local Seismic Hazard Report, historic high ground water is approximately 20 feet below the ground surface. The consultants note that water seepage into the excavations will occur primarily at the alluvium-bedrock contact, along Sunset Blvd. The water will occur along a distinct zone above the contact. Some seepage may occur through fractures in the rock and along the bedding planes in deeper excavations near Sunset Blvd. .

In the consultants borings excavated in 2006, Boring B-2 (2006), seepage was encountered from 9 to 15 feet, with standing water at 14 feet. In Boring B-3 (2006), seepage was encountered from 15 to 25 feet, with standing water at 15 feet. In Boring B-4 (2006), seepage was encountered from 12 to 20 feet, with standing water at 12 feet. In Boring B-5 (2006), seepage was encountered from 9.5 to 10 feet. In Boring B-6 (2006), seepage was encountered from 11.5 to 12 feet.

In the consultants Borings excavated in 2013, Boring B-1 (2013), groundwater was encountered at 17.5 feet below the ground surface. Boring B-2(2013), groundwater was encountered at 17 feet below the ground surface. Boring B-3 (2013), groundwater was encountered at 9.5 feet below the ground surface. Boring B-4 (2013), no groundwater was encountered to the maximum depth explored of 60 feet below the ground surface.

In the consultants borings excavated in 2016, Boring B-5 (2016), seepage was encountered at 9 and 12 feet below the ground surface, with groundwater at 19 feet. In Boring B-6 (2016), seepage was encountered at 11.5 feet below the ground surface. In Boring B-7 (2016), seepage was encountered at 12 feet below the ground surface.

The subject site is not in an area zoned by the State as potentially liquefiable. This determination is based on groundwater depth records, soil type, and distance to a fault capable of producing a substantial earthquake. The proposed structure will be supported in the siltstone bedrock of the

Puente Formation. The consultants note that this bedrock will not liquefy due to its moderately hard consistency and it's long tectonic history.

The consultants recommend to support the proposed structure(s) on conventional, mat, and/or drilled-pile foundations bearing on competent bedrock.

The review of the subject report dated December 6, 2023, cannot be completed at this time and will be continued upon submittal of an addendum to the report which shall include, but not be limited to, the following:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2023 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. As previously requested, Cross Sections B-B', E-E', and F-F', do not appear to provide the Code required setback of the proposed building from the toe of the ascending slope (1808.7.1). Provide revised Geologic Cross Sections that clearly depict the Code required setback. It appears that the proposed building sets at the toe of slope and the terrace cut is inside the building envelope.

The project engineering geologist and soils engineer shall prepare a report containing an itemized response to the review items indicated in this letter. If clarification concerning the review letter is necessary, the report review engineer and/or geologist may be contacted. Two copies of the response report, including one unbound wet-signed original for archiving purposes, a pdf-copy of the complete report in a flash drive, and the appropriate fees will be required for submittal.

JEFFREY T. WILSON
Engineering Geologist I

YING LIU
Geotechnical Engineer II

JTW/YL:jtw/yl
Log No. 127750
213-482-0480

cc: Geotechnologies, Inc., Project Consultant
LA District Office

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
Grading Division

District VN | Log No. 127750-1

APPLICATION FOR REVIEW OF TECHNICAL REPORTS

INSTRUCTIONS

A. Address all communications to the Grading Division, LADBS, 201 N. Figueroa St., 3rd Fl., Los Angeles, CA 90012 Telephone No. (213)482-0480.
B. Submit two copies (three for subdivisions) of reports, one "pdf" copy of the report on a CD-Rom or flash drive, and one copy of application with items "1" through "10" completed.
C. Check should be made to the City of Los Angeles.

1. LEGAL DESCRIPTION
Tract: ANGELENO HEIGHTS
Block: 31 Lots: 1

2. PROJECT ADDRESS: 1185 West Sunset Boulevard, Los Angeles

3. OWNER: Aragon (Sunset/Everett) Properties Corp.
Address: 1750 Glendale Boulevard, Suite 102
City: Los Angeles Zip: 90026
Phone (Daytime):

4. APPLICANT Geotechnologies, Inc.
Address: 439 Western Avenue
City: Glendale Zip: 91201
Phone (Daytime): (818) 240-9600
E-mail address: Pymt:accounting@geoteq.com;Eng:rknur@geoteq.com

5. Report(s) Prepared by: Geotechnologies, Inc. (File No. 20489)

6. Report Date(s): December 6, 2023

7. Status of project: ☑ Proposed ☐ Under Construction ☐ Storm Damage

8. Previous site reports? ☑ YES if yes, give date(s) of report(s) and name of company who prepared report(s)
Updated Geotechnical Engineering Investigation 09/06/23 Geotechnologies, Inc.

9. Previous Department actions? ☑ YES if yes, provide dates and attach a copy to expedite processing.
Dates: 10/17/23 Log#127750

10. Applicant Signature: Position:

(DEPARTMENT USE ONLY)

REVIEW REQUESTED	FEES	REVIEW REQUESTED	FEES
☐ Soils Engineering		No. of Lots	
☐ Geology		No. of Acres	
☒ Combined Soils Engr. & Geol.		☐ Division of Land	
☐ Supplemental		Other	
☐ Combined Supplemental		☒ Expedite	131.50
☐ Import-Export Route		☒ Response to Correction	303.20
Cubic Yards:		☐ Expedite ONLY	
		Sub-total	544.50
		One-Stop Surcharge	129.80
		TOTAL FEE	674.30

Fee Due: 674.30
Fee Verified By: AM Date: 12/11/23
(Cashier Use Only)

Receipt # 1733305

ACTION BY:

THE REPORT IS: ☐ NOT APPROVED
☐ APPROVED WITH CONDITIONS ☐ BELOW ☐ ATTACHED

For Geology Date

For Soils Date

Paid on 12/11/23

Geotechnologies, Inc.
Consulting Geotechnical Engineers
439 Western Avenue
Glendale, California 91201-2837
818.240.9600 • Fax 818.240.9675

January 26, 2024
File No. 20489

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, California 90026

Attention: Jeff Farrington

Subject: Response to City of Los Angeles Geology and Soils Report Review Letter
Proposed Apartment Complex
1185 West Sunset Boulevard, Los Angeles, California

References: *Report by Geotechnologies, Inc.:*
Updated Geotechnical Engineering Investigation, dated September 6, 2023;
Response to City of Los Angeles Soils Report Review Letter,
dated December 6, 2023.

City of Los Angeles Department of Building and Safety Correspondence:
Soils Report Review Letter, Log # 127750, dated October 17, 2023;
Soils Report Review Letter, Log # 127750-01, dated January 16, 2024.

Dear Mr. Farrington:

This firm is in receipt of the referenced Geology and Soils Report Review Letter, dated January 16, 2024, issued by the City of Los Angeles, Department of Building and Safety. Therein, one comment is made which requires input from this office. The comment is repeated below and the response immediately follows. A copy of the review letter has been enclosed for reference.

Comment 1: *As previously requested, Cross Sections B-B', E-E', and F-F', do not appear to provide the Code required setback of the proposed building from the toe of the ascending slope (1808.7.1). Provide revised Geologic Cross Sections that clearly depict the Code required setback. It appears that the proposed building sets at the toe of slope and the terrace cut is inside the building envelope.*

Response: The Plot Plan, Geologic Map and Cross Sections A-A' through H-H' have been revised to clearly depict the proposed building location. A 15-foot-wide setback separates the proposed building and the toe of the easterly-ascending slope. The setback is being utilized as a courtyard.

At Cross Section F-F' along Everett Street, the building and property line are coincident at the edge of the sidewalk. There is no ascending slope. Therefore a setback will not be required at this location.

Geotechnologies, Inc. appreciates the opportunity to provide our services on this project. Should you have any questions please contact this office.

Respectfully submitted,
GEOTECHNOLOGIES, INC.

REINARD T. KNUR
G.E. 2755/C.E.G. 1547

RTK:kk

Enclosures: Soils Report Review Letter dated January 16, 2024 (3 pages)
Plot Plan
Geologic Map
Cross Section A-A'
Cross Section B-B'
Cross Section C-C'
Cross Section D-D'
Cross Section E-E'
Cross Section F-F'
Cross Section G-G'
Cross Section H-H'

Distribution: (1) Addressee
(2) City of Los Angeles, Department of Building and Safety

E-Mail to: [Jfarrington@aragon.ca], Attn: Jeffrey Farrington
[emoy@aragon.ca], Attn: Evan Moy
[lmoy@aragon.ca], Attn: Lenny Moy
[lramsay@aragon.ca], Attn: Luke Ramsay

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

JAVIER NUNEZ
PRESIDENT

JACOB STEVENS
VICE PRESIDENT

MOISES ROSALES
NANCY YAP

CITY OF LOS ANGELES
CALIFORNIA

KAREN BASS
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

JOHN WEIGHT
EXECUTIVE OFFICER

GEOLOGY AND SOILS REPORT REVIEW LETTER

January 16, 2024

LOG # 127750-01
SOILS/GEOLOGY FILE - 2

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, CA 90026
Attn: Jeff Farrington

TRACT: TT 72553
LOT(S): 1,2, 5, 7,9,11,13, 15, 17,19, 21,and 23
LOCATION: 1185 W Sunset Blvd.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Geology/Soils Report	20489	12/06/2023	Geotechnologies, Inc.
Oversized Document	``	``	``

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Review Letter	127750	10/17/2023	LAADBS – Grading
Geology/Soils Report	20489	09/06/2023	Geotechnologies, Inc.
Dept. Approval Letter	85606	09/23/2014	LADBS – Grading
Geology/Soils Report	20489	09/10/2014	Geotechnologies, Inc.
3rd Party Cover Letter	-------	08/05/2014	Hoover Tang
3rd Party Review Letter	-------	08/04/2014	Wilson Geosciences Inc. / Geo-Dynamics, Inc.
Dept. Appr. Letter	83257-01	06/24/2014	LADBS – Grading
Geology/Soils Report (Resp.)	20489	05/22/2014	Geotechnologies, Inc.
Dept. Correction Letter	83257	03/13/2014	LADBS – Grading
Geology/Soils Report	20489	03/04/2014	Geotechnologies, Inc.
Geology/Soils Report	20489	04/09/2013	Geotechnologies, Inc.

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated December 6, 2023, that provides recommendations for the proposed new apartment complex, retaining walls, Mat Foundations, waterproofing, and dewatering of groundwater, as depicted on the Plot Plan, Geologic Map and Geologic Cross Sections A-A' through F-F'. The consultants report that the proposed project is seven stories in height with one to two levels of subterranean parking. Proposed retaining walls are estimated to range up to 30 feet high. Topographic relief across the site is 95 feet from highest to lowest points. Prior to development along Sunset Blvd.

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

the westerly descending slope was up to 70 feet high and at an approximate gradient of 4(H):1(V), afterwards, the slope was 45 feet high at an approximate gradient of 1(H):1(V). Tiebacks and shoring are proposed to support excavations.

The Grading Division of the Department of Building and Safety has reviewed the 09/10/2014 report prepared by Geotechnologies in response to 3rd party review comments presented in the 08/04/2014 letter prepared by Wilson Geosciences and Geo-Dynamics (with a cover letter dated 08/05/2014 by Hoover Tang), regarding surface fault rupture, slope stability analysis, groundwater seepage, and expansive soils.

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JEFFREY T. WILSON
Engineering Geologist I

YING LIU
Geotechnical Engineer II

JTW/YL:jtw/yl
Log No. 127750
213-482-0480

cc: Geotechnologies, Inc., Project Consultant
LA District Office

LEGEND

- B14 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2023 FN 20489)
- B7 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- TP8 TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2016 FN 20489)
- B3 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2013 FN 20489)
- B6 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- TP6 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2006 FN 19267)
- B2 — LOCATION AND NUMBER OF BORING (BY PETRA GEOTECHNICAL INC., 2004 J.N. 588-04)
- TP24 — LOCATION AND NUMBER OF TEST PIT (BY GEOTECHNOLOGIES, INC., 2017 FN 20487)
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- EXISTING STRUCTURE
- DEMOLISHED STRUCTURE
- SUBJECT SITE

EVERETT STREET

SUBJECT SITE

PROPOSED CUT SLOPE

PROPOSED COURTYARD

PROPOSED STRUCTURE

F.F.E. = 439.5'

F.F.E. = 418'

F.F.E. = 427' PROPOSED COURTYARD

F.F.E. = 411'

F.F.E. = 407.75'

F.F.E. = 400'

RAMP

W SUNSET BLVD

MARION AVE

SCALE IN FEET

0 20 40 60 120

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

PLOT PLAN

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: January 2024

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2023) FILE NO 20489

B8 (elev. 416')	B9 (elev. 415')	B10 (elev. 415')	B11 (elev. 415')	B12 (elev. 410')	B13 (elev. 408')	B14 (elev. 411')
0-3' af	0-3' af	0-4' af	0-3' af	0-3' af	0-3' af	0-5' af
3'-15' Qal	3'-5' Qal	4'-20' Qal	3'-6' Qal	3'-10' Qal	3'-8' Qal	5'-21 1/2' Tp
15'-21 1/2' Tp	5'-21 1/2' Tp	20'-26 1/2' T p	6'-21 1/2' Tp	10'-21 1/2' Tp	8'-21 1/2' Tp	
Seepage @ 9 1/2'	Seepage @ 11 1/2'	Seepage @ 12 1/2'	Seepage @ 11 1/2'	Seepage @ 12 1/2'	Seepage @ 12 1/2'	NO WATER

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2016)

B4 (elev. 478')	B4 (cont.)	B4 (cont.)	B4 (cont.)	B5 (elev. 412')	B6 (elev. 412')	B7 (elev. 411')	TP7 (elev. 468')	TP8 (elev. 447')
0-4' af	@ 15.6'	@ 27.7"	@ 43.8'	0-0.8' af	0-3.5' af	0-0.75' af	0-4.5' af	0-2.5' af
4 - 60' Tp	@ 17.1'	@ 29.9'	@ 49.0'	0.8-20' Tp	3.5'-20' Qcol	0.75'-6.5' Qcol	4.5--9.0' Qcol	2.5'-13' Tp
@ 7.6'	@ 21.0'	@ 32.9'	@ 52.6'	@ 4.0'	@ 5'	6.5-20' Tp	9.0'-18.0' Tp	@ 3.5'
@ 10.2'	@ 23.4'	@ 33.9'	No Seepage	@ 7.0'	@ 6.3'	@ 10.4'	@ 10.0'	@ 8.0'
@ 12.4'	@ 25.1'	@ 40.8'		@ 11.0'	@10.2'	@ 14.0'	@ 11.4'	@10.0'
@ 13.4'				@ 14.4'	@12.8'	@ 12.0' Seepage	@ 17.0'	
				@ 9' and 12' Seepage	@ 11.5' Seepage		No Seepage	No Seepage

BORINGS BY PETRA GEOTECHNICAL (2004) JN 588-04

B1 (elev. 424')	B2 (elev. 416')
0-30' Tp	0-12' Qal
Seepage @ 24'	12'-31' Tp
	Seepage @ 17'

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2013) FILE NO 20489

B1 (elev. 409')	B2 (elev. 419.5')	B3 (elev. 424')	TP1 (elev. 407')	TP2 (elev. 425')	TP3 (elev. 444')	TP4 (elev. 480')	TP5 (elev. 470')	TP6 (elev. 409')
0-3' af	0-3' af	0-3' af	0-4' af	0-1' af	0-1.5' af	0-1' af	0-2' af	0-6' af
3'-10' Qal	3'-30' Tp	3'-40' Tp	4'-6' Qal	1'-10' Qcol	1.5'-10' Tp	1'-4' Tp	2'-6.5' Qcol	No Seepage
10'-30' Tp	Seepage @ 17'	Seepage @ 9.3'	No Seepage	10'-11' Tp	No Seepage	No Seepage	6.5'-8' Tp	
Seepage @ 17.5'				No Seepage			@ 7'	
							No Seepage	

BORINGS AND TEST PITS BY GEOTECHNOLOGIES, INC. (2006) FILE NO 19267

B1 (elev. 408')	B2 (elev. 423')	B3 (elev. 414')	B4 (elev. 413')	B5 (elev. 419')	B6 (elev. 421.5')	TP1 (elev. 477')	TP2 (elev. 479')	TP3 (elev. 452')	TP4 (elev. 434')	TP5 (elev. 476')	TP6 (elev. 409')
0-5.5' af	0-15' Tp	0-7' af	0-2' af	0-2' af	0-1.5' af	0-0.5' af	0-2.5' af	0-0.5' af	0-2' af	0-2' af	0-2.5' af
5.5'-20' Tp	@ 2'	7'-15' Qal	2'-18.5' Qal	2'-10' Tp	1.5'-12' Tp	0.5'-2' Qcol	2.5'-5' Tp	0.5'-3' Tp	2'-5' Tp	2'-4' Tp	2.5'-4' Tp
No Seepage	@ 3.5'	15'-25' Tp	18.5'-20' Tp	@ 4.5'	@ 4'	2'-4' Tp	@ 4'	@ 2.5'	@ 4'	@ 3'	@ 3'
	@ 3.5'	15'-25' Seepage	12'-20' Seepage	@ 5.5'	@ 6.5'	@ 3'	@ 4'	@ 2.5'	@ 4'	@ 3.5'	@ 3'
	@ 6'			@ 9.5'-10'	@ 11.5'-12' Seepage	No Seepage	No Seepage	No Seepage	No Seepage	No Seepage	No Seepage
	9'-15' Seepage			Seepage							

LEGEND

- af — ARTIFICIAL FILL (where > 4' thick)
- Qal — ALLUVIUM (where > 4' thick)
- Qcol — COLLUVIUM (where > 4' thick)
- Tp — BEDROCK (PUENTE FORMATION)
- C, D, E, F G, I, K, L — MARKER BEDS
- 40 — BEDDING ORIENTATION
- VERTICAL FRACTURE
- GEOLOGIC CONTACT
- B14 — LOCATION AND NUMBER OF BORING (BY GEOTECHNOLOGIES, INC., 2023, FN 20489)
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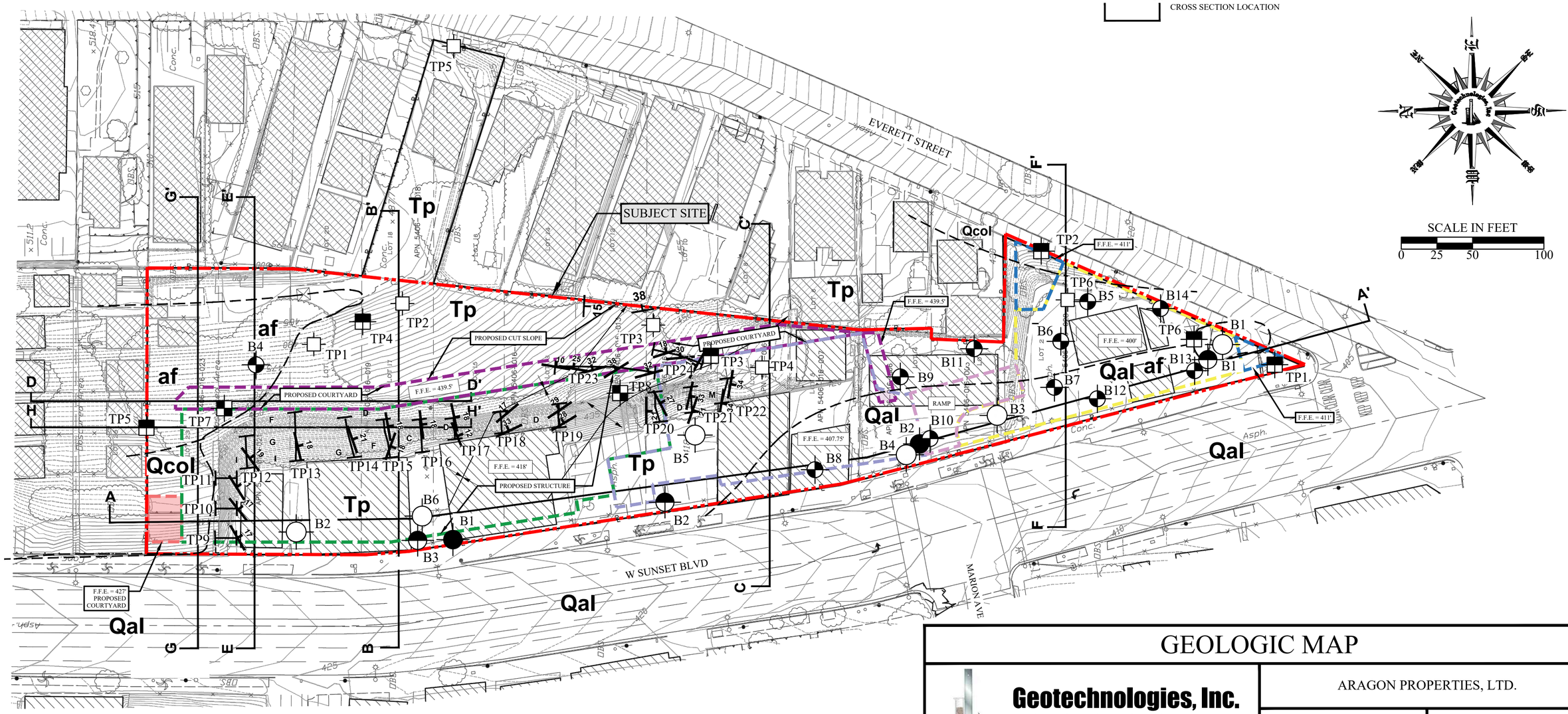
- LIMITS OF PROPOSED STRUCTURE ELEVATIONS
- DEMOLISHED STRUCTURE
- EXISTING STRUCTURE
- SUBJECT SITE
- ANTICLINE, ARROW SHOWING PLUNGE DIRECTION
- SYNCLINE, ARROW SHOWING PLUNGE DIRECTION
- H H' — CROSS SECTION LOCATION



SCALE IN FEET
0 25 50 100

REFERENCE: SITETECH INC. TOPOGRAPHIC MAPPING SURVEY NO DATE

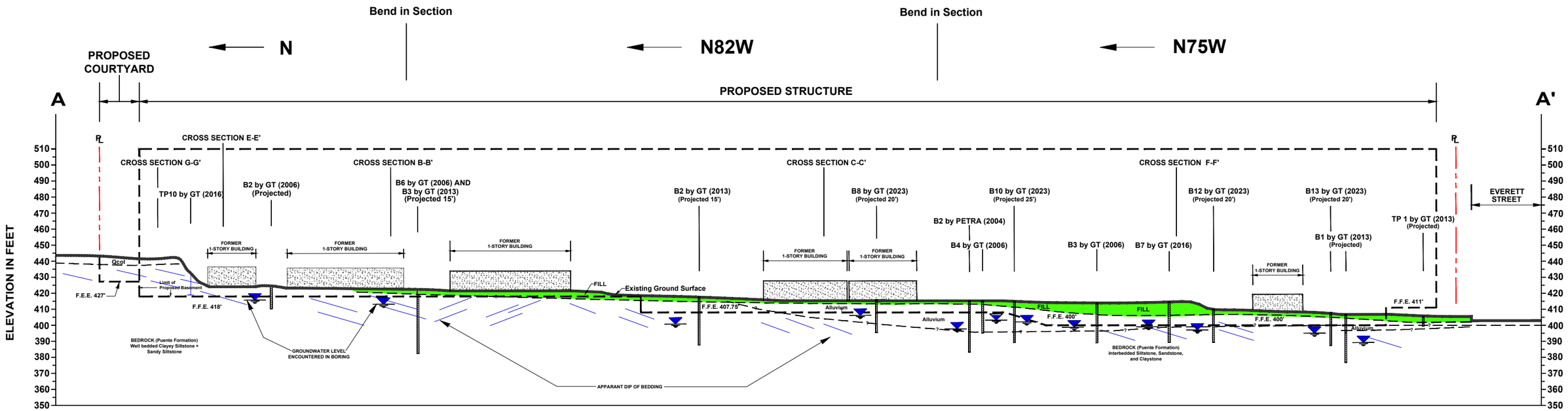
GEOLOGIC MAP

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: January 2024



REFERENCE: TOPOGRAPHIC MAP PROVIDED BY SITETECH INC.
NOT DATED

SCALE IN FEET

0 20 40 60 120

CROSS SECTION A-A'

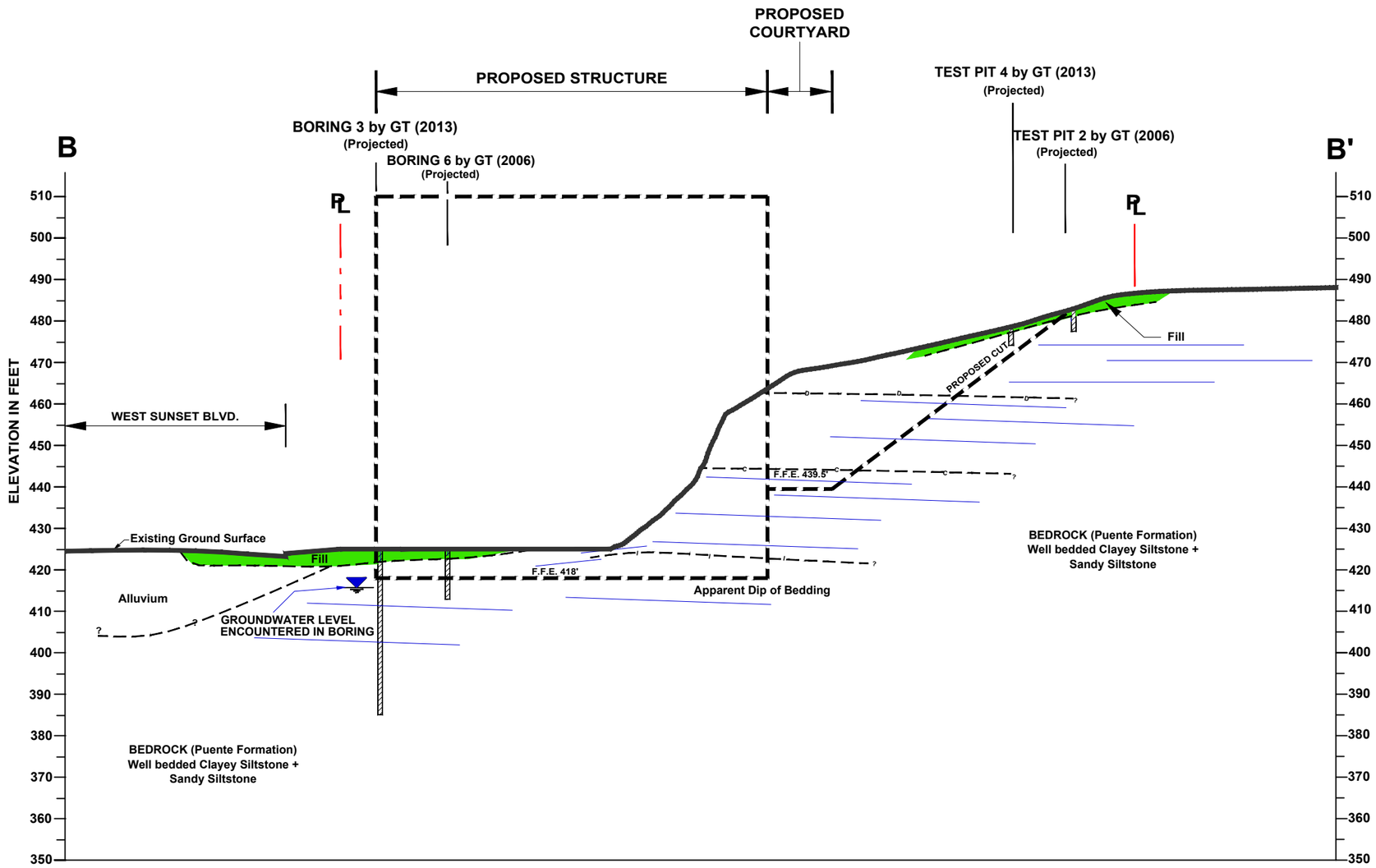
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION B-B'

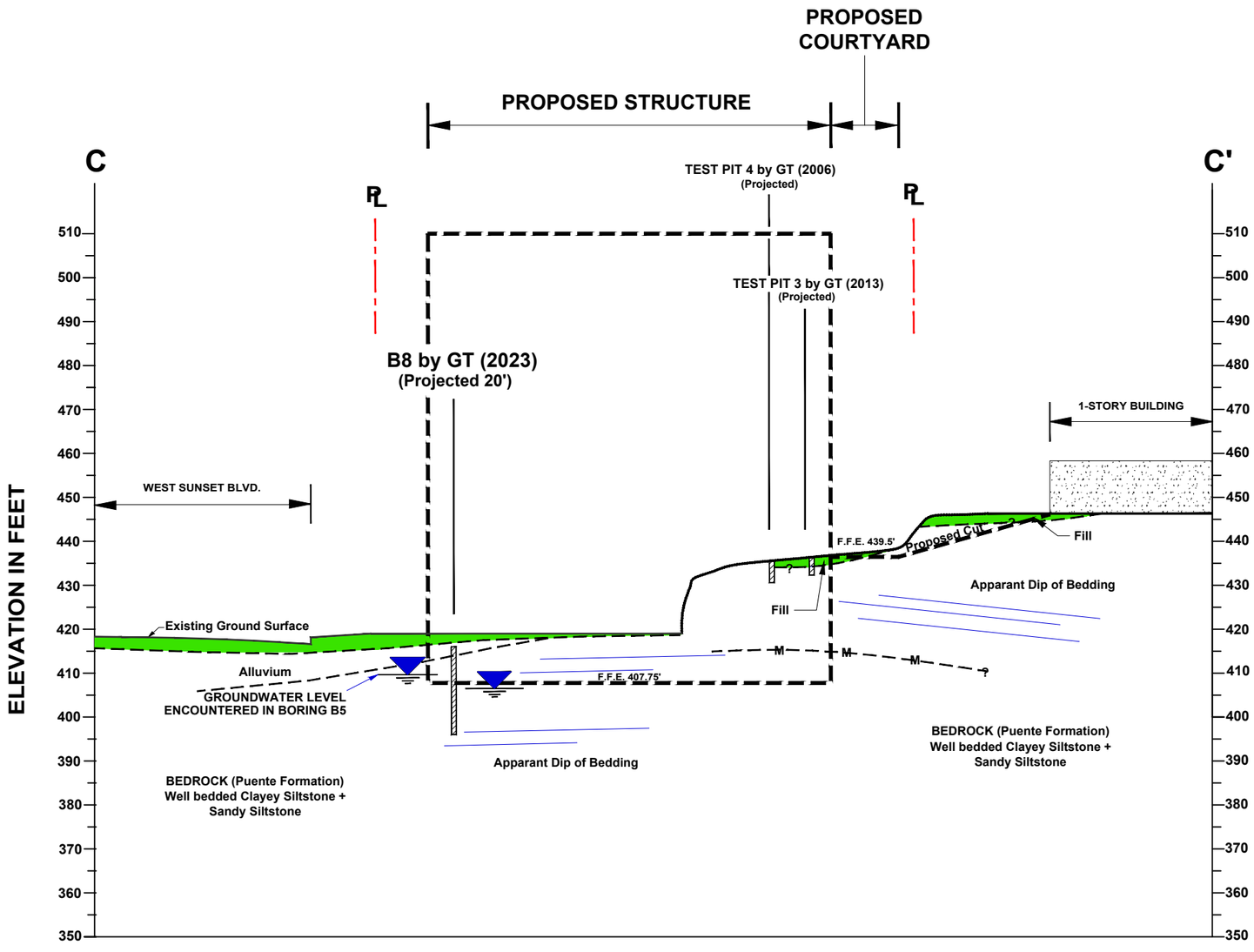
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION C-C'

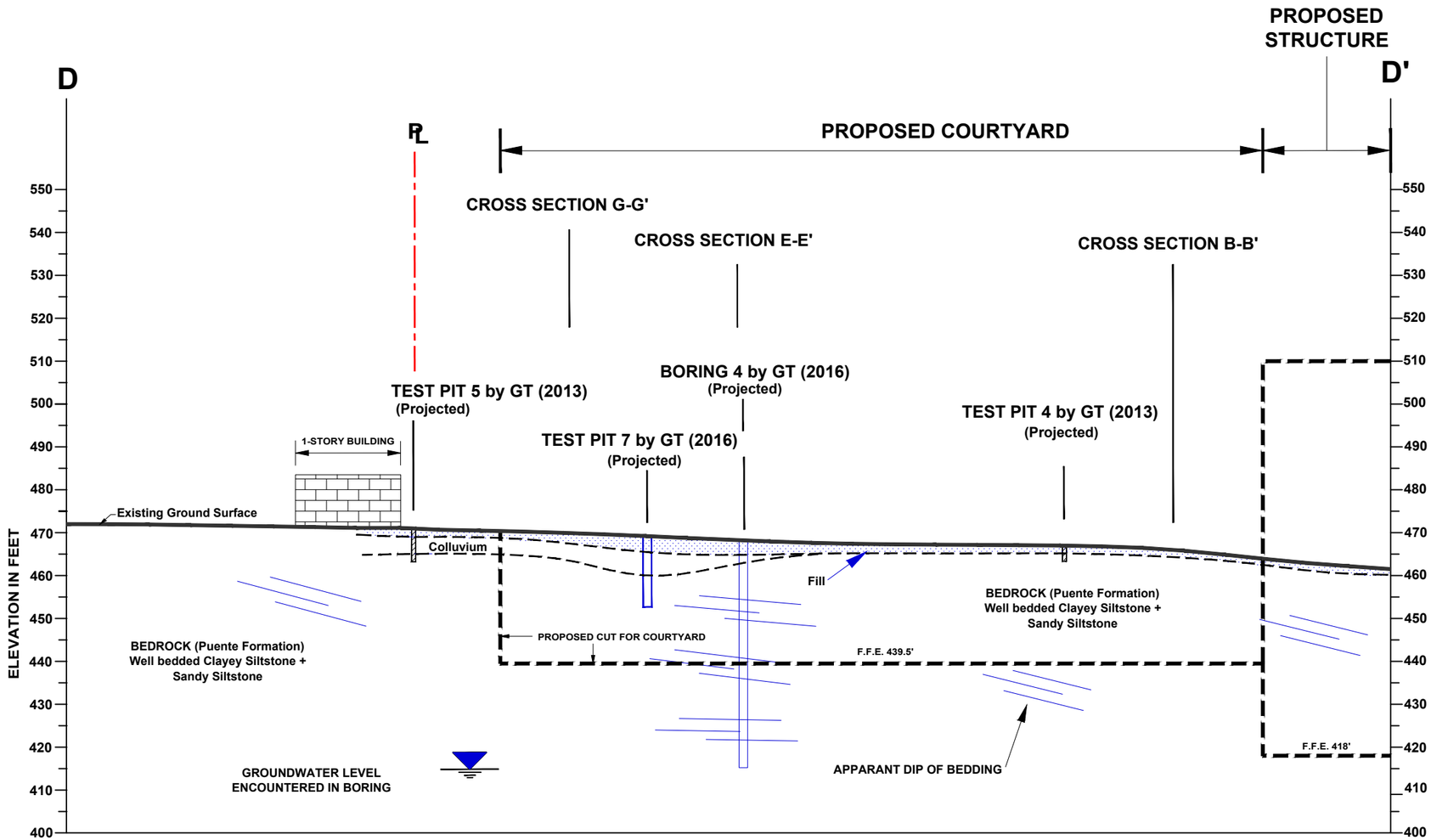
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N



SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION D-D'

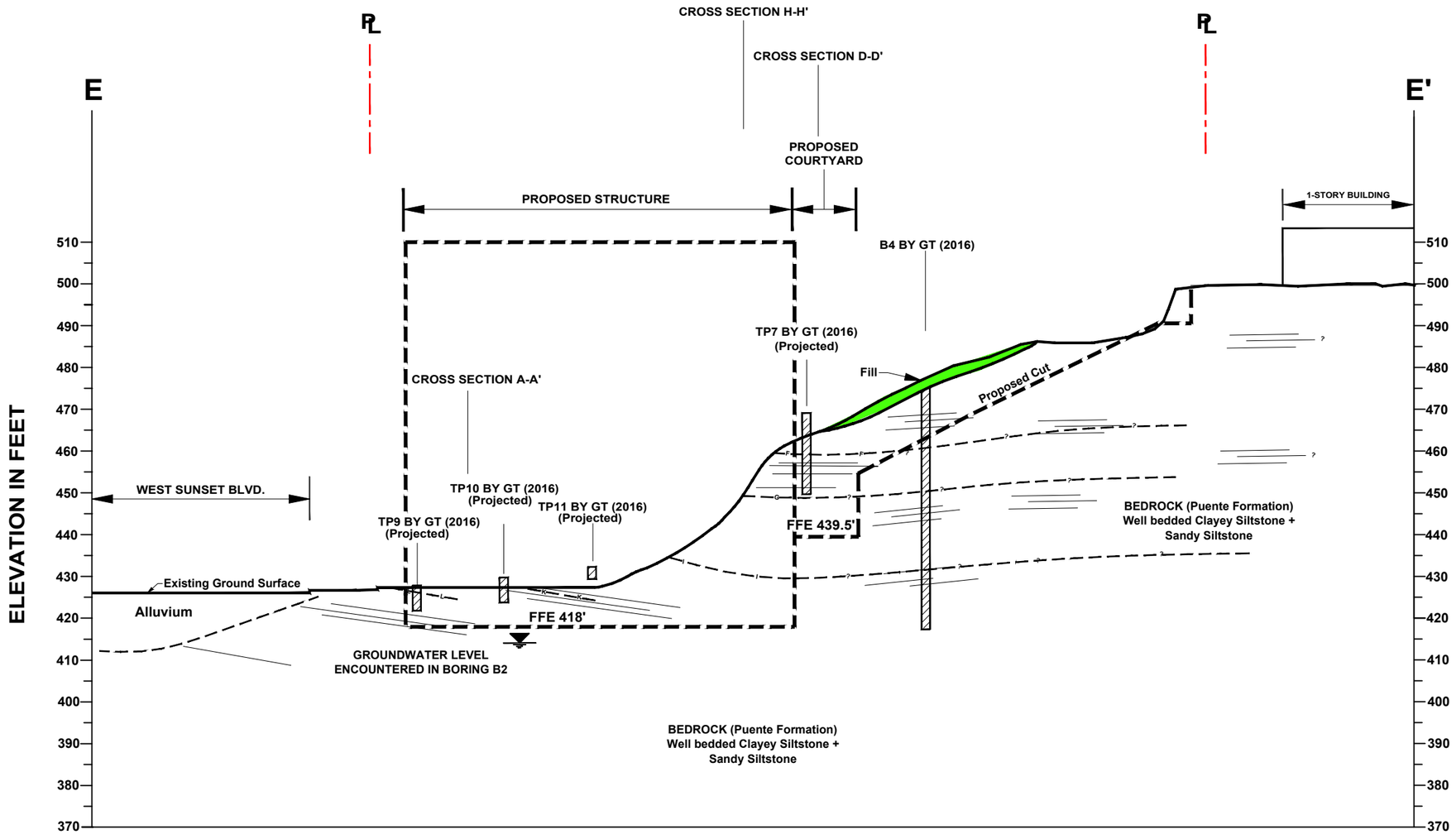
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N90W



SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC. NOT DATED

CROSS SECTION E-E'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

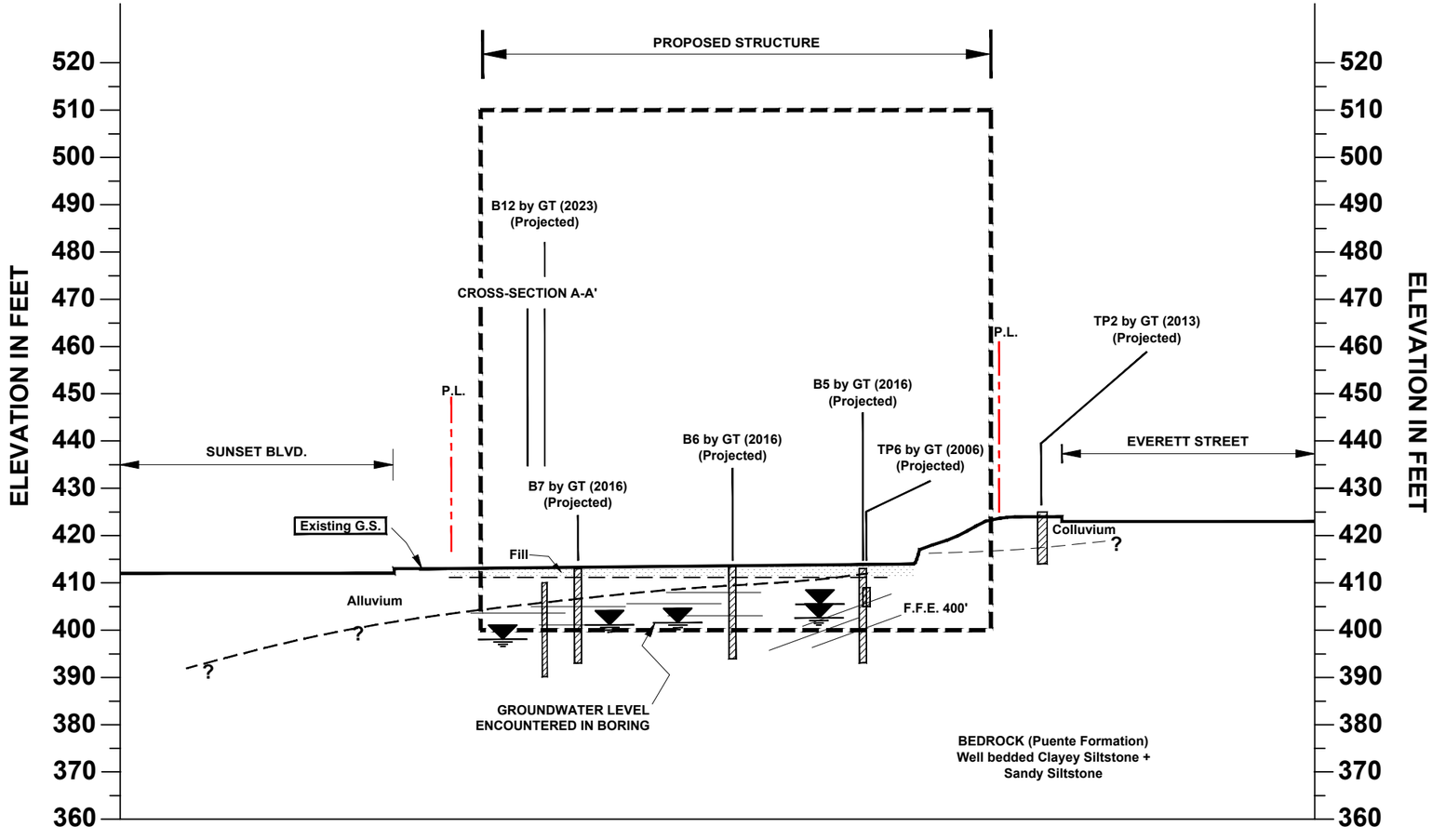
DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

E

F

F'



SCALE IN FEET

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CROSS SECTION F-F'

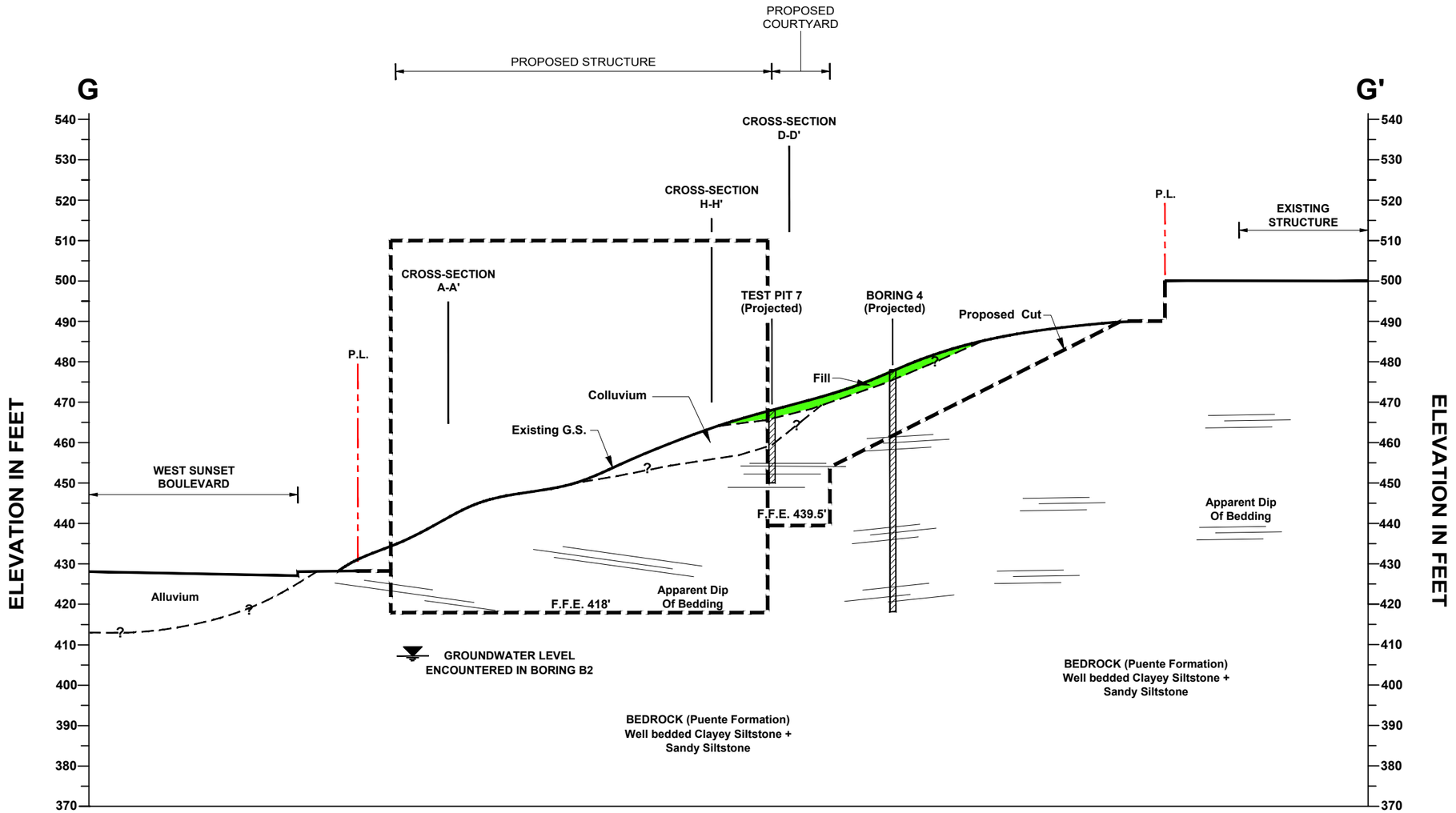
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED



SCALE IN FEET

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REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC. NOT DATED

CROSS SECTION G-G'

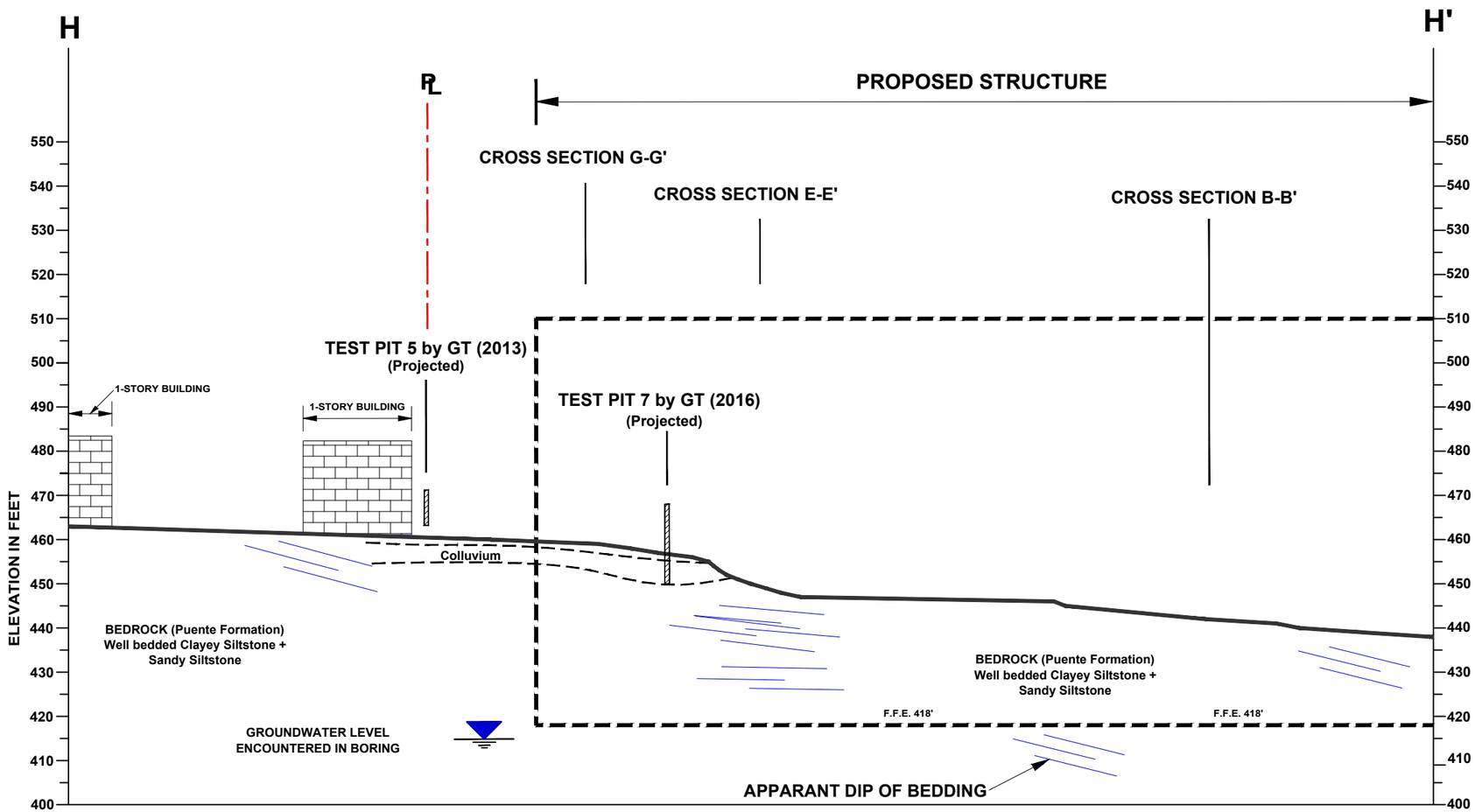
Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: JULY 2023

N



SCALE IN FEET

0 30 60

REFERENCE: TOPOGRAPHIC MAP BY SITETECH INC.
NOT DATED

CROSS SECTION H-H'

Geotechnologies, Inc.
Consulting Geotechnical Engineers

ARAGON PROPERTIES, LTD.

DRAWN BY: JD | FILE NO. 20489

DATE: OCTOBER 2023

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

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DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

JOHN WEIGHT
EXECUTIVE OFFICER

GEOLOGY AND SOILS REPORT APPROVAL LETTER

February 12, 2024

LOG # 127750-02
SOILS/GEOLOGY FILE - 2

Aragon (Sunset/Everett) Properties Corp.
1750 Glendale Boulevard, Suite 102
Los Angeles, CA 90026
Attn: Jeff Farrington

TRACT:	ANGELENO HEIGHTS (M P 10-63/66)
BLOCK:	31
LOT(S):	3 (Arb-1), 4 (Arb-1), 21 (Arb-1) & 21 (Arb-2)
LOCATION:	1185 W Sunset Blvd.

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Geology/Soils Report	20489	01/26/2024	Geotechnologies, Inc.

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Review Letter	127750-01	01/16/2024	LADBS – Grading
Geology/Soils Report	20489	12/06/2023	Geotechnologies, Inc.
Dept. Review Letter	127750	10/17/2023	LADBS – Grading
Geology/Soils Report	20489	09/06/2023	Geotechnologies, Inc.
Dept. Approval Letter	85606	09/23/2014	LADBS – Grading
Geology/Soils Report	20489	09/10/2014	Geotechnologies, Inc.
3rd Party Cover Letter	-------	08/05/2014	Hoover Tang
3rd Party Review Letter	-------	08/04/2014	Wilson Geosciences Inc./ Geo-Dynamics, Inc.
Dept. Appr. Letter	83257-01	06/24/2014	LADBS – Grading
Geology/Soils Report (Resp.)	20489	05/22/2014	Geotechnologies, Inc.
Dept. Correction Letter	83257	03/13/2014	LADBS – Grading
Geology/Soils Report	20489	03/04/2014	Geotechnologies, Inc.
Geology/Soils Report	20489	04/09/2013	Geotechnologies, Inc.

The Grading Division of the Department of Building and Safety has reviewed the referenced report dated January 26, 2024, December 6, 2023, September 6, 2023, that provides recommendations for the proposed new apartment complex, retaining walls, Mat Foundations, waterproofing, and dewatering of groundwater, as depicted on the Plot Plan, Geologic Map and Geologic Cross Sections A-A' through H - H'(of the referenced reports, dated January 26, 2024). The consultants' report that the proposed project is seven stories in height with one to two levels of subterranean

parking. Proposed retaining walls are estimated to range up to 30 feet high. Topographic relief across the site is 95 feet from highest to lowest points. Prior to development along Sunset Blvd. the westerly descending slope was up to 70 feet high and at an approximate gradient of 4(H):1(V), afterwards, the slope was 45 feet high at an approximate gradient of 1(H):1(V). Tiebacks and shoring are proposed to support temporary excavations. The highest vertical cut is anticipated to be 44 feet (including foundations) and will be on the northside of the site as shown on Cross Section H – H'. The toe of slope setback from the adjacent ascending slope at the rear of the property is 15 feet. All associated vertical cuts shall be supported with a retaining wall. The consultants' report that only nuisance water will be captured during construction, and that a formal dewatering program will not be necessary. The basement walls shall be drained conventionally, as recommended on page 3 of the December 6, 2023, referenced report.

The Grading Division of the Department of Building and Safety has reviewed the September 10, 2014 report prepared by Geotechnologies in response to 3rd party review comments presented in the August 4, 2014 letter prepared by Wilson Geosciences and Geo-Dynamics (with a cover letter dated August 5, 2014 by Hoover Tang), regarding surface fault rupture, slope stability analysis, groundwater seepage, and expansive soils.

The consultants performed numerous exploratory excavations, upwards of 30 test pits and 13 borings, from 2006, 2013, and 2016. In 2004, the previous consultant Petra excavated several test pits and hollow stem and bucket auger borings. The earth materials at the subsurface exploration locations consist of fill, from 0.5 to 18.5 feet thick, alluvium from 2 to 9 feet thick, colluvium from 3 to 6 feet thick, underlain by well bedded interbedded sandstone and siltstone Puente Formation Bedrock to a depth of 60 feet. Regional Bedrock bedding is uniform in the area of the subject site, where bedrock dips to the south and southwest ranging from 20 to 50 degrees. The regional geologic structure matches that of the subsurface exploratory excavations.

The consultants' report that groundwater was encountered in all the borings drilled along Sunset Blvd. The groundwater surface appears to descend to the south, down Sunset Blvd. In general groundwater is approximately 9 feet below the ground surface. The water is identified in the alluvium and in the joints and fractures of the bedrock. The ground water level is above the proposed basement finish floor elevation at both ends of the site. Based on the consultants review of the local Seismic Hazard Report, historic high ground water is approximately 20 feet below the ground surface. The consultants note that water seepage into the excavations will occur primarily at the alluvium-bedrock contact, along Sunset Blvd. The water will occur along a distinct zone above the contact. Some seepage may occur through fractures in the rock and along the bedding planes in deeper excavations near Sunset Blvd. .

In the consultants borings excavated in 2006, Boring B-2 (2006), seepage was encountered from 9 to 15 feet, with standing water at 14 feet. In Boring B-3 (2006), seepage was encountered from 15 to 25 feet, with standing water at 15 feet. In Boring B-4 (2006), seepage was encountered from 12 to 20 feet, with standing water at 12 feet. In Boring B-5 (2006), seepage was encountered from 9.5 to 10 feet. In Boring B-6 (2006), seepage was encountered from 11.5 to 12 feet.

In the consultants Borings excavated in 2013, Boring B-1 (2013), groundwater was encountered at 17.5 feet below the ground surface. Boring B-2(2013), groundwater was encountered at 17 feet below the ground surface. Boring B-3 (2013), groundwater was encountered at 9.5 feet below the ground surface. Boring B-4 (2013), no groundwater was encountered to the maximum depth explored of 60 feet below the ground surface.

In the consultants borings excavated in 2016, Boring B-5 (2016), seepage was encountered at 9 and 12 feet below the ground surface, with groundwater at 19 feet. In Boring B-6 (2016), seepage was encountered at 11.5 feet below the ground surface. In Boring B-7 (2016), seepage was encountered at 12 feet below the ground surface.

The subject site is not in an area zoned by the State as potentially liquefiable. This determination is based on groundwater depth records, soil type, and distance to a fault capable of producing a substantial earthquake. The proposed structure will be supported in the siltstone bedrock of the Puente Formation. The consultants note that this bedrock will not liquefy due to its moderately hard consistency and it's long tectonic history.

The consultants recommend to support the proposed structure(s) on conventional, mat, and/or drilled-pile foundations bearing on competent bedrock.

The referenced reports dated January 26, 2024, December 6, 2023, September 6, 2023, are acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2023 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. Conformance with the Zoning Code Section 12.21 C8, which limits the heights and number of retaining walls, will be determined during structural plan check.

2. Secure the notarized written consent from all owners upon whose property proposed grading/construction access is to extend, in the event off-site grading and/or access for construction purposes is required (7006.6). The consent shall be included as part of the final plans.

3. The geologist and soils engineer shall review and approve the detailed plans prior to issuance of any permits. This approval shall be by signature on the plans that clearly indicates the geologist and soils engineer have reviewed the plans prepared by the design engineer; and, that the plans include the recommendations contained in their reports (7006.1).

4. All recommendations of the report(s) that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.

5. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.

6. A grading permit shall be obtained for all structural fill and retaining wall backfill (106.1.2).

7. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.

8. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).

9. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).

10. Grading shall be scheduled for completion prior to the start of the rainy season, or detailed temporary erosion control plans shall be filed in a manner satisfactory to the Grading Division of the Department and the Department of Public Works, Bureau of Engineering, B-Permit Section, for any grading work in excess of 200 cubic yards (7007.1).

201 N. Figueroa Street 3rd Floor, LA (213) 482-7045

11. All loose foundation excavation material shall be removed prior to commencement of framing. Slopes disturbed by construction activities shall be restored (7005.3).

12. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).

13. Excavations shall not remove lateral support from a public way, adjacent property or an existing structure. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)

14. Prior to the issuance of any permit that authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation (3307.1).

15. The soils engineer shall review and approve the shoring plans prior to issuance of the permit (3307.3.2).

16. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.

17. Unsurcharged temporary excavations over 5 feet exposing fill, shall be trimmed back at a gradient not exceeding 1(H):1(V), to a maximum of 25 feet high, as recommended on page 50 of the September 6, 2023, referenced report.

18. Unsurcharged temporary excavations over 7 feet exposing alluvium (soil), shall be trimmed back at a gradient not exceeding 1(H):1(V), to a maximum of 25 feet high, as recommended on page 50 of the September 6, 2023, referenced report.

19. Unsurcharged temporary excavations over 7 feet exposing bedrock (neutral bedding), shall be trimmed back at a gradient not exceeding 1(H):1(V), to a maximum of 25 feet high, as recommended on page 50 of the September 6, 2023, referenced report.

20. The north wall excavation will expose daylighted bedding, and shall be trimmed to the angle of the bedding, to a maximum of 15 feet high, as recommended on page 50 of the September 6, 2023.

21. Cantilevered and restrained temporary shoring shall be designed for a minimum EFP as specified on pages 55 through 57 of the September 6, 2023, referenced report; all surcharge loads shall be included into the design, as recommended. Total lateral load on shoring piles shall be determined by multiplying the recommended EFP by the pile spacing.

22. Shoring shall be designed for a maximum lateral deflection of ½ inch where a structure is within a 1(H):1(V) plane projected up from the base of the excavation, and for a maximum lateral deflection of 1 inch provided there are no structures within a 1(H):1(V) plane projected up from the base of the excavation, as recommended.

23. A shoring monitoring program shall be implemented to the satisfaction of the soils engineer.

24. Proposed lagging shall be designed for the full design pressure but be limited to a maximum of 400 psf, as recommended on page 53 of the September 6, 2023, referenced report.

25. Proposed Tie-back anchors shall be utilized as recommended on pages 54 and 55 of the September 6, 2023, referenced report.

26. All foundations shall derive entire support from competent bedrock, as recommended and approved by the geologist and soils engineer by inspection.

27. Proposed shoring piles shall utilize a minimum diameter of 18 inches, as recommended on page 52 of the September 6, 2023, referenced report.

28. Proposed shoring piles shall be founded a minimum of 5 feet below the bottom of the footing excavation or 7 feet below the bottom of the excavated plane whichever is deeper, as recommended on page 53 of the September 6, 2023, referenced report.

29. Foundations adjacent to a descending slope steeper than 3:1 (horizontal to vertical) in gradient shall be a minimum distance of one-third the vertical height of the slope but need not exceed 40 feet measured horizontally from the footing bottom to the face of the slope (1808.7.2)

30. Buildings adjacent to ascending slopes steeper than 3H:1V in gradient shall be setback from the toe of the slope a level distance measured perpendicular to slope contours equal to one-half the vertical height of the slope, but need not exceed 15 feet (1808.7.1)

31. Pile caisson and/or isolated foundation ties are required by LAMC Sections 91.1809.13 and/or 91.1810.3.13. Exceptions and modification to this requirement are provided in Information Bulletin P/BC 2020-030.

32. Pile and/or caisson shafts shall be designed for a lateral load of 1000 pounds per linear foot of shaft exposed to fill, soil and weathered bedrock per P/BC 2020-050.

33. The design passive pressure shall be neglected for a portion of the pile with a horizontal setback distance less than five feet from fill, soil or weathered bedrock, or as recommended in the soils report, whichever is greater.

34. When water is present in drilled pile holes, the concrete shall be tremied from the bottom up to ensure minimum segregation of the mix and negligible turbulence of the water (1808.8.3).

35. Existing uncertified fill shall not be used for lateral support of deep foundations (1810.2.1).

36. Where fill soil is located below the subgrade elevation, the fill shall be left in place. Removal and recompaction of soils below the proposed structure will not be performed. A structural slab shall be constructed if existing fill will be left in place, as recommended on page 2 of the December 6, 2023, referenced report.

37. Mat foundations shall be utilized as recommended on page 39 of the September 6, 2023, referenced report.

38. Slabs on uncertified fill shall be designed as a structural slab (7011.3).

39. In the event a floor slab will occur below the water level, a structural slab shall be utilized as recommended on page 60 of the September 6, 2023, referenced report.

40. Slabs placed on approved compacted fill, or competent alluvium or bedrock shall be at least 4 inches thick and shall be reinforced with ½-inch diameter (#4) reinforcing bars spaced a maximum of 16 inches on center each way. Vapor barriers shall be utilized as recommended on pages 58 and 59 of the September 6, 2023, referenced report.

41. The seismic design shall be based on a Site Class C, as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.

42. Retaining walls shall be designed for a minimum equivalent fluid pressure (EFP) as specified on pages 41 through 45 of the September 6, 2023, referenced report. All surcharge loads shall be incorporated into the design.

43. Retaining walls higher than 6 feet shall be designed for lateral earth pressure due to earthquake motions as specified on pages 46 and 47 of the September 6, 2023, referenced report (1803.5.12).

44. Retaining walls at the base of ascending slopes shall be provided with a minimum freeboard of 2 feet, as recommended on page 42 of the September 6, 2023, referenced report.

45. The recommended equivalent fluid pressure (EFP) for the proposed retaining wall shall apply from the top of the freeboard to the bottom of the wall footing.

46. All retaining walls shall be provided with a standard surface backdrain system and all drainage shall be conducted in a non-erosive device to the street in an acceptable manner (7013.11).

47. With the exception of retaining walls designed for hydrostatic pressure, all retaining walls shall be provided with a subdrain system to prevent possible hydrostatic pressure behind the wall. Prior to issuance of any permit, the retaining wall subdrain system recommended in the soils report shall be incorporated into the foundation plan which shall be reviewed and approved by the soils engineer of record (1805.4).

48. Installation of the subdrain system shall be inspected and approved by the soils engineer of record and the City grading/building inspector (108.9).

49. Basement walls and floors shall be waterproofed/damp-proofed with an LA City approved "Below-grade" waterproofing/damp-proofing material with a research report number (104.2.6).

50. The use of acceptable prefabricated drainage composites (also known as geosynthetic subdrain systems), as an alternative to traditionally accepted methods of draining retained earth, shall be determined during structural plan check.

51. The structure shall be connected to the public sewer system per P/BC 2020-027.

52. All roof, pad and deck drainage shall be conducted to the street in an acceptable manner in non-erosive devices or other approved location in a manner that is acceptable to the LADBS and the Department of Public Works; water shall not be dispersed on to descending slopes without specific approval from the Grading Division and the consulting geologist and soils engineer (7013.10).

53. To control slope drainage, a diverter V-ditch shall be placed at the top of cut slopes, shall be constructed of concrete, and shall be a minimum of 2 feet wide, as recommended on page 63 of the September 6, 2023, referenced report.

54. Concrete V-ditches shall also be placed behind all retaining walls where there is an inclined slope behind the wall, as recommended on page 63 of the September 6, 2023, referenced report.

55. A paved interceptor terrace shall be located on the slope at vertical intervals not exceeding 25 feet, shall have a minimum width of 8 feet, with the down drain connected to the interceptor terrace at 150 foot spacings, as recommended on page 63 of the September 6, 2023, referenced report.

56. An on-site storm water infiltration system at the subject site shall not be implemented, as recommended on page 63 of the September 6, 2023, referenced report.

57. For design purposes for a proposed sump pump, a flow of 10 gallons per minute shall be utilized as recommended by the consultants' on page 45 of the September 6, 2023, referenced report.

58. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).

59. Sprinkler plans for irrigation shall be submitted and approved by the Mechanical Plan Check Section (7012.3.1).

60. Any recommendations prepared by the geologist and/or the soils engineer for correction of geological hazards found during grading shall be submitted to the Grading Division of the Department for approval prior to use in the field (7008.2, 7008.3).

61. The geologist and soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008, 1705.6 & 1705.8).

62. All friction pile or caisson drilling and excavations shall be performed under the inspection and approval of the geologist and soils engineer. The geologist shall indicate the distance that friction piles or caissons penetrate into competent bedrock in a written field memorandum. (1803.5.5, 1705.1.2)

63. Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)

64. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; shoring; ABC slot cuts; underpinning; pile installation; protection fences; and, dust and traffic control will be scheduled (108.9.1).

65. Installation of shoring, slot cutting and/or pile excavations shall be performed under the inspection and approval of the soils engineer and deputy grading inspector (1705.6, 1705.8).

66. The installation and testing of tie-back anchors shall comply with the recommendations included in the report or the standard sheets titled "Requirement for Tie-back Earth Anchors", whichever is more restrictive. [Research Report #23835]

67. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).

68. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

JEFFREY T. WILSON
Engineering Geologist I

YING LIU
Geotechnical Engineer II

JTW/YL:jtw/yl
Log No. 127750-02
213-482-0480

cc: Geotechnologies, Inc., Project Consultant
LA District Office

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
Grading Division

District VN | Log No. 127750-2

APPLICATION FOR REVIEW OF TECHNICAL REPORTS

INSTRUCTIONS

A. Address all communications to the Grading Division, LADBS, 201 N. Figueroa St., 3rd Fl., Los Angeles, CA 90012 Telephone No. (213)482-0480.
B. Submit two copies (three for subdivisions) of reports, one "pdf" copy of the report on a CD-Rom or flash drive, and one copy of application with items "1" through "10" completed.
C. Check should be made to the City of Los Angeles.

1. LEGAL DESCRIPTION
Tract: ANGELENO HEIGHTS
Block: 31 Lots: 1

3. OWNER: Aragon (Sunset/Everett) Properties Corp.
Address: 1750 Glendale Boulevard, Suite 102
City: Los Angeles Zip: 90026
Phone (Daytime):

2. PROJECT ADDRESS: 1185 West Sunset Boulevard, Los Angeles

4. APPLICANT Geotechnologies, Inc.
Address: 439 Western Avenue
City: Glendale Zip: 91201
Phone (Daytime): (818) 240-9600
E-mail address: Pymt:accounting@geoteq.com;Eng:rknur@geoteq.com

5. Report(s) Prepared by: Geotechnologies, Inc. (File No. 20489)
6. Report Date(s): January 26, 2024

7. Status of project: ☑ Proposed ☐ Under Construction ☐ Storm Damage
8. Previous site reports? ☑ YES if yes, give date(s) of report(s) and name of company who prepared report(s)
Resp Ltr;Upd GEI 12/06/23; 09/06/23 Geotechnologies, Inc.
9. Previous Department actions? ☑ YES if yes, provide dates and attach a copy to expedite processing.
Dates: 12/16/23;10/17/23 Log#127750-01; Log#127750
10. Applicant Signature: Reinard Knur Position: Geotechnical Engineer/Partner

(DEPARTMENT USE ONLY)

REVIEW REQUESTED	FEES	REVIEW REQUESTED	FEES
☐ Soils Engineering		No. of Lots	
☐ Geology		No. of Acres	
☒ Combined Soils Engr. & Geol.		☐ Division of Land	
☐ Supplemental		Other	
☐ Combined Supplemental		☒ Expedite	181.50
☐ Import-Export Route		☒ Response to Correction	363.00
Cubic Yards:		☐ Expedite ONLY	
		Sub-total	544.50
		One-Stop Surcharge	129.80
		TOTAL FEE	674.30

Fee Due: 674.30
Fee Verified By: AM Date: 1/29/24
(Cashier Use Only)

Receipt # 17634463

Paid on 1/29/24

ACTION BY:

THE REPORT IS: ☐ NOT APPROVED
☐ APPROVED WITH CONDITIONS ☐ BELOW ☐ ATTACHED

For Geology Date

For Soils Date

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

October 22, 2023

CAJA Environmental Services
Attn: Sherrie Cruz

re: Paleontological resources for the Sunset and Everett Project

Dear Sherrie:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the Sunset and Everett Project area as outlined on the portion of the Los Angeles USGS topographic quadrangle map that you sent to me via e-mail on October 12, 2023. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County (NHMLA).

Locality Number	Location	Formation	Taxa	Depth
LACM VP 5961	Just north of the intersection of 1st & Hill Streets, downtown LA	Puente Formation	Bristlemouth (*Cyclothone*)	Unknown (collected during Metrorail excavations)
LACM VP 6198 - 6203	Beneath Wilshire Blvd. from MacArthur Park to the Wilshire/Vermont subway station	Puente Formation (laminated siltstone)	Fish - Eel (Anguilliformes), needlefish (Belonidae), and others; Invertebrates - Echinoid (Araeosoma) and others	60 feet bgs
LACM VP 6204	Metro Rail Red Line Wilshire Blvd. / Western Ave. subway station	Older Alluvium (pebble-gravel; sand; silt & clay)	Mammoth (*Mammuthus*)	65 ft bgs
LACM VP 3868	Near 6th & Bixel Sts	Fernando Formtion (upper member)	Great White shark (*Carcharodon sulcidens*)	Unknown (350 - 375 ft above sea level)
LACM VP 7990	Hall of Justice building	Puente Formation, Yorba Member	Teleostei (viperfish [*Chauliodus*], cod [Gadiformes],	Unknown depth (fossil

Locality Number	Location	Formation	Taxa	Depth
		(claystone; siltstone & sandstone layers)	herring/shad/sardines [Clupeidae], mackerel/tuna/bonito [Scombridae], slickheads [Alepocephalidae], smelts [Bathylagidae], herring smelt [Argentinidae], scaly dragonfish [Stomiatidae], bristlemouths [Gonostomidae])	layers at 257-321 ft above mean sea level)
17 Localities	The area bounded by 7th St., Spring St., 3rd St., and Flower St.	Fernando Formation	Invertebrates, including *Crepidula princeps* and *C. grandis; Haliotis*; Mitraidae; and others	Localities with recorded depths range from 30 – 80 ft bgs

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the NHMLA. It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

GREENHOUSE GAS TECHNICAL REPORT

Introduction

This technical report examines the direct and indirect impacts of the Proposed Sunset & Everett Project on the east side of Sunset Boulevard north of Everett Street in the City of Los Angeles on greenhouse gas (GHG) emissions and global climate change. This analysis discloses GHG emissions generation and by addressing the Project's consistency with applicable GHG emission reduction plans, policies, and regulations. Calculation worksheets and documentation are included in the Technical Appendix to this analysis.

Environmental Setting

Global climate change refers to changes in average climatic conditions on Earth as a whole, including changes in temperature, wind patterns, precipitation, and storms. Global warming, a related concept, is the observed increase in average temperature of Earth's surface and atmosphere. One identified cause of global warming is an increase of GHG emissions in the atmosphere. GHG emissions are those compounds in Earth's atmosphere that play a critical role in determining Earth's surface temperature.

Earth's natural warming process is known as the "greenhouse effect." It is called the greenhouse effect because Earth and the atmosphere surrounding it are like a greenhouse with glass panes in that the glass allows solar radiation (sunlight) into Earth's atmosphere but prevents radiative heat from escaping, thus warming Earth's atmosphere. Some levels of GHG emissions keep the average surface temperature of Earth close to a hospitable 60 degrees Fahrenheit. However, it is believed that excessive concentrations of anthropogenic GHG emissions in the atmosphere can result in increased global mean temperatures, with associated adverse climatic and ecological consequences.[1]

Scientists studying the particularly rapid rise in global temperatures have determined that human activity has resulted in increased emissions of GHG emissions, primarily from the burning of fossil fuels (from motor vehicle travel, electricity generation, consumption of natural gas, industrial activity, manufacturing), deforestation, agricultural activity, and the decomposition of solid waste. Scientists refer to the global warming context of the past century as the "enhanced greenhouse effect" to distinguish it from the natural greenhouse effect.[2]

Global GHG emissions due to human activities have grown since pre-industrial times. As reported by the United States Environmental Protection Agency (USEPA), global carbon emissions from fossil fuels increased by over 16 times between 1900 and 2008 and by about 1.5 times between 1990 and

1 Intergovernmental Panel on Climate Change, 2014: Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)].

2 Center for Climate and Energy Solutions, Climate Change 101: Understanding and Responding to Global Climate Change.

2008. In addition, in the Global Carbon Budget 2014 report, published in September 2014, atmospheric carbon dioxide (CO_2) concentrations in 2013 were found to be 43 percent above the concentration at the start of the Industrial Revolution, and the present concentration is the highest during at least the last 800,000 years.[3] Global increases in CO_2 concentrations are due primarily to fossil fuel use, with land use change providing another significant but smaller contribution. Regarding emissions of non-CO_2 GHG, these have also increased significantly since 1990. In particular, studies have concluded that it is very likely that the observed increase in methane (CH_4) concentration is predominantly due to agriculture and fossil fuel use.[4]

In August 2007, international climate talks held under the auspices of the United Nations Framework Convention on Climate Change (UNFCCC) led to the official recognition by the participating nations that global emissions of GHG must be reduced. According to the "Ad Hoc Working Group on Further Commitments of Annex I Parties under the Kyoto Protocol," avoiding the most catastrophic events forecast by the United Nations Intergovernmental Panel on Climate Change (IPCC) would entail emissions reductions by industrialized countries in the range of 25 to 40 percent below 1990 levels. Because of the Kyoto Protocol's Clean Development Mechanism, which gives industrialized countries credit for financing emission-reducing projects in developing countries, such an emissions goal in industrialized countries could ultimately spur efforts to cut emissions in developing countries as well.[5]

With regard to the adverse effects of global warming, as reported by the Southern California Association of Governments (SCAG), "Global warming poses a serious threat to the economic well-being, public health, and natural environment in southern California and beyond. The potential adverse impacts of global warming include, among others, a reduction in the quantity and quality of water supply, a rise in sea level, damage to marine and other ecosystems, and an increase in the incidences of infectious diseases. Over the past few decades, energy intensity of the national and state economy has been declining due to the shift to a more service-oriented economy. California ranked fifth lowest among the states in CO_2 emissions from fossil fuel consumption per unit of Gross State Product. However, in terms of total CO_2 emissions, California is second only to Texas in the nation and is the 12th largest source of climate change emissions in the world, exceeding most nations. The SCAG region, with close to half of the state's population and economic activities, is also a major contributor to the global warming problem."

GHG Emissions Background. GHG emissions include CO_2, CH_4, nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3).[6] Carbon dioxide is the most abundant GHG. Other GHG emissions are less abundant but have higher global warming potential than CO_2. Thus, emissions of other GHG emissions are frequently expressed in the equivalent mass of CO_2, denoted as CO_2e. Forest fires, decomposition, industrial processes, landfills, and consumption of fossil fuels for power generation,

3 C. Le Quéré, et al., Global Carbon Budget 2014, (Earth System Science Data, 2015, doi:10.5194/essd–7–47–2015).

4 USEPA, Atmospheric Concentrations of Greenhouse Gas, updated June 2015.

5 United Nations Framework Convention on Climate Change, Press Release—Vienna UN Conference Shows Consensus on Key Building Blocks for Effective International Response to Climate Change, August 31, 2007

6 As defined by California Assembly Bill (AB) 32 and Senate Bill (SB) 104.

transportation, heating, and cooking are the primary sources of GHG emissions. A general description of the GHG emissions is provided in Table 1.

Global Warming Potential (GWP) is one type of simplified index based upon radiative properties used to estimate the potential future impacts of emissions of different gases upon the climate system. The GWP is based on several factors, including the radiative efficiency (heat-absorbing ability) of each gas relative to that of CO_2, as well as the decay rate of each gas (the amount removed from the atmosphere over a given number of years) relative to that of CO_2. The higher the GWP, the more that a given gas warms the Earth compared to CO_2 over that period. A summary of the atmospheric lifetime and GWP of selected gases is presented in Table 2.[7] As indicated on the table, the GWP ranges from 1 to 22,800.

Projected Impacts of Global Warming in California. The scientific community's understanding of the fundamental processes responsible for global climate change has improved over the past decade, and its predictive capabilities are advancing. However, there remain significant scientific uncertainties in, for example, predictions of local effects of climate change, occurrence, frequency, and magnitude of extreme weather events, effects of aerosols, changes in clouds, shifts in the intensity and distribution of precipitation, and changes in oceanic circulation. Due to the complexity of the Earth's climate system and inability to accurately model it, the uncertainty surrounding climate change may never be eliminated. Nonetheless, the IPCC's Fifth Assessment Report, Summary for Policy Makers states that, "it is extremely likely that more than half of the observed increase in global average surface temperature from 1951 to 2010 was caused by the anthropogenic increase in greenhouse gas concentrations and other anthropogenic forces together."[8] A report from the National Academy of Sciences concluded that 97 to 98 percent of the climate researchers most actively publishing in the field support the tenets of the IPCC in that climate change is very likely caused by human (i.e., anthropogenic) activity.[9]

According to the California Air Resources Board (CARB), the potential impacts in California due to global climate change may include: loss in snow pack; sea level rise; more extreme heat days per year; more high ozone days; more large forest fires; more drought years; increased erosion of California's coastlines and sea water intrusion into the Sacramento and San Joaquin Deltas and associated levee systems; and increased pest infestation. Below is a summary of some of the potential effects that could be experienced in California because of global warming and climate change.

Air Quality. Higher temperatures, conducive to air pollution formation, could worsen air quality in California. Climate change may increase the concentration of ground-level ozone, but the magnitude of the effect and, therefore, its indirect effects, are uncertain. If higher temperatures are accompanied

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7 Atmospheric lifetime is defined as the time required to turn over the global Atmospheric burden. Source: Intergovernmental Panel on Climate Change, IPCC Third Assessment Report: Climate Change 2001 (TAR), Chapter 4: Atmospheric Chemistry and Greenhouse Gases, 2001, p. 247.

8 Intergovernmental Panel on Climate Change, Fifth Assessment Report, Summary for Policy Makers, page 5, 2013, http://ipcc.ch/report/ar5/syr/. Accessed April 2020.

9 Anderegg, William R. L., J.W. Prall, J. Harold, S.H., Schneider, Expert Credibility in Climate Change, Proceedings of the National Academy of Sciences of the United States of America. 2010;107:12107-12109.

by drier conditions, the potential for large wildfires could increase, which, in turn, would exacerbate air quality. Additionally, severe heat accompanied by drier conditions and poor air quality could increase the number of heat-related deaths, illnesses, and asthma attacks throughout the state.[10] However, if higher temperatures are accompanied by wetter, rather than drier conditions, the rains would temporarily clear the air of particulate pollution and reduce the incidence of large wildfires, thus ameliorating the pollution associated with wildfires.

In 2009, the California Natural Resources Agency (CNRA) published the *California Climate Adaptation Strategy* as a response to the Governor's Executive Order S-13-2008.[11] The CNRA report lists specific recommendations for state and local agencies to best adapt to the anticipated risks posed by a changing climate. In accordance with the *California Climate Adaptation Strategy*, the California Energy Commission (CEC) was directed to develop a website on climate change scenarios and impacts that would be beneficial for local decision makers.[12] The website, known as Cal-Adapt, became operational in 2011[13] and provides a projection of potential future climate scenarios. The data are comprised of the average values (i.e., temperature, sea-level rise, snowpack) from a variety of scenarios and models and are meant to illustrate how the climate may change based on a variety of different potential social and economic factors.

Water Supply. Uncertainty remains with respect to the overall impact of global climate change on future water supplies in California. Studies have found that, "[c]onsiderable uncertainty about precise impacts of climate change on California hydrology and water resources will remain until we have more precise and consistent information about how precipitation patterns, timing, and intensity will change."[14] For example, some studies identify little change in total annual precipitation in projections for California while others show significantly more precipitation.[15] Warmer, wetter winters would increase the amount of runoff available for groundwater recharge; however, this additional runoff would occur at a time when some basins are either being recharged at their maximum capacity or are already full. Conversely, reductions in spring runoff and higher evapotranspiration because of higher temperatures could reduce the amount of water available for recharge.[16]

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10 California Environmental Protection Agency, Preparing California for Extreme Heat: Guidance and Recommendations, October 2013, https://www.cdph.ca.gov/Programs/OHE/CDPH%20Document%20Library/CCHEP-General/CDPH-EPA-2013-Preparing-CA-for-Extreme-Heat_ADA.pdf. Accessed April 2020

11 California Natural Resources Agency, Climate Action Team, 2009 California Climate Adaptation Strategy: A Report to the Governor of the State of California in Response to Executive Order S-13-2008, 2009.

12 California Natural Resources Agency, Climate Action Team, 2009 California Climate Adaptation Strategy: A Report to the Governor of the State of California in Response to Executive Order S-13-2008, 2009.

13 The Cal-Adapt website address is: http://cal-adapt.org.

14 Pacific Institute for Studies in Development, Environment and Security, Climate Change and California Water Resources: A Survey and Summary of the Literature, July 2003, page 5, http://www.pacinst.org/reports/climate_change_and_california_water_resources.pdf. Accessed April 2020.

15 Pacific Institute for Studies in Development, Environment and Security, Climate Change and California Water Resources: A Survey and Summary of the Literature, July 2003, http://www.pacinst.org/reports/climate_change_and_california_water_resources.pdf. Accessed April 2020.

16 California Natural Resources Agency, Safeguarding California: Reducing Climate Risk, an Update to the 2009 California Climate Adaptation Strategy, 2014.

The California Department of Water Resources report on climate change and effects on the State Water Project (SWP), the Central Valley Project, and the Sacramento-San Joaquin Delta, concludes that "climate change will likely have a significant effect on California's future water resources…[and] future water demand." It also reports that "much uncertainty about future water demand [remains], especially [for] those aspects of future demand that will be directly affected by climate change and warming. While climate change is expected to continue through at least the end of this century, the magnitude and, in some cases, the nature of future changes is uncertain."[17] It also reports that the relationship between climate change and its potential effect on water demand is not well understood, but "[i]t is unlikely that this level of uncertainty will diminish significantly in the foreseeable future." Still, changes in water supply are expected to occur, and many regional studies have shown that large changes in the reliability of water yields from reservoirs could result from only small changes in inflows.[18] In its *Fifth Assessment Report*, the IPCC states "Changes in the global water cycle in response to the warming over the 21st century will not be uniform. The contrast in precipitation between wet and dry regions and between wet and dry seasons will increase, although there may be regional exceptions."[19]

Hydrology and Sea Level Rise. As discussed above, climate change could potentially affect: the amount of snowfall, rainfall, and snow pack; the intensity and frequency of storms; flood hydrographs (flash floods, rain or snow events, coincidental high tide, and high runoff events); sea level rise and coastal flooding; coastal erosion; and the potential for salt water intrusion. Sea level rise can be a product of global warming through two main processes: expansion of seawater as the oceans warm, and melting of ice over land. A rise in sea levels could result in coastal flooding and erosion and could jeopardize California's water supply. Increased storm intensity and frequency could affect the ability of flood-control facilities, including levees, to handle storm events.

Agriculture. California has a $30 billion agricultural industry that produces half the country's fruits and vegetables. Higher CO_2 levels can stimulate plant production and increase plant water-use efficiency. However, if temperatures rise and drier conditions prevail, water demand could increase; crop-yield could be threatened by a less reliable water supply; and greater ozone pollution could render plants more susceptible to pest and disease outbreaks. In addition, temperature increases could change the time of year certain crops, such as wine grapes, bloom or ripen, and thus affect their quality.[20]

Ecosystems and Wildlife. Increases in global temperatures and the potential resulting changes in weather patterns could have ecological effects on a global and local scale. Increasing concentrations of GHGs are likely to accelerate the rate of climate change. Scientists expect that

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17 California Department of Water Resources Climate Change Report, Progress on Incorporating Climate Change into Planning and Management of California's Water Resources, July 2006, page 2-54, https://water.ca.gov/LegacyFiles/climatechange/docs/CCprogress_nov06.pdf. Accessed April 2020

18 California Department of Water Resources Climate Change Report, Progress on Incorporating Climate Change into Planning and Management of California's Water Resources, July 2006, page 2-75, https://water.ca.gov/LegacyFiles/climatechange/docs/CCprogress_nov06.pdf. Accessed April 2020

19 Intergovernmental Panel on Climate Change, Fifth Assessment Report, Summary for Policy Makers, 2013, page 20.

20 California Climate Change Center, Our Changing Climate: Assessing the Risks to California, 2006, https://www.ucsusa.org/resources/our-changing-climate-assessing-risks-california. Accessed April 2020.

the average global surface temperature could rise by 2-11.5°F (1.1-6.4°C) by 2100, with significant regional variation.[21] Soil moisture is likely to decline in many regions, and intense rainstorms are likely to become more frequent. Sea level could rise as much as 2 feet along most of the United States coastline. Rising temperatures could have four major impacts on plants and animals: (1) timing of ecological events; (2) geographic range; (3) species' composition within communities; and (4) ecosystem processes such as carbon cycling and storage.[22]

Table 1
Description of Identified GHG Emissions[a]

Greenhouse Gas	General Description
Carbon Dioxide (CO_2)	An odorless, colorless GHG, which has both natural and anthropocentric sources. Natural sources include the following: decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic (human caused) sources of CO_2 are burning coal, oil, natural gas, and wood.
Methane (CH_4)	A flammable gas and is the main component of natural gas. When one molecule of CH_4 is burned in the presence of oxygen, one molecule of CO_2 and two molecules of water are released. A natural source of CH_4 is the anaerobic decay of organic matter. Geological deposits, known as natural gas fields, also contain CH_4, which is extracted for fuel. Other sources are from landfills, fermentation of manure, and cattle.
Nitrous Oxide (N_2O)	A colorless GHG. High concentrations can cause dizziness, euphoria, and sometimes slight hallucinations. N_2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used in rocket engines, racecars, and as an aerosol spray propellant.
Hydrofluorocarbons (HFCs)	Chlorofluorocarbons (CFCs) are gases formed synthetically by replacing all hydrogen atoms in CH_4 or ethane (C_2H_6) with chlorine and/or fluorine atoms. CFCs are non-toxic, non-flammable, insoluble, and chemically unreactive in the troposphere (the level of air at Earth's surface). CFCs were first synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. Because they destroy stratospheric ozone, the production of CFCs was stopped as required by the Montreal Protocol in 1987. HFCs are synthetic man-made chemicals that are used as a substitute for CFCs as refrigerants. HFCs deplete stratospheric ozone, but to a much lesser extent than CFCs.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface destroy the compounds. PFCs have

[21] National Research Council, Advancing the Science of Climate Change, 2010, http://dels.nas.edu/resources/static-assets/materials-based-on-reports/reports-in-brief/Science-Report-Brief-final.pdf. Accessed April 2020.

[22] Parmesan, C., and H. Galbraith, Observed Impacts of Global Climate Change in the U.S., Prepared for the Pew Center on Global Climate Change, November 2004, https://www.c2es.org/site/assets/uploads/2004/11/observed-impacts-climate-change-united-states.pdf. Accessed April 2020.

Table 1
Description of Identified GHG Emissions[a]

Greenhouse Gas	General Description
	very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane and hexafluoroethane. The two main sources of PFCs are primary aluminum production and semi-conductor manufacturing.
Sulfur Hexafluoride (SF_6)	An inorganic, odorless, colorless, non-toxic, and non-flammable gas. SF_6 is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semi-conductor manufacturing, and as a tracer gas for leak detection.
Nitrogen Trifluoride (NF_3)	An inorganic, non-toxic, odorless, non-flammable gas. NF_3 is used in the manufacture of semi-conductors, as an oxidizer of high-energy fuels, for the preparation of tetrafluorohydrazine, as an etchant gas in the electronic industry, and as a fluorine source in high power chemical lasers.
GHG emissions identified in this table are ones identified in the Kyoto Protocol and other synthetic gases recently added to the IPCC's Fifth Assessment Report. *Source: Association of Environmental Professionals, Alternative Approaches to Analyze Greenhouse Gas Emissions and Global Climate Change in CEQA Documents, Final, June 29, 2007; Environmental Protection Agency, Acute Exposure Guideline Levels (AEGLs) for Nitrogen Trifluoride; January 2009.*	

Table 2
Atmospheric Lifetimes and Global Warming Potential

Gas	Atmospheric Lifetime (years)	Global Warming Potential (100-year time horizon)
Carbon Dioxide (CO_2)	50–200	1
Methane (CH_4)	12 (+/-3)	25
Nitrous Oxide (N_2O)	114	298
HFC-23: Fluoroform (CHF_3)	270	14,800
HFC-134a: 1,1,1,2-Tetrafluoroethane (CH_2FCF_3)	14	1,430
HFC-152a: 1,1-Difluoroethane ($C_2H_4F_2$)	1.4	124
PFC-14: Tetrafluoromethane (CF_4)	50,000	7,390
PFC-116: Hexafluoroethane (C_2F_6)	10,000	12,200
Sulfur Hexafluoride (SF_6)	3,200	22,800
Nitrogen Trifluoride (NF_3)	740	17,200
Source: IPCC, Climate Change 2007: Working Group I: The Physical Science Basis, Direct Global Warming Potentials		

Regulatory Framework: Federal

In response to growing scientific and political concern with global climate change, federal and state entities have adopted a series of laws to reduce emissions of GHG emissions to the atmosphere.

Federal Clean Air Act. The U.S. Supreme Court ruled in *Massachusetts v. Environmental Protection Agency*, 127 S.Ct. 1438 (2007), that CO_2 and other GHG emissions are pollutants under the federal Clean Air Act (CAA), which the USEPA must regulate if it determines they pose an endangerment to public health or welfare. The U.S. Supreme Court did not mandate that the USEPA enact regulations

to reduce GHG emissions. Instead, the Court found that the USEPA could avoid acting if it found that GHG emissions do not contribute to climate change or if it offered a "reasonable explanation" for not determining that GHG emissions contribute to climate change.

On April 17, 2009, the USEPA issued a proposed finding that GHG emissions contribute to air pollution that may endanger public health or welfare. On April 24, 2009, the proposed rule was published in the Federal Register under Docket ID No. EPA-HQ-OAR-2009-0171. The USEPA stated that high atmospheric levels of GHG emissions "are the unambiguous result of human emissions and are very likely the cause of the observed increase in average temperatures and other climatic changes." The USEPA further found that "atmospheric concentrations of greenhouse gases endanger public health and welfare within the meaning of Section 202 of the Clean Air Act." The findings were signed by the USEPA Administrator on December 7, 2009. The final findings were published in the Federal Register on December 15, 2009. The final rule was effective on January 14, 2010.[23] While these findings alone do not impose any requirements on industry or other entities, this action is a prerequisite to regulatory actions by the USEPA, including, but not limited to, GHG emissions standards for light-duty vehicles.

On April 4, 2012, the USEPA published a proposed rule to establish, for the first time, a new source performance standard for GHG emissions. Under the proposed rule, new fossil fuel–fired electric generating units larger than 25 megawatts (MW) are required to limit emissions to 1,000 pounds of CO_2 per MW-hour (CO_2/MWh) on an average annual basis, subject to certain exceptions. Subsequently, on April 23, 2018, the USEPA issued a policy stating that CO_2 emissions from biomass-fired and other biogenic sources would be considered carbon neutral when used for energy production at stationary sources.

On April 17, 2012, the USEPA issued emission rules for oil production and natural gas production and processing operations, which are required by the CAA under Title 40 of the Code of Federal Regulations, Parts 60 and 63. The final rules include the first federal air standards for natural gas wells that are hydraulically fractured, along with requirements for several other sources of pollution in the oil and gas industry that currently are not regulated at the federal level.[24]

Corporate Average Fuel Economy (CAFE) Standards. In response to the *Massachusetts v. Environmental Protection Agency* ruling, the George W. Bush Administration issued Executive Order 13432 in 2007, directing the USEPA, the United States Department of Transportation (USDOT), and the United States Department of Energy (USDOE) to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the National Highway Traffic Safety Administration (NHTSA) issued a final rule regulating fuel efficiency for and GHG emissions from cars and light-duty trucks for model year 2011; in 2010, the USEPA and the NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

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23 USEPA, Endangerment and Cause or Contribute Findings for Greenhouse Gases Under Section 202(a) of the Clean Air Act, Final Rule.

24 USEPA, 2012 Final Rules for Oil and Natural Gas Industry, April 17, 2012, https://www.epa.gov/controlling-air-pollution-oil-and-natural-gas-industry/2012-final-rules-oil-and-natural-gas-industry, accessed April 2020.

In 2010, President Obama issued a memorandum directing the USEPA, USDOT, USDOE, and NHTSA to establish additional standards regarding fuel efficiency and GHG emissions reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the USEPA and NHTSA proposed stringent, coordinated federal GHG emissions and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards are projected to achieve 163 grams/mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon (mpg) if the standards were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021. In March 2020, NHTSA and USEPA adopted new less stringent standards covering model years 2021 through 2026.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011 the USEPA and the NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the USEPA, this regulatory program would reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.[25]

Building on the success of the first phase of standards, in August 2016, the USEPA and the NHTSA finalized Phase 2 standards for medium and heavy-duty vehicles through model year 2027 that will improve fuel efficiency and cut carbon pollution. The Phase 2 standards were to lower CO_2 emissions by approximately 1.1 billion metric tons and save vehicle owners fuel costs of about $170 billion.[26] On August 10, 2021, NHTA proposed new CAFE standards for 2024-2026 that would increase the stringency of standards by 8 percent per year rather than the previous 1.5 percent.

On September 19, 2019, the U.S. Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and USEPA issued a final action entitled the "One National Program Rules" to enable the federal government to provide nationwide uniform fuel economy and greenhouse gas (GHG) emission standards for automobile and light duty trucks. This action finalizes the Safe Affordable Fuel Efficient (SAFE) Vehicles Rule and clarifies that federal law preempts state and local tailpipe GHG emissions standards as well as zero emission vehicle (ZEV) mandates. The SAFE Vehicle Rule also withdraws the CAA waiver granted to the State of California that allowed the state to enforce its own Low Emission Vehicle program.[27] On March 31, 2020, Part II of the SAFE Vehicles was issued and sets carbon dioxide emissions and CAFE standards for passenger vehicles and light

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25 The emission reductions attributable to the regulations for medium- and heavy-duty trucks were not included in the Project's emissions inventory due to the difficulty in quantifying the reductions. Excluding these reductions results in a more conservative (i.e., higher) estimate of emissions for the Project.

26 USEPA and NHTSA Adopt Standards to Reduce GHG and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles for Model Year 2018 and Beyond, August 2016.

27 U.S. Department of Transportation and EPA. 2019. *One National Program Rule on Federal Preemption of State Fuel Economy Standards*, https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-one-national-program-federal-preemption-state#:~:text=In%20this%20action%20NHTSA%20is,and%20local%20programs%20are%20preempted.

duty trucks, covering model years 2021-2026.[28] On December 21, 2021, NHTA repealed the SAFE I Rule.

Energy Independence and Security Act. The Energy Independence and Security Act of 2007 (EISA) facilitates the reduction of national GHG emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard (RFS) that requires fuel producers to use at least 36 billion gallons of biofuel in 2022;
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances;
- Requiring approximately 25 percent greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014; requiring approximately 200 percent greater efficiency for light bulbs, or similar energy savings, by 2020; and
- While superseded by the USEPA and the NHTSA actions described above, (i) establishing miles per gallon targets for cars and light trucks, and (ii) directing the NHTSA to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for trucks.

Additional provisions of the EISA address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."[29]

Regulatory Framework: State

Scoping Plan for Achieving Carbon Neutrality (Scoping Plan). The Scoping Plan is a GHG emission reduction roadmap developed and updated by the California Air Resources Board (CARB) at least once every five years, as required by Assembly Bill (AB) 32. It lays out the transformations needed across various sectors to reduce GHG emissions and reach the State's climate targets. CARB published the Final 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan Update) in November 2022, as the third update to the initial plan that was adopted in 2008. The initial 2008 Scoping Plan laid out a path to achieve the AB 32 target of returning to 1990 levels of GHG emissions by 2020, a reduction of approximately 15 percent below business as usual activities.[30] The 2008 Scoping Plan included a mix of incentives, regulations, and carbon pricing, laying out the portfolio approach to addressing climate change and clearly making the case for using multiple tools to meet California's GHG targets. The 2013 Scoping Plan Update (adopted in 2014) assessed

28 U.S. Department of Transportation. 2020. The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks, https://www.nhtsa.gov/sites/nhtsa.dot.gov/files/documents/final_safe_preamble_web_version_200330.pdf.

29 A green job, as defined by the United States Department of Labor, is a job in business that produces goods or provides services that benefit the environment or conserve natural resources.

30 CARB. 2008. Climate Change Scoping Plan. ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/document/adopted_scoping_plan.pdf.

progress toward achieving the 2020 target and made the case for addressing short-lived climate pollutants (SLCPs).[31] The 2017 Scoping Plan Update,[32] shifted focus to the newer Senate Bill (SB) 32 goal of a 40 percent reduction below 1990 levels by 2030 by laying out a detailed cost-effective and technologically feasible path to this target, and also assessed progress towards achieving the AB 32 goal of returning to 1990 GHG levels by 2020. The 2020 goal was ultimately reached in 2016, four years ahead of the schedule called for under AB 32.

The 2022 Scoping Plan Update is the most comprehensive and far-reaching Scoping Plan developed to date. It identifies a technologically feasible, cost-effective, and equity-focused path to achieve new targets for carbon neutrality by 2045 and to reduce anthropogenic GHG emissions to at least 85 percent below 1990 levels, while also assessing the progress California is making toward reducing its GHG emissions by at least 40 percent below 1990 levels by 2030, as called for in SB 32 and laid out in the 2017 Scoping Plan.[33] The 2030 target is an interim but important stepping stone along the critical path to the broader goal of deep decarbonization by 2045. The relatively longer path assessed in the 2022 Scoping Plan Update incorporates, coordinates, and leverages many existing and ongoing efforts to reduce GHGs and air pollution, while identifying new clean technologies and energy. Given the focus on carbon neutrality, the 2022 Scoping Plan Update also includes discussion for the first time of the natural and working lands sectors as sources for both sequestration and carbon storage, and as sources of emissions as a result of wildfires. Table 3 summarizes the potential scenarios to reduce emissions through 2045.

Table 3
Estimated Statewide Greenhouse Gas Emissions Reductions in the 2022 Scoping Plan

Emissions Scenario	GHG Emissions ($MMTCO_2e$)
2019	
2019 State GHG Emissions	404
2030	
2030 BAU Forecast	312
2030 GHG Emissions without Carbon Removal and Capture	233
2030 GHG Emissions with Carbon Removal and Capture	226
2030 Emissions Target Set by AB 32 (i.e., 1990 level by 2030)	260
Reduction below Business-As-Usual necessary to achieve 1990 levels by 2030	52 (16.7%)[a]
2045	
2045 BAU Forecast	266
2045 GHG Emissions without Carbon Removal and Capture	72
2045 GHG Emissions with Carbon Removal and Capture	(3)

$MMTCO_2e$ = million metric tons of carbon dioxide equivalents; parenthetical numbers represent negative values.
[a] 312 – 260 = 52. 52 / 312 = 16.7%
Source: CARB, Final 2022 Climate Change Scoping Plan, November 2022.

31 CARB. 2014. First Update to the Climate Change Scoping Plan. ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf.
32 CARB. 2017. California's 2017 Climate Change Scoping Plan. ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf.
33 CARB, California's 2017 Climate Change Scoping Plan, 2017, ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/scoping_plan_2017.pdf.

The 2022 Scoping Plan Update reflects existing and recent direction in the Governor's Executive Orders and State Statutes, which identify policies, strategies, and regulations in support of and implementation of the Scoping Plan. Among these include Executive Order B-55-18 and AB 1279 (The California Climate Crisis Act), which identify the 2045 carbon neutrality and GHG reduction targets required for the Scoping Plan. Table 4 provides a summary of major climate legislation and executive orders issued since the adoption of the 2017 Scoping Plan.

Table 4
Major Climate Legislation and Executive Orders Enacted Since the 2017 Scoping Plan

Bill/Executive Order	Summary
Assembly Bill 1279 (AB 1279) (Muratsuchi, Chapter 337, Statutes of 2022) *The California Climate Crisis Act*	AB 1279 establishes the policy of the state to achieve carbon neutrality as soon as possible, but no later than 2045; to maintain net negative GHG emissions thereafter; and to ensure that by 2045 statewide anthropogenic GHG emissions are reduced at least 85 percent below 1990 levels. The bill requires CARB to ensure that the Scoping Plan updates identify and recommend measures to achieve carbon neutrality, and to identify and implement policies and strategies that enable CO_2 removal solutions and carbon capture, utilization, and storage (CCUS) technologies. This bill is reflected directly in the 2022 Scoping Plan Update.
Senate Bill 905 (SB 905) (Caballero, Chapter 359, Statutes of 2022) *Carbon Capture, Removal, Utilization, and Storage Program*	SB 905 requires CARB to create the Carbon Capture, Removal, Utilization, and Storage Program to evaluate, demonstrate, and regulate CCUS and carbon dioxide removal (CDR) projects and technology. The bill requires CARB, on or before January 1, 2025, to adopt regulations creating a unified state permitting application for approval of CCUS and CDR projects. The bill also requires the Secretary of the Natural Resources Agency to publish a framework for governing agreements for two or more tracts of land overlying the same geologic storage reservoir for the purposes of a carbon sequestration project. The 2022 Scoping Plan Update modeling reflects both CCUS and CDR contributions to achieve carbon neutrality.
Senate Bill 846 (SB 846) (Dodd, Chapter 239, Statutes of 2022) *Diablo Canyon Powerplant: Extension of Operations*	SB 846 extends the Diablo Canyon Power Plant's sunset date by up to five additional years for each of its two units and seeks to make the nuclear power plant eligible for federal loans. The bill requires that the California Public Utilities Commission (CPUC) not include and disallow a load-serving entity from including in their adopted resource plan, the energy, capacity, or any attribute from the Diablo Canyon power plant. The 2022 Scoping Plan Update explains the emissions impact of this legislation.
Senate Bill 1020 (SB 1020) (Laird, Chapter 361, Statutes of 2022) *Clean Energy, Jobs, and Affordability Act of 2022*	SB 1020 adds interim renewable energy and zero carbon energy retail sales of electricity targets to California end-use customers set at 90 percent in 2035 and 95 percent in 2040. It accelerates the timeline required to have 100 percent renewable energy and zero carbon energy procured to serve state agencies from the original target year of 2045 to 2035. This bill requires each state agency to individually achieve the 100 percent goal by 2035 with specified requirements. This bill requires the CPUC, California Energy Commission (CEC), and CARB, on or before December 1, 2023, and annually thereafter, to issue a joint reliability progress report that reviews system and local reliability. The bill also modifies the requirement for CARB to hold a portion of its Scoping Plan workshops in regions of the state with the most significant

Bill/Executive Order	Summary
	exposure to air pollutants by further specifying that this includes communities with minority populations or low-income communities in areas designated as being in extreme federal non-attainment. The 2022 Scoping Plan Update describes the implications of this legislation on emissions.
Senate Bill 1137 (SB 1137) (Gonzales, Chapter 365, Statutes of 2022) *Oil & Gas Operations: Location Restrictions: Notice of Intention: Health protection zone: Sensitive receptors*	SB 1137 prohibits the development of new oil and gas wells or infrastructure in health protection zones, as defined, except for purposes of public health and safety or other limited exceptions. The bill requires operators of existing oil and gas wells or infrastructure within health protection zones to undertake specified monitoring, public notice, and nuisance requirements. The bill requires CARB to consult and concur with the California Geologic Energy Management Division (CalGEM) on leak detection and repair plans for these facilities, adopt regulations as necessary to implement emission detection system standards, and collaborate with CalGEM on public access to emissions detection data.
Senate Bill 1075 (SB 1075) (Skinner, Chapter 363, Statutes of 2022) *Hydrogen: Green Hydrogen: Emissions of Greenhouse Gases*	SB 1075 requires CARB, by June 1, 2024, to prepare an evaluation that includes: policy recommendations regarding the use of hydrogen, and specifically the use of green hydrogen, in California; a description of strategies supporting hydrogen infrastructure, including identifying policies that promote the reduction of GHGs and short-lived climate pollutants; a description of other forms of hydrogen to achieve emission reductions; an analysis of curtailed electricity; an estimate of GHG and emission reductions that could be achieved through deployment of green hydrogen through a variety of scenarios; an analysis of the potential for opportunities to integrate hydrogen production and applications with drinking water supply treatment needs; policy recommendations for regulatory and permitting processes associated with transmitting and distributing hydrogen from production sites to end uses; an analysis of the life-cycle GHG emissions from various forms of hydrogen production; and an analysis of air pollution and other environmental impacts from hydrogen distribution and end uses. This bill would inform the production of hydrogen at the scale called for in the 2022 Scoping Plan Update.
Assembly Bill 1757 (AB 1757) (Garcia, Chapter 341, Statutes of 2022) *California Global Warming Solutions Act of 2006: Climate Goal: Natural and Working Lands*	AB 1757 requires the California Natural Resources Agency (CNRA), in collaboration with CARB, other state agencies, and an expert advisory committee, to determine a range of targets for natural carbon sequestration, and for nature-based climate solutions, that reduce GHG emissions in 2030, 2038, and 2045 by January 1, 2024. These targets must support state goals to achieve carbon neutrality and foster climate adaptation and resilience. This bill also requires CARB to develop standard methods for state agencies to consistently track GHG emissions and reductions, carbon sequestration, and additional benefits from natural and working lands over time. These methods will account for GHG emissions reductions of CO2, methane, and nitrous oxide related to natural and working lands and the potential impacts of climate change on the ability to reduce GHG emissions and sequester carbon from natural and working lands, where feasible. This 2022 Scoping Plan Update describes the next steps and implications of this legislation for the natural and working lands sector.
Senate Bill 1206 (SB 1206) (Skinner, Chapter 884, Statutes of 2022)	SB 1206 mandates a stepped sales prohibition on newly produced high-global warming potential (GWP) HFCs to transition California's economy toward recycled and reclaimed HFCs for servicing existing HFC-based equipment. Additionally, SB 1206 also requires CARB to develop regulations to increase the adoption of very low-, i.e., GWP < 10, and no-GWP technologies in sectors that currently rely on higher-GWP HFCs.

Bill/Executive Order	Summary
Hydrofluorocarbon gases: sale or distribution	
Senate Bill 27 (SB 27) (Skinner, Chapter 237, Statutes of 2021) *Carbon Sequestration: State Goals: Natural and Working Lands: Registry of Projects*	SB 27 requires CNRA, in coordination with other state agencies, to establish the Natural and Working Lands Climate Smart Strategy by July 1, 2023. This bill also requires CARB to establish specified CO2 removal targets for 2030 and beyond as part of its Scoping Plan. Under SB 27, CNRA is to establish and maintain a registry to identify projects in the state that drive climate action on natural and working lands and are seeking funding. CNRA also must track carbon removal and GHG emission reduction benefits derived from projects funded through the registry. This bill is reflected directly in the 2022 Scoping Plan Update as CO_2 removal targets for 2030 and 2045 in support of carbon neutrality.
Senate Bill 596 (SB 596) (Becker, Chapter 246, Statutes of 2021) *Greenhouse Gases: Cement Sector: Net- zero Emissions Strategy*	SB 596 requires CARB, by July 1, 2023, to develop a comprehensive strategy for the state's cement sector to achieve net-zero-emissions of GHGs associated with cement used within the state as soon as possible, but no later than December 31, 2045. The bill establishes an interim target of 40 percent below the 2019 average GHG intensity of cement by December 31, 2035. Under SB 596, CARB must: ● Define a metric for GHG intensity and establish a baseline from which to measure GHG intensity reductions. ● Evaluate the feasibility of the 2035 interim target (40 percent reduction in GHG intensity) by July 1, 2028. ● Coordinate and consult with other state agencies. ● Prioritize actions that leverage state and federal incentives. ● Evaluate measures to support market demand and financial incentives to encourage the production and use of cement with low GHG intensity. The 2022 Scoping Plan Update modeling is designed to achieve these outcomes.
Executive Order N-82-20	Governor Newsom signed Executive Order N-82-20 in October 2020 to combat the climate and biodiversity crises by setting a statewide goal to conserve at least 30 percent of California's land and coastal waters by 2030. The Executive Order also instructed the CNRA, in consultation with other state agencies, to develop a Natural and Working Lands Climate Smart Strategy that serves as a framework to advance the state's carbon neutrality goal and build climate resilience. In addition to setting a statewide conservation goal, the Executive Order directed CARB to update the target for natural and working lands in support of carbon neutrality as part of this Scoping Plan, and to take into consideration the NWL Climate Smart Strategy. CO_2 Executive Order N-82-20 also calls on the CNRA, in consultation with other state agencies, to establish the California Biodiversity Collaborative (Collaborative). The Collaborative shall be made up of governmental partners, California Native American tribes, experts, business and community leaders, and other stakeholders from across the state. State agencies will consult the Collaborative on efforts to: ● Establish a baseline assessment of California's biodiversity that builds upon existing data and can be updated over time.

Bill/Executive Order	Summary
	● Analyze and project the impact of climate change and other stressors in California's biodiversity. ● Inventory current biodiversity efforts across all sectors and highlight opportunities for additional action to preserve and enhance biodiversity. CNRA also is tasked with advancing efforts to conserve biodiversity through various actions, such as streamlining the state's process to approve and facilitate projects related to environmental restoration and land management. The California Department of Food and Agriculture (CDFA) is directed to advance efforts to conserve biodiversity through measures such as reinvigorating populations of pollinator insects, which restore biodiversity and improve agricultural production. The Natural and Working Lands Climate Smart Strategy informs the 2022 Scoping Plan Update.
Executive Order N-79-20	Governor Newsom signed Executive Order N-79-20 in September 2020 to establish targets for the transportation sector to support the state in its goal to achieve carbon neutrality by 2045. The targets established in this Executive Order are: ● 100 percent of in-state sales of new passenger cars and trucks will be zero-emission by 2035. ● 100 percent of medium- and heavy-duty vehicles will be zero-emission by 2045 for all operations where feasible, and by 2035 for drayage trucks. ● 100 percent of off-road vehicles and equipment will be zero-emission by 2035 where feasible. The Executive Order also tasked CARB to develop and propose regulations that require increasing volumes of zero- electric passenger vehicles, medium- and heavy-duty vehicles, drayage trucks, and off-road vehicles toward their corresponding targets of 100 percent zero-emission by 2035 or 2045, as listed above. The 2022 Scoping Plan Update modeling reflects achieving these targets.
Executive Order N-19-19	Governor Newsom signed Executive Order N-19-19 in September 2019 to direct state government to redouble its efforts to reduce GHG emissions and mitigate the impacts of climate change while building a sustainable, inclusive economy. This Executive Order instructs the Department of Finance to create a Climate Investment Framework that: ● Includes a proactive strategy for the state's pension funds that reflects the increased risks to the economy and physical environment due to climate change. ● Provides a timeline and criteria to shift investments to companies and industry sectors with greater growth potential based on their focus of reducing carbon emissions and adapting to the impacts of climate change. ● Aligns with the fiduciary responsibilities of the California Public Employees' Retirement System, California State Teachers' Retirement System, and the University of California Retirement Program. Executive Order N-19-19 directs the State Transportation Agency to leverage more than $5 billion in annual state transportation spending to help reverse the trend of increased fuel consumption and reduce GHG

Bill/Executive Order	Summary
	emissions associated with the transportation sector. It also calls on the Department of General Services to leverage its management and ownership of the state's 19 million square feet in managed buildings, 51,000 vehicles, and other physical assets and goods to minimize state government's carbon footprint. Finally, it tasks CARB with accelerating progress toward California's goal of five million ZEV sales by 2030 by: ● Developing new criteria for clean vehicle incentive programs to encourage manufacturers to produce clean, affordable cars. ● Proposing new strategies to increase demand in the primary and secondary markets for ZEVs. ● Considering strengthening existing regulations or adopting new ones to achieve the necessary GHG reductions from within the transportation sector. The 2022 Scoping Plan Update modeling reflects efforts to accelerate ZEV deployment.
Senate Bill 576 (SB 576) (Umberg, Chapter 374, Statutes of 2019) *Coastal Resources: Climate Ready Program and Coastal Climate Change Adaptation, Infrastructure and Readiness Program*	Sea level rise, combined with storm-driven waves, poses a direct risk to the state's coastal resources, including public and private real property and infrastructure. Rising marine waters threaten sensitive coastal areas, habitats, the survival of threatened and endangered species, beaches, other recreation areas, and urban waterfronts. SB 576 mandates that the Ocean Protection Council develop and implement a coastal climate adaptation, infrastructure, and readiness program to improve the climate change resiliency of California's coastal communities, infrastructure, and habitat. This bill also instructs the State Coastal Conservancy to administer the Climate Ready Program, which addresses the impacts and potential impacts of climate change on resources within the conservancy's jurisdiction.
Assembly Bill 65 (AB 65) (Petrie- Norris, Chapter 347, Statutes of 2019) *Coastal Protection: Climate Adaption: Project Prioritization: Natural Infrastructure: Local General Plans*	This bill requires the State Coastal Conservancy, when it allocates any funding appropriated pursuant to the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, to prioritize projects that use natural infrastructure in coastal communities to help adapt to climate change. The bill requires the conservancy to provide information to the Office of Planning and Research on any projects funded pursuant to the above provision to be considered for inclusion into the clearinghouse for climate adaptation information. The bill authorizes the conservancy to provide technical assistance to coastal communities to better assist them with their projects that use natural infrastructure.
Executive Order B-55-18	Governor Brown signed Executive Order B-55-18 in September 2018 to establish a statewide goal to achieve carbon neutrality as soon as possible, and no later than 2045, and to achieve and maintain net negative emissions thereafter. Policies and programs undertaken to achieve this goal shall: ● Seek to improve air quality and support the health and economic resiliency of urban and rural communities, particularly low-income and disadvantaged communities. ● Be implemented in a manner that supports climate adaptation and biodiversity, including protection of the state's water supply, water quality, and native plants and animals. This Executive Order also calls for CARB to: ● Develop a framework for implementation and accounting that tracks progress toward this goal.

Bill/Executive Order	Summary
	● Ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The 2022 Scoping Plan Update is designed to achieve carbon neutrality no later than 2045 and the modeling includes technology and fuel transitions to achieve that outcome.
Senate Bill 100 (SB 100) (De León, Chapter 312, Statutes of 2018) *California Renewables Portfolio Standard Program: emissions of greenhouse gases*	Under SB 100, the CPUC, CEC, and CARB shall use programs under existing laws to achieve 100 percent clean electricity. The statute requires these agencies to issue a joint policy report on SB 100 every four years. The first of these reports was issued in 2021. The 2022 Scoping Plan Update reflects the SB 100 Core Scenario resource mix with a few minor updates.
Assembly Bill 2127 (AB 2127) (Ting, Chapter 365, Statutes of 2018) *Electric Vehicle Charging Infrastructure: Assessment*	This bill requires the CEC, working with CARB and the CPUC, to prepare and biennially update a statewide assessment of the electric vehicle charging infrastructure needed to support the levels of electric vehicle adoption required for the state to meet its goals of putting at least 5 million zero-emission vehicles on California roads by 2030 and of reducing emissions of GHGs to 40 percent below 1990 levels by 2030. The bill requires the CEC to regularly seek data and input from stakeholders relating to electric vehicle charging infrastructure. This bill supports the deployment of ZEVs as modeled in the 2022 Scoping Plan Update.
Senate Bill 30 (SB 30) (Lara, Chapter 614, Statutes of 2018) *Insurance: Climate Change*	This bill requires the Insurance Commissioner to convene a working group to identify, assess, and recommend risk transfer market mechanisms that, among other things, promote investment in natural infrastructure to reduce the risks of climate change related to catastrophic events, create incentives for investment in natural infrastructure to reduce risks to communities, and provide mitigation incentives for private investment in natural lands to lessen exposure and reduce climate risks to public safety, property, utilities, and infrastructure. The bill requires the policies recommended to address specified questions.
Assembly Bill 2061 (AB 2061) (Frazier, Chapter 580, Statutes of 2018) *Near-zero-emission and Zero-emission Vehicles*	Existing state and federal law sets specified limits on the total gross weight imposed on the highway by a vehicle with any group of two or more consecutive axles. Under existing federal law, the maximum gross vehicle weight of that vehicle may not exceed 82,000 pounds. AB 2061 authorizes a near-zero- emission vehicle or a zero-emission vehicle to exceed the weight limits on the power unit by up to 2,000 pounds. This bill supports the deployment of cleaner trucks as modeled in this 2022 Scoping Plan Update.

The 2022 Scoping Plan Scenario identifies the need to accelerate AB32's 2030 target, from 40 percent to 48 percent below 1990 levels. Cap-and-Trade regulation continues to play a large factor in the reduction of near-term emissions for meeting the 2030 reduction target. Every sector of the economy will need to begin to transition in this decade to meet these GHG reduction goals and achieve carbon neutrality no later than 2045. The 2022 Scoping Plan Update approaches decarbonization from two perspectives, managing a phasedown of existing energy sources and technologies, as well as increasing, developing, and deploying alternative clean energy sources and technology.

The Scoping Plan Scenario includes references to relevant statutes and Executive Orders, although it is not comprehensive of all existing new authorities for directing or supporting the actions described. Table 2-1 identifies actions related to a variety of sectors such as: smart growth and reductions in Vehicle Miles Traveled (VMT); light-duty vehicles (LDV) and zero-emission vehicles (ZEV); truck ZEVs; reduce fossil energy, emissions, and GHGs for aviation ocean-going vessels, port operations, freight and passenger rail, oil and gas extraction; and petroleum refining; improvements in electricity generation; electrical appliances in new and existing residential and commercial buildings; electrification and emission reductions across industries such as the for food products, construction equipment, chemicals and allied products, pulp and paper, stone/clay/glass/cement, other industrial manufacturing, and agriculture; retiring of combined heat and power facilities; low carbon fuels for transportation, business, and industry; improvements in non-combustion methane emissions, and introduction of low GWP refrigerants.

Achieving the targets described in the 2022 Scoping Plan Update will require continued commitment to and successful implementation of existing policies and programs, and identification of new policy tools and technical solutions to go further, faster. California's Legislature and state agencies will continue to collaborate to achieve the state's climate, clean air, equity, and broader economic and environmental protection goals. It will be necessary to maintain and strengthen this collaborative effort, and to draw upon the assistance of the federal government, regional and local governments, tribes, communities, academic institutions, and the private sector to achieve the state's near-term and longer-term emission reduction goals and a more equitable future for all Californians. The Scoping Plan acknowledges that the path forward is not dependent on one agency, one state, or even one country. However, the State can lead by engaging Californians and demonstrating how actions at the state, regional, and local levels of governments, as well as action at community and individual levels, can contribute to addressing the challenge.

Aligning local jurisdiction action with state-level priorities to tackle climate change and the outcomes called for in the 2022 Scoping Plan Update is identified as critical to achieving the statutory targets for 2030 and 2045. The 2022 Scoping Plan Update discusses the role of local governments in meeting the State's GHG reductions goals. Local governments have the primary authority to plan, zone, approve, and permit how and where land is developed to accommodate population growth, economic growth, and the changing needs of their jurisdictions. They also make critical decisions on how and when to deploy transportation infrastructure, and can choose to support transit, walking, bicycling, and neighborhoods that do not force people into cars. Local governments also have the option to adopt building ordinances that exceed statewide building code requirements, and play a critical role in facilitating the rollout of ZEV infrastructure. As a result, local government decisions play a critical role in supporting state-level measures to contain the growth of GHG emissions associated with the transportation system and the built environment—the two largest GHG emissions sectors over which local governments have authority. The City has taken the initiative in combating climate change by developing programs and regulations such as the Green New Deal and Green Building Code. Each of these is discussed further below.

Advanced Clean Cars Regulations. In 2012, CARB approved the Advanced Clean Cars (ACC) program, a new emissions-control program for model years 2015–2025.[34] The components of the Advance Clean Car program include the Low-Emission Vehicle (LEV) regulations that reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles, and the Zero- Emission Vehicle (ZEV) regulation, which requires manufacturers to produce an increasing number of pure ZEVs (meaning battery electric and fuel cell electric vehicles), with provisions to also produce plug-in hybrid electric vehicles (PHEV) in the 2018 through 2025 model years.[35]

On September 23, 2020, Governor Gavin Newsom signed Executive Order No. N-79-20 that phases out sales of new gas-powered passenger cars by 2035 in California with an additional ten-year transition period for heavy vehicles. The state would not restrict used car sales, nor forbid residents from owning gas-powered vehicles. In accordance with the Executive Order, CARB is developing a 2020 Mobile Source Strategy, a comprehensive analysis that presents scenarios for possible strategies to reduce the carbon, toxic and unhealthy pollution from cars, trucks, equipment, and ships. The strategies will provide important information for numerous regulations and incentive programs going forward by conveying what is necessary to address the aggressive emission reduction requirements.

In November 2022, the ACC II regulations took effect, setting annual ZEV and plug-in hybrid vehicle sales requirements for model years 2026 to 2035 (ZEV program) and increasingly more stringent exhaust and evaporative emission standards (LEV program) to ensure automakers phase out new sales of internal combustion engine vehicles.

California Appliance Efficiency Regulations (Title 20, Sections 1601 through 1608). The 2014 Appliance Efficiency Regulations, adopted by the CEC, include standards for new appliances (e.g., refrigerators) and lighting, if they are sold or offered for sale in California. These standards include minimum levels of operating efficiency, and other cost- effective measures, to promote the use of energy- and water-efficient appliances.

California Building Energy Efficiency Standards (Title 24, Part 6). California's Energy Efficiency Standards for Residential and Nonresidential Buildings, located at Title 24, Part 6 of the California Code of Regulations and commonly referred to as "Title 24," were established in 1978 in response to a legislative mandate to reduce California's energy consumption. Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods.[36] The 2022 standards continue to improve upon previous standards for new construction of, and additions and alterations to, residential and non-residential buildings and became effective January 1, 2023. Compliance with Title 24 is enforced through the building permit process. Key changes included

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34 California Air Resources Board, California's Advanced Clean Cars Program, www.arb.ca.gov/msprog/acc/acc.htm, accessed April 2020.

35 Ibid.

36 California Energy Commission, 2019 Building Energy Efficiency Standards, https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency, accessed April 2020.

encouraging heat pump technology for space and water heating, setting electric-ready requirements for single-family homes, expanding solar photovoltaic system and battery storage standards, and strengthening ventilation standards to improve indoor air quality.

California Green Building Standards (CALGreen Code). The California Green Building Standards Code (California Code of Regulations, Title 24, Part 11) are mandatory green building standards for new structures. They focus on measures to reduce water consumption, GHG emissions, and materials and waste. These codes are updated every three years, with the 2022 CalGreen code updates effective January 1, 2023. New requirements address requirements for Level 2 electric vehicle chargers and use of solar photovoltaic shade structures instead of shade trees. Voluntary measures focus on higher EV charging requirements for parking facilities.

Regulatory Framework: Regional

South Coast Air Quality Management District. The South Coast Air Quality Management District (SCAQMD) adopted a "Policy on Global Warming and Stratospheric Ozone Depletion" on April 6, 1990. The policy commits the SCAQMD to consider global impacts in rulemaking and in drafting revisions to the Air Quality Management Plan. In March 1992, the SCAQMD Governing Board reaffirmed this policy and adopted amendments to the policy to include the following directives:

- Phase out the use and corresponding emissions of chlorofluorocarbons, methyl chloroform (1,1,1-trichloroethane or TCA), carbon tetrachloride, and halons by December 1995;
- Phase out the large quantity use and corresponding emissions of hydrochlorofluorocarbons by the year 2000;
- Develop recycling regulations for hydrochlorofluorocarbons (e.g., SCAQMD Rules 1411 and 1415);
- Develop an emissions inventory and control strategy for methyl bromide; and
- Support the adoption of a California GHG emission reduction goal.

Southern California Association of Governments. To implement SB 375 and reduce GHG emissions by correlating land use and transportation planning, SCAG adopted the 2020-2045 RTP/SCS on September 3, 2020, calling for $639 billion in transportation investments and reducing VMT by 19 percent per capita from 2005 to 2035. The updated plan accommodates 21.3 percent growth in population from 2016 (3,933,800) to 2045 (4,771,300) and a 15.6 percent growth in jobs from 2016 (1,848,300) to 2045 (2,135,900). The updated RTP/SCS calls for several land use-based strategies to accommodate growth, minimize criteria pollutant emissions, and achieve climate change objectives:

- Decreasing drive-along work commutes by three percent
- Reducing per capita VMT by five percent and vehicle hours traveled per capita by nine percent
- Increasing transit commuting by two percent
- Reducing travel delay per capita by 26 percent

- Creating 264,500 new jobs annually
- Reducing greenfield development by 29 percent by focusing on smart growth
- Locating six more percent household growth in High Quality Transit Areas (HQTAs), which concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.
- Locating 15 percent more jobs in HQTAs

The 2020-2045 RTP/SCS calls for a 19 percent reduction in per capita GHG emissions by 2035 from 2005 levels. This is intended to be consistent with CARB's performance targets during this same period. The bulk of these reductions are to come from transportation investments, pricing strategies, TDM strategies, and land use programs. On October 30, 2020, CARB accepted the RTP/SCS quantification of GHG emissions on October 30, 2020 (Executive Order G-20-239, SCAG 2020 SCS ARB Acceptance of GHG Quantification Determination).

Regulatory Framework: Local

City of Los Angeles Green Building Code. On December 15, 2011, the Los Angeles City Council approved Ordinance No. 181,481, which amended Chapter IX of the Los Angeles Municipal Code (LAMC), referred to as the Los Angeles Green Building Code, by adding a new Article 9 to incorporate various provisions of the 2010 CALGreen Code. On December 20, 2016, the Los Angeles City Council approved Ordinance No. 184,692, which further amended Chapter IX of the LAMC, by amending certain provisions of Article 9 to reflect local administrative changes and incorporating by reference portions of the 2016 CALGreen Code. The 2020 Los Angeles Green Building Code incorporates by reference the mandatory requirements of the 2019 California Green Building Standards Code.

On November 29, 2022, the City Council adopted Ordinance 187714, which requires new development to be all electric powered, with the few exceptions (e.g., cooking equipment associated with any restaurants or eating facilities, gas-powered emergency backup systems). Equipment typically powered by natural gas such as space heating, water heating, cooking appliances and clothes drying would need to be powered by electricity for new construction. Exceptions are made for commercial restaurants, laboratory, and research and development uses. The LAMC is consistent with 2022 Title 24 goals of encouraging all-electric development which requires new residential uses to be electric-ready (wiring installed for all-electric appliances). Buildings in Los Angeles account for 43 percent of greenhouse gas emissions—more than any other sector in the City. These LAMC requirements ensure that new buildings being constructed are built to leverage the increasingly clean electric grid, which is anticipated to be carbon-free by 2035, rather than relying on fossil fuels.

Housing Element (Housing Needs Assessment). The Housing Element of the General Plan is prepared pursuant to state law and provides planning guidance in meeting housing needs identified in the SCAG Regional Housing Needs Assessment (RHNA). The Housing Element identifies the City's housing conditions and needs, establishes the goals, objectives, and policies that are the foundation of the City's housing and growth strategy, and provides the array of programs the City intends to implement to create and preserve sustainable, mixed-income neighborhoods across the City.

The Housing Needs Assessment chapter discusses the City's population and housing stock to identify housing needs for a variety of household types across the City. The current RHNA goal for affordable housing within the City is approximately forty percent of new construction. However, the City's projections show affordable housing comprising twenty percent of new construction, which falls short of the forty percent RHNA goal. In order to address this shortfall in affordable housing, the Housing Element provides measures to streamline and incentivize development of affordable housing. Such measures include revising density bonuses for affordable housing; identifying locations which are ideal for funding programs to meet low-income housing goals; and rezoning areas to encourage low-income housing. With implementation of such measures to increase affordable housing, the Housing Element predicts a significant increase in housing production at all income ranges compared to previous cycles.

The Housing Element also promotes sustainability and resilience, and environmental justice through housing, as well as the need to reduce displacement. It encourages the utilization of alternatives to current parking standards that lower the cost of housing, support GHG and VMT goals and recognize the emergence of shared and alternative mobility. The Element also identifies housing strategies for energy conservation, water conservation, alternative energy sources and sustainable development which support conservation and reduce demand.

City of Los Angeles Green New Deal. The April 2019 Green New Deal is designed to create sustainability-based performance targets through 2050 to advance economic, environmental, and equity objectives. It was the first four-year update to the City's first Sustainable City pLAn that was released in 2015. It augments, expands, and elaborates the City's vision for a sustainable future and tackles the climate emergency with accelerated targets and new aggressive goals.

While not solely focused on climate change, reduction of GHG emissions is one of eight benefits that help define its strategies and goals. These include reducing GHG emissions through near-term outcomes:

- Reduce potable water use per capita by 22.5 percent by 2025; 25 percent by 2035; and maintain or reduce 2035 per capita water use through 2050.
- Reduce building energy use per square feet for all building types 22 percent by 2025; 34 percent by 2035; and 44 percent by 2050 (from a baseline of 68 mBTU/sf in 2015).
- All new buildings will be net zero carbon by 2030 and 100 percent of buildings will be net zero carbon by 2050.
- Increase cumulative new housing unit construction to 150,000 by 2025; and 275,000 units by 2035.
- Ensure 57 percent of new housing units are built within 1,500 feet of transit by 2025; and 75 percent by 2035.

- Increase the percentage of all trips made by walking, biking, micro-mobility/ matched rides, or transit to at least 35 percent by 2025, 50 percent by 2035, and maintain at least 50 percent by 2050.
- Reduce VMT per capita by at least 13 percent by 2025; 39 percent by 2035; and 45 percent by 2050.
- Increase the percentage of electric and zero emission vehicles in the city to 25 percent by 2025; 80 percent by 2035; and 100 percent by 2050.
- Increase landfill diversion rate to 90 percent by 2025; 95 percent by 2035 and 100 percent by 2050.
- Reduce municipal solid waste generation per capita by at least 15 percent by 2030, including phasing out single-use plastics by 2028 (from a baseline of 17.85 lbs. of waste generated per capita per day in 2011).
- Eliminate organic waste going to landfill by 2028.
- Reduce urban/rural temperature differential by at least 1.7 degrees by 2025; and 3 degrees by 2035.
- Ensure the proportion of Angelenos living within 1/2 mile of a park or open space is at least 65 percent by 2025; 75 percent by 2035; and 100 percent by 2050.

Mobility Plan 2035. In August 2015, the City Council adopted Mobility Plan 2035 (Mobility Plan), which serves as the City's General Plan circulation element. The City Council has adopted several amendments to the Mobility Plan since its initial adoption, including the most recent amendment on September 7, 2016.[37] The Mobility Plan incorporates "complete streets" principles and lays the policy foundation for how the City's residents interact with their streets. While the Mobility Plan 2035 mainly relates to transportation, certain components would serve to reduce VMT and mobile source GHG emissions. One component of the Mobility Plan is a GHG emission tracking program to establish compliance with SB 375, AB 32 and the region's Sustainable Community Strategy.

Traffic Study Policies and Procedures. The City of Los Angeles Department of Transportation (LADOT) has developed the Transportation Assessment Guidelines (TAG) (July 2020) to provide the public, private consultants, and City staff with standards, guidelines, objectives, and criteria to be used in the preparation of a transportation impact study. The TAG is consistent with the City's goals to emphasize the importance of sustainability, smart growth, and reduction of GHG emissions in addition to traditional traffic flow considerations when evaluating and mitigating impacts to the transportation system because of land use policy decisions. The TAG prioritizes transportation demand management strategies and multi-modal strategies over automobile-centric solutions when mitigating project-related impacts to the City's transportation system. Through acknowledgement of an imminent update that will identify VMT reduction thresholds, the TAG stands as an implementing mechanism of the City's strategy to conform to the mandates and requirements of AB 32, SB 375, and SB 743.

[37] *Los Angeles Department of City Planning, Mobility Plan 2035: An Element of the General Plan, approved by City Planning Commission on June 23, 2016, and adopted by City Council on September 7, 2016.*

Existing Conditions

Existing Statewide GHG Emissions. GHG emissions are the result of both natural and human-influenced activities. Regarding human-influenced activities, motor vehicle travel, consumption of fossil fuels for power generation, industrial processes, heating and cooling, landfills, agriculture, and wildfires are the primary sources of GHG emissions. Without human intervention, Earth maintains an approximate balance between the emission of GHG emissions into the atmosphere and the storage of GHG emissions in oceans and terrestrial ecosystems. Events and activities, such as the industrial revolution and the increased combustion of fossil fuels (e.g., gasoline, diesel, coal), have contributed to the rapid increase in atmospheric levels of GHG emissions over the last 150 years.

As reported by the CEC, California contributes approximately one percent of global and 8.2 percent of national GHG emissions.[38] California represents approximately 12 percent of the national population. Approximately 80 percent of GHGs in California are CO_2 produced from fossil fuel combustion. The current California GHG inventory compiles statewide anthropogenic GHG emissions and carbon sinks/storage from years 2000 through 2019.[39] It includes estimates for CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6. The GHG inventory for California for years 2010 through 2019 is presented in Table 5. As shown therein, the GHG inventory for California in 2019 was 418.2 million $MTCO_2e$.

Table 5
California GHG Inventory
(metric tons of carbon dioxide equivalent [$MTCO_2e$])

	2013	2014	2015	2016	2017	2018	2019
Transportation	161.2	162.6	166.2	169.8	171.2	169.6	166.1
Electric Power	91.7	92.5	90.3	89.0	88.8	89.2	88.2
Industrial	16.8	17.7	18.6	19.2	20.0	20.4	20.6
Commercial & Residential	91.4	88.9	84.8	68.6	62.1	63.1	58.8
Agriculture	161.2	162.6	166.2	169.8	171.2	169.6	166.1
High GWP	91.4	88.9	84.8	68.6	62.1	63.1	58.8
Recycling & Waste	91.7	92.5	90.3	89.0	88.8	89.2	88.2
Total	447.5	443.0	440.7	429.1	424.6	425.1	418.2

Source: California Air Resources Board (2021). California Greenhouse Gas Emission Inventory - 2021 Edition. Data available at: https://ww3.arb.ca.gov/cc/inventory/data/data.htm

Existing Project Site Emissions. The Project Site is currently vacant of any improvements. As such, there are no anthropogenic emissions of GHGs from the Project Site.

[38] California Energy Commission, Tracking Progress, Greenhouse Gas Emission Reductions. https://www.energy.ca.gov/data-reports/tracking-progress. Accessed August 2023.

[39] A carbon inventory identifies and quantifies sources and sinks of greenhouse gases. Sinks are defined as a natural or artificial reservoir that accumulates and stores some carbon-containing chemical compound for an indefinite period.

Methodology

CEQA Guidelines Section 15064.4(a) assist lead agencies in determining the significance of the impacts of GHG emissions, giving them discretion to determine whether to assess impacts quantitatively or qualitatively. It calls for a good-faith effort to describe and calculate emissions. This emissions inventory also demonstrates the reduction in a project's incremental contribution of GHG emissions that results from regulations and requirements adopted as implementation efforts for these plans for the reduction or mitigation of GHG emissions. As such, it provides further justification that a project is consistent with plans adopted for the purpose of reducing and/or mitigating GHG emissions by a project and over time. The significance of a project's GHG emissions impacts is not based on the amount of GHG emissions resulting from that project.

The City, SCAQMD, Office of Planning and Research (OPR), CARB, California Air Pollution Control Officers Association (CAPCOA), and other applicable agencies have not adopted a numerical threshold of significance for assessing impacts related to GHG emissions. As a result, the methodology for evaluating a project's impacts related to GHG emissions focuses on its consistency with statewide, regional, and local plans adopted for the purpose of reducing and/or mitigating GHG emissions.[40] This evaluation is the sole basis pursuant to CEQA for determining the significance of a project's GHG-related impacts on the environment.

Appendix D, Local Actions, of the 2022 Scoping Plan Update includes "recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under the California Environmental Quality Act (CEQA)."

The State encourages local governments to adopt a CEQA-qualified CAP addressing the three priority areas (transportation electrification, VMT reduction, and building decarbonization). However, the State recognizes that almost 50 percent of jurisdictions do not have an adopted CAP, among other reasons because they are costly, requiring technical expertise, staffing, funding. Additionally, CAPs need to be monitored and updated as State targets change and new data is available. Jurisdictions that wish to take meaningful climate action (such as preparing a non-CEQA-qualified CAP or as individual measures) aligned with the State's climate goals in the absence of a CEQA-qualified CAP are advised to look to the three priority areas when developing local climate plans, measures, policies, and actions: (transportation electrification, VMT reduction, and building decarbonization). "By prioritizing climate action in these three priority areas, local governments can address the largest sources of GHGs within their jurisdiction."

The State also recognizes in Appendix D, Local Actions, of the Scoping Plan that each community or local area has distinctive situations and local jurisdictions must balance the urgent need for housing[41]

40 CEQA Guidelines, Section 14 CCR 15064.4.

41 The State recognizes the need for 2.5 million housing units over the next eight years, with one million being affordable units. See page 20, Appendix D, *2022 Scoping Plan Update, November 2022*

while demonstrating that a Project is in alignment with the State's Climate Goals. The State calls for the climate crisis and the housing crisis to be confronted simultaneously. Jurisdictions should avoid creating targets that are impossible to meet as a basis to determine significance. Ultimately, targets that make it more difficult to achieve statewide goals by prohibiting or complicating projects that are needed to support the State's climate goals, like infill development, low-income housing or solar arrays, are not consistent with the State's goals. The State also recognizes the lead agencies' discretion to develop evidence-based approaches for determining whether a project would have a potentially significant impact on GHG emissions.

The analysis also calculates the amount of GHG emissions from the Project using recommended air quality models. The primary purpose of quantifying the Project's GHG emissions is to satisfy CEQA Guidelines Section 15064.4(a). The estimated emissions inventory is also used to determine if there would be a reduction in the Project's incremental contribution of GHG emissions because of compliance with regulations requirements adopted to implement plans for reducing or mitigating GHG emissions. However, the significance of the Project's GHG emissions is not based on the amount of emissions from the Project.

Consistency with Applicable Plans and Policies

A consistency analysis has been provided that describes the Project's conflict with applicable plans and policies adopted for the purpose of reducing GHG emissions, included in the applicable portions of CARB's *Climate Change Scoping Plan* and the 2020-2045 RTP/SCS. In addition, this analysis assesses the Project's consistency with other plans (e.g., the Green New Deal) for informational purposes.

OPR encourages lead agencies to make use of programmatic mitigation plans and programs from which to tier when they perform project analyses. Statewide, the Climate Change Scoping Plan provides measures to achieve AB 32 and SB 32 targets. On a regional level, SCAG's 2020-2045 RTP/SCS contains measures to achieve VMT reduction required by SB 375. The City does not have a programmatic mitigation plan from which to tier from, though it has adopted plans to help reduce GHG emissions.

As noted in CEQA Guidelines Section 15064.4(b)(3), consistency with such plans and policies "must reduce or mitigate the project's incremental contribution of greenhouse gas emissions." To demonstrate such incremental reductions, this chapter estimates reductions of project-related GHG emissions resulting from consistency with plans. Consistent with evolving scientific knowledge, approaches to GHG quantification may continue to evolve in the future.

A consistency analysis is provided below that describes the Project's consistency with performance-based standards in the applicable parts of CARB's *Climate Change Scoping Plan,* SCAG's 2020-2045 RTP/SCS, and the Green New Deal.

Quantification of Emissions

This analysis quantifies the Project's GHG emissions for information purposes, considering the GHG reduction features that would be incorporated into the Project's design. It relies on the California Emissions Estimator Model® (CalEEMod) is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California, who provided data (e.g., emission factors, trip lengths, meteorology, source inventory) to account for local requirements and conditions. The model is considered by SCAQMD to be an accurate and comprehensive tool for quantifying air quality and GHG impacts from land use projects throughout California.[42]

This analysis quantifies the Project's emissions and compares them to a Project without Reduction Features scenario, as defined by CARB's most updated projections for AB 32 and SB 32. This comparison is included for informational purposes to disclose the relative carbon efficiency of the Project and to determine if there would be a reduction in the Project's incremental contribution of GHG emissions based on compliance with regulations and requirements adopted to implement plans for reducing GHG emissions. The Project Without Reduction Features scenario does not consider site-specific conditions, Project design features, or prescribed mitigation measures. This approach is consistent with the concepts used in the CARB's *Climate Change Scoping Plan* for the implementation of AB 32. This methodology is used to analyze consistency with applicable GHG reduction plans and policies and demonstrate the efficacy of the measures contained therein, but it is not a threshold of significance. The Project Without Reduction Features scenario is similar to the approach currently used by the City with respect to evaluating a proposed development project's consistency with CARB's Scoping Plans. Currently, the City evaluates the proposed project under two scenarios—one scenario without GHG reduction measures (akin to the Project Without Reduction Features scenario) and a second scenario with GHG reduction measures.

The Project without Reduction Features scenario also does not account for energy efficiency measures that would go beyond Title 24 building standards or trip reductions from the co-location of uses and availability of public transit. However, the Project without Reduction Features does consider regulatory measures included in CARB's *Climate Change Scoping Plan,* SCAG's 2020-2045 RTP/SCS, and the Green New Deal.

Project GHG Emissions

The California Climate Action Registry (Climate Registry) General Reporting Protocol provides basic procedures and guidelines for calculating and reporting GHG emissions from a number of general and

[42] California Air Pollution Control Officers Association, California Emissions Estimator Model, CalEEMod™, www.caleemod.com, accessed May 25, 2016.

industry-specific activities.[43] The General Reporting Protocol is based on the "Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard" developed by the World Business Council for Sustainable Development and the World Resources Institute through "a multi-stakeholder effort to develop a standardized approach to the voluntary reporting of GHG emissions."[44] Although no numerical thresholds of significance have been developed, and no specific protocols are available for land use projects, the General Reporting Protocol provides a basic framework for calculating and reporting GHG emissions from the project. The information provided in this section is consistent with the General Reporting Protocol's reporting requirements.

The General Reporting Protocol recommends the separation of GHG emissions into three categories that reflect different aspects of ownership or control over emissions. They include the following:

- Scope 1: Direct, onsite combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel).
- Scope 2: Indirect, offsite emissions associated with purchased electricity or purchased steam.
- Scope 3: Indirect emissions associated with other emissions sources, such as third-party vehicles and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater).[45]

The General Reporting Protocol provides a range of basic calculations methods. However, the General Reporting Protocol calculations are typically designed for existing buildings or facilities. These retrospective calculation methods are not directly applicable to planning and development situations where buildings do not yet exist.

CARB recommends consideration of indirect emissions to provide a more complete picture of the GHG emissions footprint of a facility. Annually reported indirect energy usage aids the conservation awareness of a facility and provides information to CARB to be considered for future strategies.[46] For example, CARB has proposed requiring the calculation of direct and indirect GHG emissions as part of the AB 32 reporting requirements. Additionally, OPR has noted that lead agencies "should make a good-faith effort, based on available information, to calculate, model, or estimate… GHG emissions from a project, including the emissions associated with vehicular traffic, energy consumption, water usage and construction activities."[47] Therefore, direct and indirect emissions have been calculated for the Project.

A fundamental difficulty in the analysis of GHG emissions is the global nature of the existing and cumulative future conditions. Changes in GHG emissions can be difficult to attribute to a particular planning program or project because the planning effort or project may cause a shift in the locale for

43 California Climate Action Registry, General Reporting Protocol Version 3.1, January 2009.

44 Ibid.

45 Embodied energy is a scientific term that refers to the quantity of energy required to manufacture and supply to the point of use a product, material, or service.

46 California Air Resources Board, Initial Statement of Reasons for Rulemaking, Proposed Regulation for Mandatory Reporting of Greenhouse Gas Emissions Pursuant to the California Global Warming Solutions Act of 2006 (AB 32), Planning and Technical Support Division Emission Inventory Branch, October 19, 2007.

47 OPR Technical Advisory, p. 5.

some type of GHG emissions, rather than causing "new" GHG emissions. As a result, there is an inability to conclude whether a project's GHG emissions represent a net global increase, reduction, or no change in GHG emissions that would exist if the project were not implemented. The analysis of the Project's GHG emissions is particularly conservative in that it assumes all the GHG emissions are new additions to the atmosphere.

Construction

The Project's construction emissions were calculated using CalEEMod Version 2022.1.1.17. Details of the modeling assumptions and emission factors are provided in the Technical Appendix. CalEEMod calculates emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. GHG emissions during construction were forecasted based on the proposed construction schedule and included the mobile- source and fugitive dust emissions factors derived from CalEEMod.

The calculations of the emissions generated during Project construction activities reflect the types and quantities of construction equipment that would be used to remove existing pavement, grade, and excavate the Project Site; construct the proposed building and related improvements; and plant new landscaping within the Project Site.

In accordance with SCAQMD's guidance, GHG emissions from construction were amortized (i.e., averaged annually) over the lifetime of the Project. Because emissions from construction activities occur over a relatively short-term period, they contribute a relatively small portion of the overall lifetime GHG emissions for the Project. In addition, GHG emissions reduction measures for construction equipment are relatively limited. Thus, SCAQMD recommends that construction emissions be amortized over a 30-year project lifetime, so that GHG emissions reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies.[48] As a result, the Project's total construction GHG emissions were divided by 30 to determine an approximate annual construction emissions estimate comparable to operational emissions.

Operation

Similar to construction, CalEEMod is used to calculate potential GHG emissions generated by new land uses on the Project Site, including area sources, electricity, natural gas, mobile sources, stationary sources (i.e., emergency generators), solid waste generation and disposal, and water usage/wastewater generation.

Area source emissions include landscaping equipment that are based on the size of the land uses (e.g., square footage or dwelling unit), the GHG emission factors for fuel combustion, and the global warming potential (GWP) values for the GHG emissions emitted.

GHG emissions associated with electricity demand are based on the size of the land uses, the electrical demand factors for the land uses, the GHG emission factors for the electricity utility provider, and the GWP values for the GHG emissions emitted. As with electricity, the emissions of GHG emissions associated with natural gas combustion are based on the size of the land uses, the natural gas

48 SCAQMD Governing Board Agenda Item 31, December 5, 2008.

combustion factors for the land uses in units of million British thermal units (MMBtu), the GHG emission factors for natural gas combustion, and the GWP values for the GHG emissions emitted.[49]

Mobile source GHG emissions are calculated based on an estimate of the Project's annual VMT, which is derived using CalEEMod based on the trip generation provided in the Transportation Study prepared for the Project. The CalEEMod-derived VMT values account for the daily and seasonal variations in trip frequency and length associated with new employee and visitor trips to and from the Project Site and other activities that generate a vehicle trip.

Stationary source GHG emissions are based on proposed stationary sources (i.e., emergency generators) that would be provided on the Project Site.

GHG emissions associated with solid waste disposal are based on the size of the Project's proposed land uses, the waste disposal rate for the land uses, the waste diversion rate, the GHG emission factors for solid waste decomposition, and the GWP values for the GHG emissions emitted.

GHG emissions related to water usage and wastewater generation are based on the size of the land uses, the water demand factors, the electrical intensity factors for water supply, treatment, and distribution, electrical intensity factors for wastewater treatment, the GHG emission factors for the electricity utility provider, and the GWP values for the GHG emissions emitted.

The analysis of Project GHG emissions at buildout uses assumptions in CARB's EMFAC2021 model (1.0.1) and considers actions and mandates expected to be in force in 2024 (e.g., Pavley I Standards, full implementation of California's 33 percent RPS by 2030 and 50 percent by 2050 and the California LCFS). In addition, because mobile source GHG emissions are directly dependent on the number of vehicle trips, a decrease in the number of project-generated trips because of project features (e.g., proximity to transit) would provide a proportional reduction in mobile source GHG emissions compared to a generic project without such locational benefits. Calculation of Project GHG emissions conservatively did not include actions and mandates that are not already in place but are expected to be enforced in 2024 (e.g., Pavley II, which could further reduce GHG emissions from use of light-duty vehicles by 2.5 percent). Similarly, emissions reductions regarding Cap-and-Trade were not included in this analysis as they applied to other future reductions in non-transportation sectors. As for the Cap-and-Trade program's benefits for the transportation sector, the analysis utilizes CARB's assumptions in EMFAC2021 for any short-term reductions in GHG emissions. By not speculating on potential regulatory conditions, the analysis takes a conservative approach that likely overestimates the Project's GHG emissions at buildout, because the state is expected to implement several policies and programs aimed at reducing GHG emissions from the land use and transportation sectors to meet the state's long-term climate goals.

[49] Energy consumption estimates with CalEEMod 2022.1.1.17 are based on the California Energy Commission's 2020 Residential Appliance Saturation Survey (residential uses) and 2021 Commercial Forecast database, both of which reflected the 2019 Title 24 energy efficiency standards. These energy consumption estimates were adjusted to reflect the 2022 Title 24 standards that cumulatively produce a 0.49 percent reduction in electricity use and 0.45 percent reduction in natural gas use when compared to the 2019 standards.

There are no GHG emissions thresholds adopted by the SCAQMD that are applicable to the Project. In 2008, SCAQMD released draft guidance regarding interim CEQA GHG significance thresholds.[50] Within its October 2008 document, the SCAQMD proposed the use of a percent emission reduction target to determine significance for commercial/residential projects that emit greater than 3,000 $MTCO_2e$ per year. Under this proposal, such commercial and residential projects would have been assumed to have a less than significant impact on climate change. However, this proposed screening threshold was not adopted by the SCAQMD.

Consistency with Applicable Plans and Policies

A consistency analysis has been provided that describes the Project's compliance with or exceedance of performance-based standards, and consistency with applicable plans and policies adopted for the purpose of reducing GHG emissions, included in the applicable portions of the *Climate Change Scoping Plan*, the 2020-2045 RTP/SCS, and the Green New Deal.

As part of the *Climate Change Scoping Plan*, a statewide emissions inventory was developed as required by AB 32 which directs CARB to develop and track GHG emissions reductions to document progress towards the state GHG target. The emissions inventory also considers GHG emissions reduction measures developed by CARB to achieve state targets. Consistency with the *Climate Change Scoping Plan* is evaluated by comparing the Project's GHG reduction measures to those contained in the Scoping Plan.

As noted in CEQA Guidelines Section 15064.4(b)(3), consistency with such plans and policies "must reduce or mitigate the project's incremental contribution of greenhouse gas emissions." To demonstrate such incremental reductions, this chapter estimates reductions of project-related GHG emissions resulting from consistency with plans. Consistent with evolving scientific knowledge, approaches to GHG quantification may continue to evolve in the future.

While there are many ways to quantify the efficiency of the GHG reduction measures provided for in the plans and policies, this analysis compares the Project's GHG emissions to the emissions that would be generated by the Project in the absence of any GHG reduction measures (i.e., the Project Without Reduction Features scenario). This approach is consistent with the concepts used in CARB's Climate Change Scoping Plan. This methodology is used to analyze consistency with applicable GHG reduction plans and policies and demonstrate the efficacy of the measures contained therein, but it is not a threshold of significance.

The analysis in this section includes potential emissions under a Project Without Reduction Features scenarios and from the Project at build-out based on actions and mandates expected to be in force in 2027. Early-action measures identified in the Climate Change Scoping Plan that have not been approved were not credited in this analysis. By not speculating on potential regulatory conditions, the analysis takes a conservative approach that likely overestimates the Project's GHG emissions at build-out. The Project Without Reduction Features scenario is used to establish a comparison with project-generated GHG emissions. The Project Without Reduction Features scenario does not consider site-specific conditions, project design features, or prescribed mitigation measures. As an example, a Project Without Reduction Features scenario would apply a base ITE trip-generation rate for the project and would not consider site-specific benefits resulting from the proximity to public transportation.

Thresholds of Significance

State CEQA Guidelines Appendix G

In accordance with Appendix G of the State CEQA Guidelines (Appendix G), a project would have a significant impact related to GHG emissions if the project would do the following:

a) Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment;

b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHG emissions.

The Project would comply with all applicable state and local regulatory requirements, including the provisions set forth in the City's Green Building Ordinance. Also, a TDM Program would be developed and would include strategies to promote non-auto travel and reduce the use of single-occupant vehicle trips. Furthermore, the Project would also include sustainability features related to water conservation and waste reduction.

Project Impacts

Consistency with Applicable Plans and Policies

The discussion below describes the extent the Project complies with or exceeds the performance-based standards included in the regulations outlined in the *Climate Change Scoping Plan* and the 2020-2045 RTP/SCS, each of which identify GHG-reducing measures that directly and indirectly apply to the Proposed Project. This analysis also evaluates the Project's consistency with City plans and programs that generally address climate change. As shown herein, the Project would be consistent with the applicable GHG reduction plans and policies.

Statewide: Climate Change Scoping Plan

As discussed above, jurisdictions that want to take meaningful climate action (such as preparing a non-CEQA-qualified CAP or as individual measures) aligned with the State's climate goals in the absence of

a CEQA-qualified CAP should also look to the three priority areas (transportation electrification, VMT reduction, and building decarbonization). To assist local jurisdictions, the 2022 Scoping Plan Update presents a non-exhaustive list of impactful GHG reduction strategies that can be implemented by local governments within the three priority areas (Priority GHG Reduction Strategies for Local Government Climate Action Priority Areas).[51] A detailed assessment of goals, plans, policies implemented by the City which would support the GHG reduction strategies in the three priority areas is provided below. In addition, further details are provided regarding the correlation between these reduction strategies and applicable actions included in Table 2-1 (page 72) of the Scoping Plan (Actions for the Scoping Plan Scenario).

Transportation Electrification

The priority GHG reduction strategies for local government climate action related to transportation electrification are discussed below and would support the Scoping Plan action to have 100 percent of all new passenger vehicles to be zero-emission by 2035 (see Table 2-1 of the Scoping Plan).

- **Convert local government fleets to zero-emission vehicles (ZEV)**

CARB approved the Advanced Clean Cars II rule which codifies Executive Order N-79-20 and requires 100 percent of new cars and light trucks sold in California be zero-emission vehicles by 2035. The State has also adopted AB 2127, which requires the CEC to analyze and examine charging needs to support California's EVs in 2030. This report would help decision-makers allocate resources to install new EV chargers where they are needed most.

The City of LA Green New Deal (formerly Sustainable City pLAn 2019) identifies a number of measures to reduce VMT and associated GHG emissions. Such measures that would support the local reduction strategy include converting all city fleet vehicles to zero emission where technically feasible by 2028. Starting in 2021, all vehicle procurement followed a "zero emission first" policy for City fleets. The Green New Deal also establishes a target to increase the percentage of zero emission vehicles to 25 percent by 2025, 80 percent by 2035 and 100 percent by 2050. In order to achieve this goal, the City would build 20 Fast Charging Plazas throughout the City. The City would also install 28,000 publicly available chargers by 2028 to encourage adoption of ZEVs.

The City's goals of converting the municipal fleet to zero emissions and installation of EV chargers throughout the City would be consistent with the Scoping Plan goals of transitioning to EVs. Although this measure mainly applies to City fleets, the Project would not conflict with these goals by installing 26 EV charging stations and pre-wiring 66 other spaces for future charging facilities.

- **Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide (such as building standards that exceed state building codes, permit**

[51] *Table 1 of Appendix D, 2022 Scoping Plan Update, November 2022.*

streamlining, infrastructure siting, consumer education, preferential parking policies, and ZEV readiness plans)

The State has adopted AB 1236 and AB 970, which require cities to adopt streamline permitting procedures for EV charging stations. As a result, the City updated Section IX of the LAMC, which requires most new construction to designate 30 percent of new parking spaces as capable of supporting future electric vehicle supply equipment (EVSE). This would exceed the CALGreen 2022 requirements of 20 percent of new parking spaces as EV capable. The ordinance also requires new construction to install EVSE at ten percent of total parking spaces. This requirement also exceeds the CALGreen 2022 requirements of installing EVSE for 25 percent of EV capable parking spaces which is approximately five percent of total parking spaces. The City has also implemented programs to increase the amount of EV charging on city streets, EV carshare, and incentive programs for apartments to be retrofitted with EV chargers.

The City's goals of installing EV chargers throughout the City would be consistent with the Scoping Plan goals of transitioning to EVs. The Project would contribute to this by installing 26 EV charging stations and pre-wiring 66 other spaces for future charging facilities.

VMT Reduction

The priority GHG reduction strategies for local government climate action related to VMT reduction are discussed below and would support the Scoping Plan action to reduce VMT per capita 25 percent below 2019 levels by 2030 and 30 percent below 2019 levels by 2045.

- **Reduce or eliminate minimum parking standards in new developments**

- **Implement parking pricing or transportation demand management pricing strategies**

The City of Los Angeles Mobility Plan 2035 which is the Transportation Element of the City's General Plan contains measures and programs related to VMT reduction throughout the City. With regard to parking standards, the implementation of Mobility Plan Programs and AB 2097 reduce or eliminate parking requirements for certain types of developments near transit (within half a mile). These reduction strategies and TDM programs would serve to reduce minimum parking standards and reduce vehicle trips.

The Project would limit parking to 263 spaces for the 327 residences and 9,462 square feet of commercial space. This will lower car ownership levels for residents and encourage workers and visitors to not drive to the commercial uses in the development. Therefore, the Project would be consistent and not conflict with this reduction strategy to reduce parking standards.

- **Implement Complete Streets policies and investments, consistent with general plan circulation element requirements**

The City of Los Angeles Mobility Plan 2035 established a "Complete Streets" planning framework which resulted in the City of Los Angeles Complete Streets Design Guide in 2015, consistent with California's

Complete Streets Act of 2008. A supplemental update to the Complete Streets Design Guide was adopted in 2020.

The Complete Streets Design Guide provides a number of measures to increase public access to electric shuttles, car sharing and walking. The Design Guide establishes guidelines for establishing on-street parking for car sharing. The City has also established BlueLA which is a car sharing network consisting of more than 100 electric vehicles located throughout the City. In addition, under the Green New Deal, the City would install 28,000 publicly available chargers by 2028 and introduce 135 new electric DASH buses.

This reduction strategy mainly applies to City traffic circulation. Nevertheless, the Project would include pedestrian network improvements to encourage active transportation, including street-facing entrances along Sunset Boulevard and a series of internal pedestrian walkways throughout the Project Site. As such, the Project would not conflict with implementation of Complete Streets policies.

- **Increase access to public transit by increasing density of development near transit, improving transit service by increasing service frequency, creating bus priority lanes, reducing or eliminating fares, microtransit, etc.**

- **Increase public access to clean mobility options by planning for and investing in electric shuttles, bike share, car share, and walking**

- **Amend zoning or development codes to enable mixed-use, walkable, transit-oriented, and compact infill development (such as increasing the allowable density of a neighborhood)**

- **Preserve natural and working lands by implementing land use policies that guide development toward infill areas and do not convert "greenfield" land to urban uses (e.g., green belts, strategic conservation easements).**

These reduction strategies are supported through implementation of SB 375 which requires integration of planning processes for transportation, land-use and housing and generally encourages jobs/housing proximity, promote transit-oriented development (TOD), and encourages high-density residential/ commercial development along transit corridors. To implement SB 375 and reduce GHG emissions by correlating land use and transportation planning, SCAG adopted the 2020–2045 RTP/SCS, also referred to as Connect SoCal. The 2020–2045 RTP/SCS' "Core Vision" prioritizes the maintenance and management of the region's transportation network, expanding mobility choices by co-locating housing, jobs, and transit, and increasing investment in transit and complete streets. Please refer below for additional discussion of consistency with the 2020-2045 RTP/SCS.

On a local level, the City has developed the Complete Streets Design Guide which provides a number of reduction strategies to increase public access to electric shuttles, car sharing and walking, continues to build out networks in the Mobility Plan for pedestrians, bicyclists, and transit users, has implemented

an EV car sharing network, and is working towards increasing publicly available chargers, and introducing new electric DASH buses.

The Project is an infill development in an urbanized area that would concentrate new development consistent with the growth pattern encouraged in the RTP/SCS. The Project's convenient access to public transit and opportunities for walking and biking would reduce vehicle trips, VMT, and GHG emissions. The Project Site's mixed-use development plan will capture some trips normally destined for off-site locations and the proximity to commercial uses and services would encourage residents and employees to walk to nearby destinations to meet their shopping needs, thereby reduce VMT and GHG emissions. Therefore, the Project would be consistent with these reduction strategies.

California continues to experience a severe housing shortage. The State must plan for more than 2.5 million residential units over the next eight years, and no less than one million of those residential units must be affordable to lower-income households.[52] This represents more than double the housing planned for during the last eight years.[53] The housing crisis and the climate crisis must be confronted simultaneously, and it is possible to address the housing crisis in a manner that supports the State's climate and regional air quality goals.[54] CAPCOA's Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (CAPCOA's Handbook) provides a VMT reduction measurement for incorporation of low-income housing. Measure T-4 (Integrate Affordable and Below Market Rate Housing) shows a 28.6 percent reduction in VMT for low-income units in comparison to market rate units.

As discussed above, the City's Housing Element of the General Plan provides planning guidance in meeting housing needs identified in the SCAG Regional Housing Needs Assessment (RHNA). The current RHNA goal for affordable housing within the City is approximately forty percent of new construction. However, the City's projections show affordable housing comprising twenty percent of new construction, which falls short of the forty percent RHNA goal. In order to address this shortfall, the Housing Element identifies measures to encourage development of affordable housing such as revising density bonuses for affordable housing; identify locations which are ideal for funding programs to meet low-income housing goals; and rezone areas to encourage low-income housing. The Housing Element estimates that implementation of these measures would increase housing production at all income ranges compared to previous cycles.

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52 *California Department of Housing and Community Development. 2022. Statewide Housing Plan. Available at www.hcd.ca.gov/docs/statewide-housing-plan.pdf.*

53 *Ibid.*

54 *Elkind, E. N., Galante, C., Decker, N., Chapple, K., Martin, A., & Hanson, M. 2017. Right Type, Right Place: Assessing the Environmental and Economic Impacts of Infill Residential Development through 2030. Available at https://ternercenter.berkeley.edu/research-and-policy/right-type-right-place/.*

The City's 20-percent goal of low-income housing for new construction is applicable on a citywide basis and not applicable to an individual project. The Planning Department Housing Division found based, on market studies and experiences of other agencies, that mandating 20-percent affordable housing on individual projects is likely to reduce overall housing production, including low income housing, in the City and would be contrary to City and State policies. Pushing more housing outside of the City would be contrary to the Scoping Plan, as infill housing production in the City, which is a highly urbanized city with billions in transit infrastructure, lower average VMT than the SCAG region, is called for in the 2022 Scoping Plan.

The Project would expand the supply and diversity of housing in the City of Los Angeles. Within the 327 multi-family residences, 41 would be affordable units with additional live/work spaces that provide options for sustainable living. Further, the Project's location in an urbanized area with access to transportation alternatives would help promote transit use, while the limited parking would support reduced car ownership that can help reduce living costs and further the City's goals for promoting affordable housing. Residents and tenants will be provided with information about alternative transportation modes upon moving in, which could reduce vehicle use.

Building Decarbonization

The priority GHG reduction strategies for local government climate action related to electrification are discussed below and would support the Scoping Plan actions regarding meeting increased demand for electrification without new fossil gas-fire resources and all electric appliances beginning in 2026 (residential) and 2029 (commercial) (see Table 2-1 of the Scoping Plan).

- **Adopt all-electric new construction reach codes for residential and commercial uses**

California's transition away from fossil fuel–based energy sources will bring the project's GHG emissions associated with building energy use down to zero as our electric supply becomes 100 percent carbon free. California has committed to achieving this goal by 2045 through SB 100, the 100 Percent Clean Energy Act of 2018. SB 100 strengthened the State's Renewables Portfolio Standard (RPS) by requiring that 60 percent of all electricity provided to retail users in California come from renewable sources by 2030 and that 100 percent come from carbon-free sources by 2045. The land use sector will benefit from RPS because the electricity used in buildings will be increasingly carbon-free, but implementation does not depend (directly, at least) on how buildings are designed and built.

The City has updated the LAMC with requirements for all new buildings, with some exceptions to be all-electric, which will reduce GHG emissions related to natural gas combustion. Space heating, water heating and cooking for non-restaurant uses would be required to be powered by electricity. In future years, the LADWP will be required to increase the amount of renewable energy in the power mix to comply with SB 100 requirements. The combination of the all-electric LAMC regulations and increasing availability of renewable energy will serve to reduce GHG emissions from sources traditionally powered by natural gas.

The Project would be required to comply with the LAMC and would not include natural gas uses in residential, retail, and office uses. The restaurant uses are exempt from LAMC provisions, but would represent a small portion of the development. The Project would also include 26 electric vehicle charging stations and 66 more spaces with conduits and supplies for future charging stations. Therefore, the Project would be consistent with the LAMC and not conflict with State and local decarbonization objectives.

- **Adopt policies and incentive programs to implement energy efficiency retrofits for existing buildings, such as weatherization, lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as Energy Star-rated equipment and equipment controllers)**

This reduction strategy would support the Scoping Plan action regarding electrification of appliances in existing residential buildings (see Table 2-1 of the Scoping Plan). The City and Los Angeles Department of Water and Power has established rebate programs to promote use of energy-efficient products and home upgrades. Under the LADWP's Consumer Rebate Program (CRP), residential customers would receive rebates for energy-efficient upgrades such as Cool Roofs, Energy Star Windows, HVAC upgrades, pool pumps and insulation upgrades. Such upgrades would serve to reduce wasteful energy and water usage and associated GHG emissions.

While the Project would not involve retrofit of existing buildings, it would design the HVAC system to be compliant with Title 24 and green building codes for energy efficiency.

Table 6 evaluates the Project's consistency with applicable reduction actions/strategies by emissions source category outlined in the *2022 Climate Change Scoping Plan Update*.[55] When compared to SB 32, the Proposed Project would be consistent with its objectives and the GHG reduction-related actions and strategies of the 2022 Scoping Plan. Table 6 confirms that the Proposed Project is consistent with the Scoping Plan's focus on increasing renewable energy use, imposing tighter limits on the carbon content of gasoline and diesel fuel, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries. Although a number of these strategies are currently promulgated, some have not yet been formally proposed or adopted. It is expected that these measures or similar actions to reduce GHG emissions will be adopted as required to achieve statewide GHG emissions targets. Based on the following analysis, the Project would be consistent with the State's Climate Change Scoping Plan's objective of achieving carbon neutrality statewide by 2045 and reducing 2030 GHG emissions in accord with SB 32.

Based on the analysis in Table 6, the Project would be consistent with the State's 2022 Climate Change Scoping Plan and, thus, impacts related to consistency with the Scoping Plan would be less than significant impact.

55 An evaluation of stationary sources is not necessary as the stationary sources emissions will be created by emergency generators that would only be used in an emergency.

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Smart Growth / Vehicle Miles Traveled (VMT)	VMT per capita reduced 25% below 2019 levels by 2030, and 30% below 2019 levels by 2045	SB 375: Reduce demand for fossil transportation fuels and GHG	**No Conflict.** The Project represents a mixed-use infill development within an urbanized area that would concentrate new residences and commercial uses within an HQTA and reduce per capita VMT and GHG emissions. The Project would be consistent with SB 375 and its VMT reduction goals, as well as the GHG and transportation goals of the 2020-2045 RTP/SCS.
Light-duty Vehicle (LDV) Zero Emission Vehicles (ZEVs)	100% of Light Duty Vehicle sales are ZEV by 2035	EO N-79-20: Reduce demand for fossil transportation fuels and GHGs, and improve air quality. In November 2022, the Advanced Clean Cars II regulations took effect, setting ZEV and plug-in hybrid vehicle sales requirements for model years 2026 to 2035 (ZEV program) and increasingly stringent emission standards (LEV program) to ensure automakers phase out sales of internal combustion engine vehicles.	**No Conflict.** Emissions from vehicle engines from the Project would be regulated by State regulations governing technology and cleaner emissions.
Truck ZEVs	100% of medium-duty (MDV)/HDV sales are ZEV by 2040 (AB 74 University of California Institute of Transportation Studies [ITS] report)	EO N-79-20: Reduce demand for fossil transportation fuels and GHGs, and improve air quality. CARB's Advanced Clean Truck Regulation accelerates the transition of zero-emission medium- and heavy-duty vehicles from 2024 to 2035. CARB also adopted the Innovative Clean Transit measure in 2018 that requires all public transit agencies to transition to zero emission fleets.	**No Conflict.** While the Project would not generate substantial medium- and heavy-duty truck traffic, it would not impede the advancement of cleaner trucks over time.

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Aviation	20% of aviation fuel demand is met by electricity (batteries) or hydrogen (fuel cells) in 2045. Sustainable aviation fuel meets most or the rest of the aviation fuel demand that has not already transitioned to hydrogen or batteries.	CARB focuses on reducing emissions from ground support equipment and airport transit vehicles. It is also working with national and international entities to tighten aircraft emission standards. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** While the Project would not directly impact aviation industry, it would not impede the advancement of a cleaner aviation industry over time.
Ocean-going Vessels (OGVs)	2020 OGV At-Berth regulation fully implemented, with most OGVs utilizing shore power by 2027. 25% of OGVs utilize hydrogen fuel cell electric technology by 2045.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory In 2015, Executive Order B-32-15 called. For a less polluting freight transport system that addressed OGVs, transport refrigeration units, and clean trucks.	**No Conflict.** While the Project would not directly impact trade or OGVs, it would not impede the advancement of a cleaner on- or off-shore sources over time.
Port Operations	100% of cargo handling equipment is zero-emission by 2037. 100% of drayage trucks are zero emission by 2035.	Executive Order N-79-20: Reduce demand for petroleum fuels and GHGs, and improve air quality. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory. In 2015, Executive Order B-32-15 called. For a less polluting freight transport system that addressed OGVs, transport refrigeration units, and clean trucks.	**No Conflict.** While the Project would not directly impact trade or port operations, it would not impede the advancement of a cleaner on-shore sources over time.
Freight and Passenger rail	100% of passenger and other locomotive sales are ZEV by 2030. 100% of line haul locomotive sales are ZEV by 2035. Line haul and passenger rail rely primarily on hydrogen fuel cell technology, and others primarily utilize electricity.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory In 2015, Executive Order B-32-15 called. For a less polluting freight transport system that addressed OGVs, transport refrigeration units, and clean trucks.	**No Conflict.** While the Project would not directly impact freight or passenger rail, it would not impede the advancement of a cleaner locomotives over time. The Project's land uses would not include freight transportation or warehousing that would be subject to the California Sustainable Freight Action Plan. Therefore, the Project would not interfere or impede the

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
			implementation of the Sustainable Freight Action Plan.
Oil and Gas Extraction	Reduce oil and gas extraction operations in line with petroleum demand by 2045.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** While the Project would not directly impact oil extraction, it would help reduce demand for petroleum products from energy, area, and mobile sources.
Petroleum Refining	CCS on majority of operations by 2030, beginning in 2028 Production reduced in line with petroleum demand.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** While the Project would not directly impact oil extraction, it would help reduce demand for petroleum products that require refining.
Electricity Generation	Sector GHG target of 38 $MMTCO_2e$ in 2030 and 30 $MMTCO_2e$ in 2035. Retail sales load coverage 20 gigawatts (GW) of offshore wind by 2045. Meet increased demand for electrification without new fossil gas-fired resources.	SB 350 and SB 100: Reduce GHGs and improve air quality. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of electricity generation.
New Residential and Commercial Buildings	All electric appliances beginning 2026 (residential) and 2029 (commercial), contributing to 6 million heat pumps installed statewide by 2030.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would incorporate appliances that are consistent with Title 24 and Green Building requirements and consistent with the reduction of residential energy use. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems.
Existing Residential Buildings	80% of appliance sales are electric by 2030 and 100% of	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would comply with Title 24 and Green

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	appliance sales are electric by 2035. Appliances are replaced at end of life such that by 2030 there are 3 million all-electric and electric-ready homes—and by 2035, 7 million homes—as well as contributing to 6 million heat pumps installed statewide by 2030.		Building requirements during construction and any future retrofit or appliance replacement requirements.
Existing Commercial Buildings	80% of appliance sales are electric by 2030, and 100% of appliance sales are electric by 2045. Appliances are replaced at end of life, contributing to 6 million heat pumps installed statewide by 2030.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not interfere with any future requirements to retrofit commercial appliances.
Food Products	7.5% of energy demand electrified directly and/or indirectly by 2030; 75% by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for food production.
Construction Equipment	25% of energy demand electrified by 2030 and 75% electrified by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for construction equipment.
Chemicals and Allied Products; Pulp and Paper	Electrify 0% of boilers by 2030 and 100% of boilers by 2045. Hydrogen for 25% of process heat by 2035 and 100% by 2045 Electrify 100% of other energy demand by 2045.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for boilers.
Stone, Clay, Glass, and Cement	CCS on 40% of operations by 2035 and on all facilities by 2045 Process emissions reduced through alternative materials and CCS	SB 596: Reduce demand for fossil energy, process emissions, and GHGs, and improve air quality. AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for stone, clay, glass, and cement facilities.

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Other Industrial Manufacturing	0% energy demand electrified by 2030 and 50% by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not directly impact the sources of energy for industrial facilities.
Combined Heat and Power	Facilities retire by 2040.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not affect facilities that produced heat and power.
Agriculture Energy Use	25% energy demand electrified by 2030 and 75% by 2045	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory	**No Conflict.** The Project would not affect directly agricultural sources of energy.
Low Carbon Fuels for Transportation	Biomass supply is used to produce conventional and advanced biofuels, as well as hydrogen.	AB 197: direct emissions reductions for sources covered by the AB 32 Inventory In November 2022, the Advanced Clean Cars II regulations took effect, setting low emission standards for transportation.	**No Conflict.** This regulatory program applies to fuel suppliers, not directly to land use development. GHG emissions related to vehicular travel associated with the Project would benefit from this regulation because fuel used by Project-related vehicles would be required to comply with the LCFS. Mobile source GHG emissions estimates were calculated using CalEEMod that includes implementation of the LCFS into mobile source emission factors. The current LCFS targets a 20% reduction in CI from a 2010 baseline by 2030. GHG emissions generated by Project-related vehicular travel would benefit from the Advanced Clean Cars Program.
Low Carbon Fuels for Buildings and Industry	In 2030s biomethane blended in pipeline Renewable hydrogen blended in fossil gas pipeline at 7% energy (~20% by volume), ramping up between 2030 and	SB 350: The Clean Energy and Pollution Reduction Act of 2015 increases the standards of the California RPS program by requiring that the amount of electricity generated and sold to retail customers per year from eligible renewable energy	**No Conflict.** The Project would comply with this this action/strategy being located within the LADWP service area and would comply with CalGreen and Title 24 energy

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	2040 In 2030s, dedicated hydrogen pipelines constructed to serve certain industrial clusters	resources be increased to 50 percent by 2030. Required measures include increasing RPS to 50 percent of retail sales by 2030, establishing annual targets for statewide energy efficiency that achieve a cumulative doubling of statewide energy efficiency savings in electricity and natural gas end uses by 2030. SB 100: The California Renewables Portfolio Standard Program (2018) requires retail sellers to procure renewable energy that is at least 50 percent by December 31, 2026 and 60 percent by December 31, 2030. It requires local publicly owned electric utilities to procure a minimum quantity of electricity from renewable energy resources of 44 percent of retail sales by December 31, 2024 and 60 percent by December 31, 2030.	efficiency standards. LADWP must generate electricity that would increase renewable energy resources to 33 percent by 2020 and 50 percent by 2030. As LADWP would provide electricity service to the Project Site, by 2030 the Project would use electricity consistent with the requirements of SB 350. LADWP's 2021 LA100 Renewable Energy Study found that 45 percent of LADWP's electricity was from renewable sources in 2020 and that 100 percent of electricity could be achieved by 2045. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems. As required under SB 350, doubling of the energy efficiency savings from retail customers by 2030 would primarily rely on the existing suite of building energy efficiency standards under CCR Title 24, Part 6 (consistency with this regulation is discussed below) and utility-sponsored programs such as rebates for high-efficiency appliances, HVAC systems, and insulation.

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Non-combustion Methane Emissions	Increase landfill and dairy digester methane capture. Some alternative manure management deployed for smaller dairies Moderate adoption of enteric strategies by 2030 Divert 75% of organic waste from landfills by 2025. Oil and gas fugitive methane emissions reduced 50% by 2030 and further reductions as infrastructure components retire in line with reduced fossil gas demand	SB 1383 (2016) requires CARB to set 2030 emission reduction targets of 40 percent for methane and hydrofluorocarbons and 50 percent black carbon emissions below 2013 levels. The Project would comply with the CARB SLCP Reduction Strategy by using HVAC equipment with lower GWP refrigerants.	**No Conflict.** This program applies to State regulators looking to reduce methane emissions from landfill and dairy facilities and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to reduce such pollutants.
High GWP Potential Emissions	Low GWP refrigerants introduced as building electrification increases, mitigating HFC emissions	SB 605 (2014) directed CARB to develop a comprehensive Short-Lived Climate Pollutant (SLCP) strategy.	**No Conflict.** This program applies to State regulators looking to reduce high GWP refrigerants and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to reduce such pollutants.
Natural and Working Lands	Conserve 30% of the state's NWL and coastal waters by 2030. Implement near- and long-term actions to accelerate natural removal of carbon and build climate resilience in our forests, wetlands, urban greenspaces, agricultural soils, and land conservation activities in ways that serve all communities—and in particular low-income, disadvantaged, and vulnerable communities.	EO N-82-20 and SB 27: CARB to include an NWL target in the Scoping Plan. AB 1757: Establish targets for carbon sequestration and nature-based climate solutions. SB 1386: NWL are an important strategy in meeting GHG reduction goals.	**No Conflict.** This program applies to State regulators governing Natural and Working Lands and is not directly related to development of the Project. However, the Project would not interfere or impede implementation of the Integrated Natural and Working Lands Implementation Plan, EO N-82-20, SB 27, or SB 1386.

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
Forests and Shrublands	At least 2.3 million acres treated statewide annually in forests, shrublands/chaparral, and grasslands, comprised of regionally specific management strategies that include prescribed fire, thinning, harvesting, and other management actions. No land conversion of forests, shrublands/chaparral, or grasslands.	Restore health and resilience to overstocked forests and prevent carbon losses from severe wildfire, disease, and pests. Improve air quality and reduce health costs related to wildfire emissions. Improve water quantity and quality and improve rural economies. Provide forest biomass for resource utilization. EO B-52-18: CARB to increase the opportunity for using prescribed fire. AB 1504 (Skinner, Chapter 534, Statutes of 2010): CARB to recognize the role forests play in carbon sequestration and climate mitigation.	**No Conflict.** This program applies to State regulators governing forest and shrubland management and is not directly related to development of the Project. However, the Project would not interfere or impede implementation of EO B-52-18, AB 1504, or the Forest Carbon Plan.
Grasslands	At least 2.3 million acres treated includes increased management of grasslands interspersed in forests to reduce fuels surrounding communities using management strategies appropriate for grasslands. No land conversion of forests, shrublands/chaparral, or grasslands.		**No Conflict.** This program applies to State regulators of grasslands and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to reduce fuels in grasslands surrounding communities.
Croplands	Implement climate smart practices for annual and perennial crops on ~80,000 acres annually. Land easements/ conservation on annual crops at ~5,500 acres annually. Increase organic agriculture to 20% of all cultivated acres by 2045 (~65,000 acres annually).	SB 859: Recognizes the ability of healthy soils practices to reduce GHG emissions from agricultural lands.	**No Conflict.** This program applies to State regulators overseeing croplands and is not directly related to development of the Project. However, the Project would not interfere or impede SB 859 and efforts to increase organic agriculture and conserve croplands.
Developed Lands	Increase urban forestry investment by 200% above	AB 2251 (Calderon, Chapter 186, Statutes of 2022): Increase urban tree canopy 10% by 2035.	**No Conflict.** This program applies to State regulators addressing urban

Table 6
Consistency Analysis—2022 Scoping Plan Update

Sector	Actions and Strategies	Statutes, Executive Orders, Other Direction	Project Consistency Analysis
	current levels and utilize tree watering that is 30% less sensitive to drought. Establish defensible space that accounts for property boundaries.		forestry and is not directly related to development of the Project. However, the Project would not interfere or impede implementation of AB 2251 and efforts to increase the urban canopy.
Wetlands	Restore 60,000 acres of Delta wetlands		**No Conflict.** This program applies to State regulators restoring Delta wetlands and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to restore wetland ecologies.
Sparsely Vegetated Lands	Land conversion at 50% of the Reference Scenario land conversion rate.		**No Conflict.** This program applies to State regulators slowing the conversion of sparsely vegetated lanes and is not directly related to development of the Project. However, the Project would not interfere or impede efforts to slow urban conversion of such lands.
Cap-and-Trade Program	Implement the post-2020 Cap-and-Trade Program with declining annual caps.	AB 398 was enacted in 2017 to extend and clarify the role of the state's Cap-and-Trade Program from January 1, 2021, through December 31, 2030. As part of AB 398, refinements were made to the Cap-and-Trade program to establish updated protocols and allocation of proceeds to reduce GHG emissions.	**Not Applicable.** This applies to the market-based program to reduce GHG emissions over time and is not applicable to a development project.

Source: DKA Planning, 2023 based on California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality, Scoping Plan Scenario.

Based on the consistency discussion in Table 6, the Project would be consistent with the State's Climate Change Scoping Plan and thus, Project impacts related to consistency with the Scoping Plan would be less than significant impact.

In addition to the Project's consistency with applicable GHG emissions reduction regulations and strategies, the Project would not conflict with future anticipated statewide GHG emissions reductions goals. Specifically, CARB has outlined strategies for achieving the 2030 reduction target of 40 percent below 1990 levels, as mandated by SB 32 as well as carbon neutrality by 2045. These strategies include renewable resources for the state's electricity, increasing the fuel economy of vehicles and the penetration of zero-emission or hybrid vehicles into the vehicle fleet, reducing the rate of growth in VMT, supporting high-speed rail and other alternative transportation options, and use of high-efficiency appliances, water heaters, and HVAC systems.

The Project would also benefit from statewide and utility-provider efforts towards increasing the portion of electricity provided from renewable resources. SCE has committed to increasing renewable sources that exceed the Renewables Portfolio Standard requirements. The Project would include energy efficient mechanical systems, energy efficient glazing and window frames, Energy-Star appliances to be installed on-site, and the use of high-efficiency lighting. The Project would also benefit from statewide efforts to improve fuel economy of vehicles. The Project would also help reduce VMT growth given its design and complementary mix of uses at an infill site that is accessible to existing public transit. This includes Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region.

Regional: 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

Table 7 provides a comparison of the Project against the GHG-related performance measures of the 2020-2045 RTP/SCS.

Table 7
Consistency with the 2020 RTP/SCS

Objectives	Consistency Analysis[a]
Increase percentage of region's total household growth occurring within HQTAs.	**No Conflict.** The Project would result in a net increase of 327 households in an HQTA and would expand the diversity of housing choices, with 41 affordable units and additional live/work spaces that provide options for sustainable living.
Increase percent of the region's total employment growth occurring within HQTAs.	**No Conflict.** The mixed-use project would also include commercial spaces on the ground level that would increase service-related jobs on the Project Site and support the region's efforts to create jobs-housing balance in HQTAs.
Decrease total acreage of greenfield or otherwise rural land uses converted to urban use.	**Consistent.** The Project is an infill development that would reduce the demand for sprawl development in greenfield or rural areas on the fringes of Southern California.
Decrease daily vehicle miles driven per person.	**Consistent.** The Project is an infill development amid heavy transit infrastructure that includes access to Metro local bus

Objectives	Consistency Analysis[a]
	services. The limited parking for 263 vehicles would reduce car ownership for residents that would further reduce daily VMT per capita.
Decrease average daily distance traveled for work and non-work trips (in miles)	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor with a heavy density of housing and jobs amid transit infrastructure that would reduce per capita travel distances.
Increase percentage of work and non-work trips which are less than 3 miles in length.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor with a heavy density of housing and jobs amid transit infrastructure that would increase the rate of travel less than three miles in length.
Increase share of short trip lengths for commute purposes.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor with a heavy density of housing and jobs amid transit infrastructure that would shorten commute trips.
Decrease average minutes of delay experienced per capita due to traffic congestion.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location.
Decrease excess travel time resulting from the difference between a reference speed and actual speed.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location. As such, the Project would help reduce recurrent traffic congestion delay for general vehicles.
Decrease excess travel time for heavy-duty trucks result from the difference between reference speed and actual speed.	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location. As such, the Project would help reduce recurrent traffic congestion delay for heavy-duty trucks.
Increase percentage of PM peak period trips completed within 45 minutes by travel mode.	**Consistent.** The Project is an infill development that will reduce the rate of growth in auto traffic and congestion by virtue of its transit accessibility and lower car ownership rates due to the limited parking. Because the Project's location will attract travel to and from the Sunset Boulevard corridor and local community, the share of PM peak period trips that are less than 45 minutes would increase when compared to an urban sprawl location.
Increase percentage of trips that use transit (work and all trips)	**Consistent.** The Project is an infill development with convenient access to public transit options, include Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project

Objectives	Consistency Analysis[a]
	Site, where the A (Blue) and B (Red) Lines provide rail access to the region.
Decrease average travel time to work (all modes)	**Consistent.** The Project is an infill development that will reduce the rate of growth in auto traffic and congestion by virtue of its transit and active transportation mode share given its location. Because the Project's location will attract travel to and from the Sunset Boulevard corridor and local community, average travel time to work should be reduced when compared to an urban sprawl location.
Increase percentage of trips using either walking or biking (by trip type)	**Consistent.** The Project is located on the Sunset Boulevard corridor, with density of residential and commercial uses that are walkable. The location of additional residents and jobs will continue the corridor's ability to promote active transportation.
Reduce per capita GHG emissions (from 2005 levels)	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in auto traffic and congestion by virtue of its transit accessibility and lower car ownership levels. As such, it is consistent with AB 32, SB 32, SB 375, and other initiatives designed to reduce per capita GHG emissions from 2005 levels.
Increase percentage of trips using a travel mode other than single occupancy vehicle (SOV)	**Consistent.** The Project is an infill development in the dense Sunset Boulevard corridor that will reduce the rate of growth in SOV use and congestion by virtue of its transit accessibility. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.

Locally, the City has several conservation-based plans, programs, and requirements that also indirectly produce GHG reductions. While these are not considered climate action plans, the Proposed Project's consistency with these local initiatives is summarized.

Local: City of Los Angeles General Plan Air Quality Element

The Project would be consistent with the City's General Plan, specifically its 1989 Air Quality Element. While this Element did not explicitly address control of greenhouse gases, global climate change, or resiliency objectives, it did identify several goals focused on criteria pollutant emissions

that would be effective in reducing carbon-based emissions that contribute to climate change. Table 8 summarizes the Project's general consistency with this policy document.

Table 8
Consistency with the City of Los Angeles Air Quality Element

Goal	Consistency Analysis
1. Good air quality and mobility in an environment of continued population growth and healthy economy.	**No Conflict.** The Project is an infill development in the Sunset Boulevard corridor that would increase the density and diversity of housing options, increase commercial land uses, while minimizing congestion impacts on the region because of its proximity to public transit and density of population and jobs.
2. Less reliance on single-occupant vehicles with fewer commute and non-work trips.	**No Conflict.** The Project is an infill development that will reduce reliance on the auto because of its proximity to public transit and general density of population and jobs. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand. The Project would reduce single-occupant vehicle trips by discouraging car ownership and resulting single-occupant vehicle use because of the limited parking (263 spaces) for residents and merchants.
3. Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand management techniques.	**No Conflict.** This goal is aimed at local public agencies that are tasked with managing both travel demand and the efficiency of the transportation system. However, the Proposed Project would not adversely impact the City's pursuit of system optimization.
4. Minimal impact of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality.	**No Conflict.** The Project is an infill development in the dense Sunset Boulevard corridor that would be consistent with the Element's focus on growing near transit facilities. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines

	provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand. The Project would reduce single-occupant vehicle trips by discouraging car ownership and resulting single-occupant vehicle use because of the limited parking (263 spaces) for residents and merchants.
5. Energy efficiency through land use and transportation planning, the use of renewable resources and less polluting fuels, and the implementation of conservation measures including passive methods such as site orientation and free parking.	**No Conflict.** This goal is aimed at local public agencies and the need to optimize land use and transportation planning decisions. However, the Proposed Project would not adversely impact the City's pursuit of land use and transportation coordination.
6. Citizen awareness of the linkages between personal behavior and air pollution, and participation in efforts to reduce air pollution.	**No Conflict.** This goal is focused on City outreach and public education about personal behavior and its connection to air pollution. Nevertheless, the Project would not interfere with this policy objective. Residents and commercial tenants would be provided with information about alternatives to driving upon moving in.
Source: DKA Planning, 2023.	

Local: City of Los Angeles Green New Deal (Sustainability pLAn)

The Sustainable City pLAn was a mayoral initiative in 2015 and includes both short-term and long-term aspirations through 2035 in various topic areas, including: water, solar power, energy-efficient buildings, carbon and climate leadership, waste and landfills, housing and development, mobility and transit, and air quality, among others.[56]

The Green New Deal was a 2019 mayoral initiative that updated the Sustainable City pLAn, including both short-term and long-term aspirations through 2035 for water, solar power, energy-efficient buildings, carbon and climate leadership, waste and landfills, housing and development, mobility and transit, and air quality, among others.[57] Targets include ensuring 75 percent of new housing units within 1,500 feet of transit by 2046, reducing vehicle miles traveled per capita by 45 percent by 2050, and moving toward 100 percent zero emission vehicles by 2050.

Although the Green New Deal is not an adopted plan or directly applicable to private development projects, the Project would benefit from local access to Metro bus service. Further, the Project

[56] City of Los Angeles, Sustainable City pLAn, 2019.
[57] City of Los Angeles, Green New Deal, 2019.

would comply with CALGreen and would comply with the City's Solid Waste Management Policy Plan, the RENEW LA Plan, and the Exclusive Franchise System Ordinance (Ordinance No. 182,986) in furtherance of the aspirations included in the Green New Deal regarding energy-efficient buildings and waste and landfills. The Project would also provide secure short- and long-term bicycle storage areas for residents, employees, and visitors. Therefore, the Project would be consistent with the Green New Deal, and impacts would be less than significant.

Conclusion

In summary, the plan consistency analysis provided above demonstrates that the Project complies with the applicable plans, policies, regulations and GHG emissions reduction actions/strategies outlined in the *Climate Change Scoping Plan and Update*, the 2020-2045 RTP/SCS, the City's General Plan Air Quality Element, and the Green New Deal. Consistency with the above plans, policies, regulations, and GHG emissions reduction actions/strategies would reduce the Project's incremental contribution of GHG emissions. Thus, the Project would not conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing emissions of GHG emissions. Furthermore, because the Project is consistent and does not conflict with these plans, policies, and regulations, the Project's incremental increase in GHG emissions as described above would not result in a significant impact on the environment. Therefore, Project-specific impacts regarding climate change would be less than significant.

Project Emissions

In support of the consistency analysis above that describes the Project's compliance with, or exceedance of performance-based standards included in the regulations and policies outlined in the applicable portions of the *Climate Change Scoping Plan*, the 2020-2045 RTP/SCS, the City's General Plan Air Quality Element, and the Green New Deal, quantitative calculations are provided below.

The Project would generate direct and indirect GHG emissions because of different types of emissions sources, including the following:

- Construction: emissions associated with demolition of the existing motel uses and parking areas, shoring, excavation, grading, and construction-related equipment and vehicular activity;
- Area source: emissions associated with landscape equipment;
- Energy source (building operations): emissions associated with electricity and natural gas use for space heating and cooling, water heating, energy consumption, and lighting;
- Stationary source: emissions associated with stationary equipment (e.g., emergency generators);

- Mobile source: emissions associated with vehicles accessing the Project Site;
- Solid Waste: emissions associated with the decomposition of the waste, which generates methane based on the total amount of degradable organic carbon;
- Water/Wastewater: emissions associated with energy used to pump, convey, deliver, and treat water.
- Vegetation: emissions associated with sequestration from tree planting or removal; and
- Refrigerants: These are substances used in equipment for air conditioning and refrigeration. Most refrigerants are HFCs or blends of them, which can have high GWP values.

The Project would generate an incremental contribution to and a cumulative increase in GHG emissions. A specific discussion regarding potential GHG emissions associated with the construction and operational phases of the Project is provided below.

Construction

Project construction is anticipated to be completed in 2027 with occupancy the same year. A summary of construction details (e.g., schedule, equipment mix, and vehicular trips) and CalEEMod modeling output files are provided in the Technical Appendix. The GHG emissions associated with construction of the Project were calculated for each year of construction activity.

Construction of the Project is estimated to generate a total of 3,465 $MTCO_2e$ (Table 9). As recommended by the SCAQMD, the total GHG construction emissions were amortized over the 30-year lifetime of the Project (i.e., total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate that can be added to the Project's operational emissions) to determine the Project's annual GHG emissions inventory.[58] This results in annual Project construction emissions of 116 $MTCO_2e$. A complete listing of the construction equipment by on-site and off-site activities, duration, and emissions estimation model input assumptions used in this analysis is included within the emissions calculation worksheets that are provided in the Technical Appendix.

Table 9
Combined Construction-Related Emissions ($MTCO_2e$)

Year	$MTCO_2e$[a]
2024	2
2025	1,200
2026	1,519
2027	744
Total	**3,465**

58 SCAQMD Governing Board Agenda Item 31, December 5, 2008.

Amortized Over 30 Years	**116**
a CO_2e was calculated using CalEEMod version 2022.1.1.17. Detailed results are provided in the Technical Appendix.	
Source: DKA Planning, 2023.	

Operation

Area Source Emissions

Area source emissions were calculated using the CalEEMod emissions inventory model, which includes landscape maintenance equipment, use of consumer products, and other everyday sources. As shown in Table 10, the Project would result in eight $MTCO_2e$ per year from area sources.

Table 10
Annual GHG Emissions Summary (Buildout)[a]
(metric tons of carbon dioxide equivalent [MTCO2e])

Year	$MTCO_2$[a]
Area[b]	8
Energy[c] (electricity and natural gas)	605
Mobile	1,536
Solid Waste[d]	95
Water/Wastewater[e]	54
Vegetation	-8
Refrigerants	3
Construction	116
Total Emissions	**2,409**

a CO_2e was calculated using CalEEMod and the results are provided in the Technical Appendix.
b Area source emissions are from landscape equipment and other operational equipment only; hearths omitted.
c Energy source emissions are based on CalEEMod default electricity and natural gas usage rates.
d Solid waste emissions are calculated based on CalEEMod default solid waste generation rates.
e Water/Wastewater emissions are calculated based on CalEEMod default water consumption rates.
Source: DKA Planning, 2023.

Electricity and Natural Gas Generation Emissions

GHG emissions are emitted because of activities in buildings when electricity and natural gas are used as energy sources. Combustion of any type of fuel emits CO_2 and other GHG emissions directly into the atmosphere. When electricity is used in a building, the electricity generation typically takes place off-site at the power plant; electricity use in a building generally causes emissions in an indirect manner.

Electricity and natural gas emissions were calculated for the Project using the CalEEMod emissions inventory model, which multiplies an estimate of the energy usage by applicable emissions factors chosen by the utility company. GHG emissions from electricity use are directly dependent on the electricity utility provider. In this case, GHG emissions intensity factors for LADWP were selected in CalEEMod. The carbon intensity ((pounds per megawatt an hour (lbs/MWh)) for electricity generation was calculated for the Project buildout year based on LADWP projections. A straight-line interpolation was performed to estimate the LADWP carbon intensity factor for the Project buildout year. LADWP's carbon intensity projections also consider SB 350 RPS requirements for renewable energy.

This approach is conservative, given the 2018 chaptering of SB 100 (De Leon), which requires electricity providers to provide renewable energy for at least 60 percent of their delivered power by 2030 and 100 percent use of renewable energy and zero-carbon resources by 2045. SB 100 also increases existing renewable energy targets, called Renewables Portfolio Standard (RPS), to 44 percent by 2024 and 52 percent by 2027.

The 2022 Title 24 standards contain more substantial energy efficiency requirements for new construction, emphasizing the importance of building design and construction flexibility to establish performance standards that substantially reduce energy consumption for water hating, lighting, and insulation for attics and walls. In accordance with City Ordinance 187714, the Project would be all-electric with the exception of any cooking equipment associated with any restaurants or eating facilities and any gas-powered emergency backup systems.[59]

Energy use in buildings is divided into energy consumed by the built environment and energy consumed by uses that are independent of the construction of the building, such as in plug-in appliances. CalEEMod calculates energy use from systems covered by Title 24 (e.g., HVAC system, water heating system, and lighting system); energy use from lighting; and energy use from office equipment, appliances, plug-ins, and other sources not covered by Title 24 or lighting.

CalEEMod electricity and natural gas usage rates are based on the CEC-sponsored California Commercial End-Use Survey (CEUS) and the California Residential Appliance Saturation Survey (RASS) studies.[60] The data are specific for climate zones; therefore, Zone 11 was selected for the Project Site based on the zip code tool.

[59] Energy consumption estimates with CalEEMod 2022.1.1.17 are based on the California Energy Commission's 2020 Residential Appliance Saturation Survey (residential uses) and 2021 Commercial Forecast database, both of which reflected the 2019 Title 24 energy efficiency standards. These energy consumption estimates were adjusted to reflect the 2022 Title 24 standards that cumulatively produce a 0.49 percent reduction in electricity use and 0.45 percent reduction in natural gas use when compared to the 2019 standards.

[60] California Energy Commission, Commercial End-Use Survey, March 2006, and California Residential Appliance Saturation Survey, October 2010.

As shown in Table 10, Project GHG emissions from electricity and natural gas usage would result in a total of 605 $MTCO_2e$ per year. This reflects the all-electric plan for the residential uses.

Mobile Source Emissions

Mobile-source emissions were calculated using the SCAQMD-recommended CalEEMod emissions inventory model. CalEEMod calculates the emissions associated with on-road mobile sources associated with residents, employees, visitors, and delivery vehicles visiting the Project Site based on the number of daily trips generated and VMT.

Mobile source operational GHG emissions were calculated using CalEEMod and are based on the Project trip-generation estimates. To calculate daily trips, the number of hotel rooms and amount of building area for the restaurant uses were multiplied by the applicable trip-generation rates based on the Institute of Transportation Engineers (ITE)'s *Trip Generation, 11th Edition*.

The Project represents an infill development within an urbanized area that would concentrate residential and commercial uses within an HQTA.[61] The Project Site is in the dense Sunset Boulevard corridor with proximity to transit opportunities, which would encourage the use of alternative modes of transportation. Residents, workers, and visitors can use public transit, including Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region. On-site bicycle parking for residents and workers can support bicycle transport in lieu of driving and two Metro bikeshare stations provide other options for active transportation. In addition, the live/work units will help reduce travel demand.

The Project characteristics listed below are consistent with the CAPCOA guidance document, *Quantifying Greenhouse Gas Mitigation Measures*, which provides emission reduction values for transportation related design techniques.[62] These techniques would reduce vehicle trips and VMT associated with the Project relative to the standard ITE trip generation rates, which would result in a comparable reduction in VMT and associated GHG emissions. Techniques applicable to the

61 The Project Site is also located in Transit Priority Area as defined by Public Resources Code Section 20199. Public Resources Code Section 21099 defines a "transit priority area" as an area within 0.5 miles of a major transit stop that is "existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program adopted pursuant to Section 450.216 or 450.322 of Title 23 of the Code of Federal Regulations." Public Resources Code Section 21064.3 defines "major transit stop" as "a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." Also refer to the City's ZIMAS System regarding the location of the Project Site within a Transit Priority Area..

62 CAPCOA, Quantifying Greenhouse Gas Mitigation Measures, 2010.

Project include the following (a brief description of the Project's relevance to the measure is also provided):

- **CAPCOA Measure LUT-1 – Increase Density:** Increased density, measured in terms of persons, jobs, or dwelling units per unit area, reduces emissions associated with transportation as it reduces the distance people travel for work or services and provides a foundation for the implementation of other strategies, such as enhanced transit services.

- **CAPCOA Measure LUT-3 – Increase Diversity of Urban and Suburban Developments (Mixed-Use):** The Project would introduce new residential and commercial uses on the Project Site. The increases in land use diversity, including different housing types, on the Project Site would reduce vehicle trips and VMT by encouraging visitors to walk and use non-automotive forms of transportation (i.e., public transit, biking), which would result in corresponding reductions in transportation-related emissions.

- **CAPCOA Measure LUT-4 – Increase Destination Accessibility:** The Project Site is in the dense Sunset Boulevard corridor, a regional job center, also easily accessible by public transportation. Access to multiple destinations, and commercial and retail uses in proximity to the Project Site would reduce vehicle trips and VMT compared to the statewide average and encourage walking and non-automotive forms of transportation and would result in corresponding reductions in transportation-related emissions because of the Project.

- **CAPCOA Measure LUT-5 – Increase Transit Accessibility:** The Project would be located near several transit opportunities, including Metro Lines 4 and 60 on Sunset Boulevard, Line 55 on Figueroa Street, as well as LADOT DASH (Lincoln Heights) circulator shuttle service on Cesar Chavez Avenue. Metro's Grand Avenue Arts/Bunker Hill rail station is 4,500 feet south of the Project Site, where the A (Blue) and B (Red) Lines provide rail access to the region.

- **CAPCOA Measure LUT-9 – Improve Design of Development:** The Project would enhance the pedestrian and bicycle environment through an attractive open space component and improved sidewalk and streetscape, which would enhance walkability in the Project vicinity. The Project would also locate a development with a high level of street access to Sunset Boulevard, which improves street accessibility and connectivity.

- **CAPCOA Measure SDT-2 – Traffic Calming Measures:** Providing traffic calming measures encourages people to walk or bike instead of using a vehicle. This mode shift results in a decrease in VMT. Streets within a half mile of the Project Site are equipped with sidewalks, and several of the intersections include marked crosswalks and/or count-down signal timers that calm traffic.

CalEEMod calculates VMT based on the type of land use, trip purpose, and trip type percentages for each land use subtype in the project (primary, diverted, and pass-by). As shown in Table 10,

the Project GHG emissions from mobile sources would result in a total of 1,536 $MTCO_2e$ per year. This estimate reflects reductions attributable to the Project's characteristics (e.g., infill project near transit that supports multi-modal transportation options), as described above.

Solid Waste Generation Emissions

Emissions related to solid waste were calculated using the CalEEMod emissions inventory model, which multiplies an estimate of the waste generated by applicable emissions factors provided in Section 2.4 of the USEPA's AP-42, Compilation of Air Pollutant Emission Factors. CalEEMod solid waste generation rates for each applicable land use were selected for this analysis. As shown in Table 10, the Project scenario is expected to result in a total of 95 $MTCO_2e$ per year from solid waste that accounts for a 50-percent recycling/diversion rate.[63]

Water Usage and Wastewater Generation Emissions

GHG emissions are related to the energy used to convey, treat, and distribute water, and treat wastewater. Thus, these emissions are generally indirect emissions from the production of electricity to power these systems. Three processes are necessary to supply potable water; these include (1) supply and conveyance of the water from the source; (2) treatment of the water to potable standards; and (3) distribution of the water to individual users. After use, energy is used as the wastewater is treated and reused as reclaimed water.

Emissions related to water usage and wastewater generation were calculated for the Project using the CalEEMod emissions inventory model, which multiplies an estimate of the water usage by the applicable energy intensity factor to determine the embodied energy necessary to supply potable water.[64] GHG emissions are then calculated based on the amount of electricity consumed multiplied by the GHG emissions intensity factors for the utility provider. In this case, embodied energy for Southern California supplied water and GHG emissions intensity factors for LADWP were selected in CalEEMod. Water usage rates were calculated consistent with the requirements under City Ordinance No. 184,248, 2022 California Plumbing Code (which is based on the 2021 Uniform Plumbing Code), 2022 CALGreen, Los Angeles Plumbing Code, and Los Angeles Green Building Code, and reflect an approximately 20-percent reduction as compared to the base demand.

LADWP's programs includes programs designed to reduce indoor water consumption and wastewater generation by 20 percent. These include the 2022 requirements for installation of the latest ultra-high efficiency plumbing fixtures, the standards that promote increasing water-resistant turf and incorporating rainfall capture techniques in project designs, aggressive outdoor

63 AB 341 (2012) increased the Statewide waste diversion goal from 50 to 75 percent from baseline rates established by CalRecycle by 2020 and beyond. Further, SB 1383 (2016) requires jurisdictions to reduce 75 percent of organic waste disposal in landfills by 2030.

64 The intensity factor reflects the average pounds of CO_2e per megawatt generated by a utility company.

water consumption programs through its Landscape ordinance, and water recycling programs designed to increase recycled water to 59,000 acre-feet by 2035.

As shown in Table 10, Project GHG emissions from water/wastewater usage would result in a total of 54 $MTCO_2e$ per year, which reflects a 20-percent reduction in water/wastewater emissions consistent with building code requirements as compared to the Project without sustainability features related to water conservation.

Vegetation

The planting of 84 trees throughout the development will help to sequester carbon emissions. These trees would generally be 24" box trees, which equates to about two inches of diameter at breast height (DBH), or about 4'6" above the ground. These will help to capture and reduce GHG emissions. As illustrated in Table 10, proposed trees would reduce eight $MTCO_2e$ per year.

Refrigerants

Emissions related to cooling structures and refrigeration needs were calculated using the CalEEMod emissions inventory model. As shown in Table 10, the Project scenario is expected to result in a total of three $MTCO_2e$ per year from use of refrigerants that used HFCs and have high GWP values.

Combined Construction and Operational Emissions

As shown in Table 10, when taking into consideration implementation of project design features, including the requirements set forth in the City's Green Building Code and the full implementation of current state mandates, the GHG emissions for the Project would equal 2,409 $MTCO_2e$ annually (as amortized over 30 years).

Estimated Reduction of Project Related GHG Emissions Resulting from Consistency with Plans

As noted earlier, one approach to demonstrating a project's consistency with GHG plans is to show how a project will reduce its incremental contribution through a Project Without Reduction Features comparison. The analysis in this section includes potential emissions under a Project Without Reduction Features scenario and from the Project at build-out based on actions and mandates in force in 2027.

As shown in Table 11, the emissions for the Project and its associated CARB 2024 Project Without Reduction Features scenario are estimated to be 1,374 and 2,152 $MTCO_2e$ per year, respectively, which shows the Project would reduce emissions by 36.1 percent from CARB's 2024 Project Without Reduction Features scenario.

Table 11
Estimated Reduction of Project-Related GHG Emissions Resulting from Consistency with Plans

Scenario and Source	Project Without Reduction Features Scenario*	As Proposed Scenario	Reduction from Project Without Reduction Features Scenario	Change from Project Without Reduction Features Scenario
Area Sources	8	8	-	0%
Energy Sources	1,043	605	-438	-42%
Mobile Sources	2,188	1,536	-652	-30%
Waste Sources	95	95	-	0%
Water Sources	54	54	-	0%
Vegetation	-8	-8	-	0%
Refrigerants	3	3	-	0%
Construction	116	116	-	0%
Total Emissions	3,499	2,409	-1,090	-31.2%

Daily construction emissions amortized over 30-year period pursuant to SCAQMD guidance. Annual construction emissions derived by taking total emissions over duration of activities and dividing by construction period.
** Project Without Reduction Features scenario does not assume 30% reduction in in mobile source emissions from Pavley emission standards (19.8%), low carbon fuel standards (7.2%), vehicle efficiency measures 2.8%); does not assume 42% reduction in energy production emissions from the State's renewables portfolio standard (33%), natural gas extraction efficiency measures (1.6%), and natural gas transmission and distribution efficiency measures (7.4%).*
Source: DKA Planning, 2023.

The analysis in this section uses the 2022 Scoping Plan's statewide goals as one approach to evaluate the Project's incremental contribution to climate change. The methodology is to compare the Project's emissions as proposed to the Project's emissions as if the Project were built using a Project Without Reduction Features approach in terms of design, methodology, and technology. This means the Project's emissions were calculated as if the Project was constructed with project design features to reduce GHG emissions that are not required by state or local code and with several regulatory measures adopted in furtherance of AB 32.

While the AB 32 Scoping Plan's cumulative statewide objectives were not intended to serve as the basis for project-level assessments, this analysis finds that its Project Without Reduction Features comparison based on the Scoping Plan is appropriate, because the Project would contribute to statewide GHG emissions reduction goals. Specifically, the Project's mixed-use nature and location in an existing urban setting provide opportunities to reduce transportation-related emissions. First, it would capture vehicle travel on-site that would have normally been destined for off-site locations. This produces substantial reductions in the amount of vehicle trips and VMT that no longer are made. Second, it would eliminate many vehicle trips, because travel to and from the Project Site could be captured by public transit and active transportation instead. Finally, it would attract existing trips on the street network that would divert to the proposed development.

Post-2030 Analysis

Recent studies show that the state's existing and proposed regulatory framework will put the state on a pathway to reduce its GHG emissions level to 40 percent below 1990 levels by 2030, and to 80 percent below 1990 levels by 2050 if additional appropriate reduction measures are adopted.[65] Even though these studies did not provide an exact regulatory and technological roadmap to achieve the 2030 and 2050 goals, they demonstrated that various combinations of policies could allow the statewide emissions level to remain very low through 2050, suggesting that the combination of new technologies and other regulations not analyzed in the studies could allow the state to meet the 2050 target. After the findings of these studies, SB 32 was passed on September 8, 2016, and would require the state board to ensure that statewide GHG emissions are reduced to 40 percent below the 1990 level by 2030. As discussed above, the new plan, outlined in SB 32, involves increasing renewable energy use, imposing tighter limits on the carbon content of gasoline and diesel fuel, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries.

As discussed above, SCAG's 2020-2045 RTP/SCS establishes a regulatory framework for achieving GHG reductions from the land use and transportation sectors pursuant to SB 375 and the state's long-term climate policies. The 2020-2045 RTP/SCS ensures VMT reductions and other measures that reduce regional emissions from the land use and transportation sectors.

The Project is the type of land use development that is encouraged by the RTP/SCS to reduce VMT and expand multi-modal transportation options for the region to achieve the GHG reductions from the land use and transportation sectors required by SB 375, which, in turn, advances the state's long-term climate policies. By furthering implementation of SB 375, the Project supports regional land use and transportation GHG reductions consistent with state climate targets for 2020 and beyond. In addition, the Project would be consistent with the Actions and Strategies set forth in the 2020-2045 RTP/SCS. Therefore, the Project would be consistent with the 2020-2045 RTP/SCS.

Conclusion

Given the Project's consistency with state, SCAG, and City GHG emissions reduction goals and objectives, the Project is consistent with applicable plans, policies, and regulations adopted for

65 Energy and Environmental Economics (E3). "Summary of the California State Agencies' PATHWAYS Project: Long-term Greenhouse Gas Reduction Scenarios" (April 2015); Greenblatt, Jeffrey, Energy Policy, "Modeling California Impacts on Greenhouse Gas Emissions" (Vol. 78, pp. 158–172). The California Air Resources Board, California Energy Commission, California Public Utilities Commission, and the California Independent System Operator engaged E3 to evaluate the feasibility and cost of a range of potential 2030 targets along the way to the state's goal of reducing GHG emissions to 80 percent below 1990 levels by 2050. With input from the agencies, E3 developed scenarios that explore the potential pace at which emission reductions can be achieved, as well as the mix of technologies and practices deployed. E3 conducted the analysis using its California PATHWAYS model. Enhanced specifically for this study, the model encompasses the entire California economy with detailed representations of the buildings, industry, transportation, and electricity sectors.

the purpose of reducing the emissions of GHGs. In the absence of adopted standards and established significance thresholds, and given this consistency, it is concluded that the Project's incremental contribution to greenhouse gas emissions and their effects on climate change would not be cumulatively considerable.

Cumulative Impacts

As explained above, the analysis of a project's GHG emissions is inherently a cumulative impacts analysis, because climate change is a global problem, and the emissions from any single project alone would be negligible. Accordingly, the analysis above considered the potential for the Project to contribute to the cumulative impact of global climate change.

The analysis shows that the Project is consistent with CARB's *Climate Change Scoping Plan*, particularly its emphasis on the identification of emission reduction opportunities that promote economic growth while achieving greater energy efficiency and accelerating the transition to a low-carbon economy. The analysis also shows that the Project would be consistent with the 2020-2045 RTP/SCS, which would serve to reduce regional GHG emissions from the land use and transportation sectors by 2020 and 2035. In addition, the Project would comply with the LA Green Plan, which emphasizes improving energy conservation and energy efficiency, increasing renewable energy generation, and changing transportation and land use patterns to reduce auto dependence. Furthermore, the Project would generally comply with the aspirations of the City's Air Quality Element and Green New Deal, which includes specific targets related to housing and development, and mobility and transit. Given the Project's consistency with statewide, regional, and local plans adopted for the reduction of GHG emissions, it is concluded that the Project's incremental contribution to greenhouse gas emissions and their effects on climate change would not be cumulatively considerable. For these reasons, the Project's cumulative contribution to global climate change is less than significant.

TECHNICAL APPENDIX

DouglasKim+Associates,LLC

GREENHOUSE GAS EMISSIONS

Sunset Everett (Future) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sunset Everett (Future)
Construction Start Date	12/24/2024
Operational Year	2027
Lead Agency	City of Los Angeles
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	1185 W Sunset Blvd, Los Angeles, CA 90026, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4029
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.17

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Apartments Mid Rise	327	Dwelling Unit	2.30	311,838	37,095	—	773	—
High Turnover (Sit Down Restaurant)	9.46	1000sqft	0.16	9,462	0.00	—	—	—
Enclosed Parking with Elevator	263	Space	0.00	105,200	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	—	16,841	16,841	0.69	0.75	19.0	17,018
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	—	12,746	12,746	0.54	0.76	0.49	12,891
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	—	9,067	9,067	0.38	0.36	5.41	9,174
Annual (Max)	—	—	—	—	—	—	—
Unmit.	—	1,501	1,501	0.06	0.06	0.90	1,519

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—
2025	—	12,950	12,950	0.53	0.75	19.0	13,111
2026	—	12,840	12,840	0.53	0.43	17.5	12,999
2027	—	16,841	16,841	0.69	0.47	18.4	17,018
Daily - Winter (Max)	—	—	—	—	—	—	—
2024	—	858	858	0.04	0.10	0.04	888
2025	—	12,746	12,746	0.54	0.76	0.49	12,891
2026	—	12,641	12,641	0.53	0.43	0.45	12,783
2027	—	12,538	12,538	0.42	0.42	0.42	12,675
Average Daily	—	—	—	—	—	—	—
2024	—	14.1	14.1	< 0.005	< 0.005	0.01	14.6
2025	—	7,126	7,126	0.31	0.36	4.64	7,245
2026	—	9,067	9,067	0.38	0.31	5.41	9,174
2027	—	4,447	4,447	0.15	0.13	2.22	4,493
Annual	—	—	—	—	—	—	—
2024	—	2.34	2.34	< 0.005	< 0.005	< 0.005	2.42
2025	—	1,180	1,180	0.05	0.06	0.77	1,200
2026	—	1,501	1,501	0.06	0.05	0.90	1,519
2027	—	736	736	0.02	0.02	0.37	744

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
2025	—	12,950	12,950	0.53	0.75	19.0	13,111
2026	—	12,840	12,840	0.53	0.43	17.5	12,999
2027	—	16,841	16,841	0.69	0.47	18.4	17,018

Daily - Winter (Max)	—	—	—	—	—	—	—
2024	—	858	858	0.04	0.10	0.04	888
2025	—	12,746	12,746	0.54	0.76	0.49	12,891
2026	—	12,641	12,641	0.53	0.43	0.45	12,783
2027	—	12,538	12,538	0.42	0.42	0.42	12,675
Average Daily	—	—	—	—	—	—	—
2024	—	14.1	14.1	< 0.005	< 0.005	0.01	14.6
2025	—	7,126	7,126	0.31	0.36	4.64	7,245
2026	—	9,067	9,067	0.38	0.31	5.41	9,174
2027	—	4,447	4,447	0.15	0.13	2.22	4,493
Annual	—	—	—	—	—	—	—
2024	—	2.34	2.34	< 0.005	< 0.005	< 0.005	2.42
2025	—	1,180	1,180	0.05	0.06	0.77	1,200
2026	—	1,501	1,501	0.06	0.05	0.90	1,519
2027	—	736	736	0.02	0.02	0.37	744

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	194	15,459	15,652	20.3	0.54	49.2	16,370
Mit.	194	14,421	14,615	20.2	0.53	49.2	15,329
% Reduced	—	7%	7%	< 0.5%	< 0.5%	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	194	14,952	15,146	20.3	0.56	17.9	15,839
Mit.	194	13,915	14,108	20.3	0.56	17.9	14,798
% Reduced	—	7%	7%	< 0.5%	< 0.5%	—	7%

Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	194	14,009	14,203	20.3	0.52	29.4	14,895
Mit.	194	12,972	13,165	20.2	0.52	29.4	13,855
% Reduced	—	7%	7%	< 0.5%	< 0.5%	—	7%
Annual (Max)	—	—	—	—	—	—	—
Unmit.	32.1	2,319	2,351	3.36	0.09	4.86	2,466
Mit.	32.1	2,148	2,180	3.35	0.09	4.86	2,294
% Reduced	—	7%	7%	< 0.5%	< 0.5%	—	7%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	—	10,559	10,559	0.53	0.43	32.2	10,732
Area	0.00	70.1	70.1	< 0.005	< 0.005	—	70.4
Energy	—	4,676	4,676	0.35	0.04	—	4,695
Water	28.9	200	229	2.97	0.07	—	325
Waste	165	0.00	165	16.5	0.00	—	576
Refrig.	—	—	—	—	—	17.0	17.0
Vegetation	—	-46.8	-46.8	—	—	—	-46.8
Total	194	15,459	15,652	20.3	0.54	49.2	16,370
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	—	10,123	10,123	0.55	0.45	0.83	10,272
Area	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	—	4,676	4,676	0.35	0.04	—	4,695
Water	28.9	200	229	2.97	0.07	—	325
Waste	165	0.00	165	16.5	0.00	—	576

Refrig.	—	—	—	—	—	17.0	17.0
Vegetation	—	-46.8	-46.8	—	—	—	-46.8
Total	194	14,952	15,146	20.3	0.56	17.9	15,839
Average Daily	—	—	—	—	—	—	—
Mobile	—	9,132	9,132	0.51	0.41	12.3	9,280
Area	0.00	48.0	48.0	< 0.005	< 0.005	—	48.2
Energy	—	4,676	4,676	0.35	0.04	—	4,695
Water	28.9	200	229	2.97	0.07	—	325
Waste	165	0.00	165	16.5	0.00	—	576
Refrig.	—	—	—	—	—	17.0	17.0
Vegetation	—	-46.8	-46.8	—	—	—	-46.8
Total	194	14,009	14,203	20.3	0.52	29.4	14,895
Annual	—	—	—	—	—	—	—
Mobile	—	1,512	1,512	0.09	0.07	2.04	1,536
Area	0.00	7.95	7.95	< 0.005	< 0.005	—	7.98
Energy	—	774	774	0.06	0.01	—	777
Water	4.78	33.2	37.9	0.49	0.01	—	53.8
Waste	27.3	0.00	27.3	2.73	0.00	—	95.4
Refrig.	—	—	—	—	—	2.82	2.82
Vegetation	—	-7.75	-7.75	—	—	—	-7.75
Total	32.1	2,319	2,351	3.36	0.09	4.86	2,466

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	—	10,559	10,559	0.53	0.43	32.2	10,732

Area	0.00	70.1	70.1	< 0.005	< 0.005	—	70.4
Energy	—	3,638	3,638	0.26	0.03	—	3,655
Water	28.9	200	229	2.97	0.07	—	325
Waste	165	0.00	165	16.5	0.00	—	576
Refrig.	—	—	—	—	—	17.0	17.0
Vegetation	—	-46.8	-46.8	—	—	—	-46.8
Total	194	14,421	14,615	20.2	0.53	49.2	15,329
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	—	10,123	10,123	0.55	0.45	0.83	10,272
Area	0.00	0.00	0.00	0.00	0.00	—	0.00
Energy	—	3,638	3,638	0.26	0.03	—	3,655
Water	28.9	200	229	2.97	0.07	—	325
Waste	165	0.00	165	16.5	0.00	—	576
Refrig.	—	—	—	—	—	17.0	17.0
Vegetation	—	-46.8	-46.8	—	—	—	-46.8
Total	194	13,915	14,108	20.3	0.56	17.9	14,798
Average Daily	—	—	—	—	—	—	—
Mobile	—	9,132	9,132	0.51	0.41	12.3	9,280
Area	0.00	48.0	48.0	< 0.005	< 0.005	—	48.2
Energy	—	3,638	3,638	0.26	0.03	—	3,655
Water	28.9	200	229	2.97	0.07	—	325
Waste	165	0.00	165	16.5	0.00	—	576
Refrig.	—	—	—	—	—	17.0	17.0
Vegetation	—	-46.8	-46.8	—	—	—	-46.8
Total	194	12,972	13,165	20.2	0.52	29.4	13,855
Annual	—	—	—	—	—	—	—
Mobile	—	1,512	1,512	0.09	0.07	2.04	1,536

Area	0.00	7.95	7.95	< 0.005	< 0.005	—	7.98
Energy	—	602	602	0.04	0.01	—	605
Water	4.78	33.2	37.9	0.49	0.01	—	53.8
Waste	27.3	0.00	27.3	2.73	0.00	—	95.4
Refrig.	—	—	—	—	—	2.82	2.82
Vegetation	—	-7.75	-7.75	—	—	—	-7.75
Total	32.1	2,148	2,180	3.35	0.09	4.86	2,294

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	203	203	0.01	< 0.005	—	204
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	3.34	3.34	< 0.005	< 0.005	—	3.35
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	0.55	0.55	< 0.005	< 0.005	—	0.55
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	66.9	66.9	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	588	588	0.03	0.09	0.04	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1.12	1.12	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	9.66	9.66	< 0.005	< 0.005	0.01	—
Annual	—	—	—	—	—	—	—
Worker	—	0.18	0.18	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	1.60	1.60	< 0.005	< 0.005	< 0.005	—

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	203	203	0.01	< 0.005	—	204
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	3.34	3.34	< 0.005	< 0.005	—	3.35
Demolition	—	—	—	—	—	—	—

Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	0.55	0.55	< 0.005	< 0.005	—	0.55
Demolition	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	66.9	66.9	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	588	588	0.03	0.09	0.04	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1.12	1.12	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	9.66	9.66	< 0.005	< 0.005	0.01	—
Annual	—	—	—	—	—	—	—
Worker	—	0.18	0.18	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	1.60	1.60	< 0.005	< 0.005	< 0.005	—

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,717	2,717	0.11	0.02	—	2,726

Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	81.9	81.9	< 0.005	< 0.005	—	82.2
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	98.3	98.3	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	4,675	4,675	0.25	0.73	0.28	—
Average Daily	—	—	—	—	—	—	—
Worker	—	3.01	3.01	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	141	141	0.01	0.02	0.14	—
Annual	—	—	—	—	—	—	—
Worker	—	0.50	0.50	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	23.3	23.3	< 0.005	< 0.005	0.02	—

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,717	2,717	0.11	0.02	—	2,726
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	81.9	81.9	< 0.005	< 0.005	—	82.2
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	13.6	13.6	< 0.005	< 0.005	—	13.6
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	98.3	98.3	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	4,675	4,675	0.25	0.73	0.28	—
Average Daily	—	—	—	—	—	—	—
Worker	—	3.01	3.01	< 0.005	< 0.005	< 0.005	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	141	141	0.01	0.02	0.14	—
Annual	—	—	—	—	—	—	—
Worker	—	0.50	0.50	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	23.3	23.3	< 0.005	< 0.005	0.02	—

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,460	2,460	0.10	0.02	—	2,469
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,460	2,460	0.10	0.02	—	2,469
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	506	506	0.02	< 0.005	—	507
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	83.7	83.7	< 0.005	< 0.005	—	84.0

Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	277	277	0.01	0.01	1.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	4,618	4,618	0.25	0.72	10.7	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	262	262	0.01	0.01	0.03	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	4,620	4,620	0.25	0.72	0.28	—
Average Daily	—	—	—	—	—	—	—
Worker	—	54.7	54.7	< 0.005	< 0.005	0.09	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	949	949	0.05	0.15	0.95	—
Annual	—	—	—	—	—	—	—
Worker	—	9.05	9.05	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	157	157	0.01	0.02	0.16	—

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,460	2,460	0.10	0.02	—	2,469

Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	2,460	2,460	0.10	0.02	—	2,469
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	506	506	0.02	< 0.005	—	507
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	83.7	83.7	< 0.005	< 0.005	—	84.0
Dust From Material Movement	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	277	277	0.01	0.01	1.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	4,618	4,618	0.25	0.72	10.7	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	262	262	0.01	0.01	0.03	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	4,620	4,620	0.25	0.72	0.28	—
Average Daily	—	—	—	—	—	—	—
Worker	—	54.7	54.7	< 0.005	< 0.005	0.09	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	949	949	0.05	0.15	0.95	—
Annual	—	—	—	—	—	—	—
Worker	—	9.05	9.05	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	157	157	0.01	0.02	0.16	—

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,324	7,324	0.30	0.06	—	7,349
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,324	7,324	0.30	0.06	—	7,349
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	3,067	3,067	0.12	0.02	—	3,078
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	508	508	0.02	< 0.005	—	510
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	3,921	3,921	0.17	0.13	14.4	—
Vendor	—	1,705	1,705	0.07	0.24	4.67	—

Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	3,717	3,717	0.17	0.14	0.37	—
Vendor	—	1,706	1,706	0.07	0.24	0.12	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1,580	1,580	0.07	0.06	2.60	—
Vendor	—	714	714	0.03	0.10	0.85	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	262	262	0.01	0.01	0.43	—
Vendor	—	118	118	< 0.005	0.02	0.14	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,324	7,324	0.30	0.06	—	7,349
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,324	7,324	0.30	0.06	—	7,349
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	3,067	3,067	0.12	0.02	—	3,078
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	508	508	0.02	< 0.005	—	510
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	3,921	3,921	0.17	0.13	14.4	—
Vendor	—	1,705	1,705	0.07	0.24	4.67	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	3,717	3,717	0.17	0.14	0.37	—
Vendor	—	1,706	1,706	0.07	0.24	0.12	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1,580	1,580	0.07	0.06	2.60	—
Vendor	—	714	714	0.03	0.10	0.85	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	262	262	0.01	0.01	0.43	—
Vendor	—	118	118	< 0.005	0.02	0.14	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,347

Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,347
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	5,230	5,230	0.21	0.04	—	5,248
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	866	866	0.04	0.01	—	869
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	3,842	3,842	0.16	0.13	13.0	—
Vendor	—	1,676	1,676	0.07	0.24	4.53	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	3,643	3,643	0.17	0.13	0.34	—
Vendor	—	1,677	1,677	0.07	0.24	0.12	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	2,640	2,640	0.12	0.10	4.02	—
Vendor	—	1,197	1,197	0.05	0.17	1.40	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	437	437	0.02	0.02	0.67	—
Vendor	—	198	198	0.01	0.03	0.23	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,347
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,347
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	5,230	5,230	0.21	0.04	—	5,248
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	866	866	0.04	0.01	—	869
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	3,842	3,842	0.16	0.13	13.0	—
Vendor	—	1,676	1,676	0.07	0.24	4.53	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	3,643	3,643	0.17	0.13	0.34	—
Vendor	—	1,677	1,677	0.07	0.24	0.12	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	2,640	2,640	0.12	0.10	4.02	—

Vendor	—	1,197	1,197	0.05	0.17	1.40	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	437	437	0.02	0.02	0.67	—
Vendor	—	198	198	0.01	0.03	0.23	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.11. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,346
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,346
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	2,163	2,163	0.09	0.02	—	2,171
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	358	358	0.01	< 0.005	—	359
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	3,769	3,769	0.16	0.13	11.7	—
Vendor	—	1,643	1,643	0.07	0.23	4.29	—

Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	3,573	3,573	0.05	0.13	0.30	—
Vendor	—	1,644	1,644	0.07	0.23	0.11	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1,071	1,071	0.01	0.04	1.50	—
Vendor	—	486	486	0.02	0.07	0.55	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	177	177	< 0.005	0.01	0.25	—
Vendor	—	80.4	80.4	< 0.005	0.01	0.09	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.12. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,346
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	7,321	7,321	0.30	0.06	—	7,346
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	2,163	2,163	0.09	0.02	—	2,171
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—

Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	358	358	0.01	< 0.005	—	359
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	3,769	3,769	0.16	0.13	11.7	—
Vendor	—	1,643	1,643	0.07	0.23	4.29	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	—	3,573	3,573	0.05	0.13	0.30	—
Vendor	—	1,644	1,644	0.07	0.23	0.11	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Average Daily	—	—	—	—	—	—	—
Worker	—	1,071	1,071	0.01	0.04	1.50	—
Vendor	—	486	486	0.02	0.07	0.55	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	177	177	< 0.005	0.01	0.25	—
Vendor	—	80.4	80.4	< 0.005	0.01	0.09	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	3,354	3,354	0.14	0.03	—	3,366

Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	597	597	0.02	< 0.005	—	599
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	98.9	98.9	< 0.005	< 0.005	—	99.2
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	754	754	0.03	0.03	2.35	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	—	129	129	< 0.005	< 0.005	0.18	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	21.4	21.4	< 0.005	< 0.005	0.03	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	3,354	3,354	0.14	0.03	—	3,366
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	597	597	0.02	< 0.005	—	599
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	98.9	98.9	< 0.005	< 0.005	—	99.2
Architectural Coatings	—	—	—	—	—	—	—
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	754	754	0.03	0.03	2.35	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	—	129	129	< 0.005	< 0.005	0.18	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	21.4	21.4	< 0.005	< 0.005	0.03	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.15. Trenching (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	391	391	0.02	< 0.005	—	393
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	3.91	3.91	< 0.005	< 0.005	—	3.92
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	104	104	< 0.005	< 0.005	0.38	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	—	6.01	6.01	< 0.005	< 0.005	0.01	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

Annual	—	—	—	—	—	—	—
Worker	—	1.00	1.00	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

3.16. Trenching (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	—	391	391	0.02	< 0.005	—	393
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	—	23.6	23.6	< 0.005	< 0.005	—	23.7
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Off-Road Equipment	—	3.91	3.91	< 0.005	< 0.005	—	3.92
Onsite truck	—	0.00	0.00	0.00	0.00	0.00	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	—	104	104	< 0.005	< 0.005	0.38	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	—	6.01	6.01	< 0.005	< 0.005	0.01	—

Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—
Annual	—	—	—	—	—	—	—
Worker	—	1.00	1.00	< 0.005	< 0.005	< 0.005	—
Vendor	—	0.00	0.00	0.00	0.00	0.00	—
Hauling	—	0.00	0.00	0.00	0.00	0.00	—

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	7,934	7,934	0.40	0.32	24.2	8,065
High Turnover (Sit Down Restaurant)	—	2,625	2,625	0.13	0.10	8.02	2,667
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	10,559	10,559	0.53	0.43	32.2	10,732
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	7,607	7,607	0.42	0.34	0.63	7,720
High Turnover (Sit Down Restaurant)	—	2,516	2,516	0.13	0.11	0.21	2,552
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	10,123	10,123	0.55	0.45	0.83	10,272
Annual	—	—	—	—	—	—	—

Apartments Mid Rise	—	1,257	1,257	0.07	0.06	1.70	1,278
High Turnover (Sit Down Restaurant)	—	254	254	0.02	0.01	0.34	259
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	1,512	1,512	0.09	0.07	2.04	1,536

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	7,934	7,934	0.40	0.32	24.2	8,065
High Turnover (Sit Down Restaurant)	—	2,625	2,625	0.13	0.10	8.02	2,667
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	10,559	10,559	0.53	0.43	32.2	10,732
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	7,607	7,607	0.42	0.34	0.63	7,720
High Turnover (Sit Down Restaurant)	—	2,516	2,516	0.13	0.11	0.21	2,552
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	10,123	10,123	0.55	0.45	0.83	10,272
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	1,257	1,257	0.07	0.06	1.70	1,278
High Turnover (Sit Down Restaurant)	—	254	254	0.02	0.01	0.34	259
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	1,512	1,512	0.09	0.07	2.04	1,536

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	2,031	2,031	0.14	0.02	—	2,041
High Turnover (Sit Down Restaurant)	—	583	583	0.04	0.01	—	586
Enclosed Parking with Elevator	—	735	735	0.05	0.01	—	738
Total	—	3,348	3,348	0.24	0.03	—	3,364
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	2,031	2,031	0.14	0.02	—	2,041
High Turnover (Sit Down Restaurant)	—	583	583	0.04	0.01	—	586
Enclosed Parking with Elevator	—	735	735	0.05	0.01	—	738
Total	—	3,348	3,348	0.24	0.03	—	3,364
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	336	336	0.02	< 0.005	—	338
High Turnover (Sit Down Restaurant)	—	96.5	96.5	0.01	< 0.005	—	97.0
Enclosed Parking with Elevator	—	122	122	0.01	< 0.005	—	122
Total	—	554	554	0.04	0.01	—	557

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	2,034	2,034	0.14	0.02	—	2,043
High Turnover (Sit Down Restaurant)	—	583	583	0.04	0.01	—	586
Enclosed Parking with Elevator	—	735	735	0.05	0.01	—	738
Total	—	3,351	3,351	0.24	0.03	—	3,367
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	2,034	2,034	0.14	0.02	—	2,043
High Turnover (Sit Down Restaurant)	—	583	583	0.04	0.01	—	586
Enclosed Parking with Elevator	—	735	735	0.05	0.01	—	738
Total	—	3,351	3,351	0.24	0.03	—	3,367
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	337	337	0.02	< 0.005	—	338
High Turnover (Sit Down Restaurant)	—	96.5	96.5	0.01	< 0.005	—	97.0
Enclosed Parking with Elevator	—	122	122	0.01	< 0.005	—	122
Total	—	555	555	0.04	0.01	—	557

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—

Apartments Mid Rise	—	1,040	1,040	0.09	< 0.005	—	1,043
High Turnover (Sit Down Restaurant)	—	287	287	0.03	< 0.005	—	288
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	1,327	1,327	0.12	< 0.005	—	1,331
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	1,040	1,040	0.09	< 0.005	—	1,043
High Turnover (Sit Down Restaurant)	—	287	287	0.03	< 0.005	—	288
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	1,327	1,327	0.12	< 0.005	—	1,331
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	172	172	0.02	< 0.005	—	173
High Turnover (Sit Down Restaurant)	—	47.6	47.6	< 0.005	< 0.005	—	47.7
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	220	220	0.02	< 0.005	—	220

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	287	287	0.03	< 0.005	—	288
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	287	287	0.03	< 0.005	—	288
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	287	287	0.03	< 0.005	—	288
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	287	287	0.03	< 0.005	—	288
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	47.6	47.6	< 0.005	< 0.005	—	47.7
Enclosed Parking with Elevator	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	47.6	47.6	< 0.005	< 0.005	—	47.7

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	70.1	70.1	< 0.005	< 0.005	—	70.4
Total	0.00	70.1	70.1	< 0.005	< 0.005	—	70.4
Daily, Winter (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00

Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Total	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	7.95	7.95	< 0.005	< 0.005	—	7.98
Total	0.00	7.95	7.95	< 0.005	< 0.005	—	7.98

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	70.1	70.1	< 0.005	< 0.005	—	70.4
Total	0.00	70.1	70.1	< 0.005	< 0.005	—	70.4
Daily, Winter (Max)	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Total	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00
Consumer Products	—	—	—	—	—	—	—

Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	7.95	7.95	< 0.005	< 0.005	—	7.98
Total	0.00	7.95	7.95	< 0.005	< 0.005	—	7.98

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	23.4	163	187	2.41	0.06	—	264
High Turnover (Sit Down Restaurant)	5.50	37.0	42.5	0.57	0.01	—	60.8
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	28.9	200	229	2.97	0.07	—	325
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	23.4	163	187	2.41	0.06	—	264
High Turnover (Sit Down Restaurant)	5.50	37.0	42.5	0.57	0.01	—	60.8
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	28.9	200	229	2.97	0.07	—	325
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	3.87	27.0	30.9	0.40	0.01	—	43.8
High Turnover (Sit Down Restaurant)	0.91	6.12	7.03	0.09	< 0.005	—	10.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	4.78	33.2	37.9	0.49	0.01	—	53.8

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	23.4	163	187	2.41	0.06	—	264
High Turnover (Sit Down Restaurant)	5.50	37.0	42.5	0.57	0.01	—	60.8
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	28.9	200	229	2.97	0.07	—	325
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	23.4	163	187	2.41	0.06	—	264
High Turnover (Sit Down Restaurant)	5.50	37.0	42.5	0.57	0.01	—	60.8
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	28.9	200	229	2.97	0.07	—	325
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	3.87	27.0	30.9	0.40	0.01	—	43.8
High Turnover (Sit Down Restaurant)	0.91	6.12	7.03	0.09	< 0.005	—	10.1
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	4.78	33.2	37.9	0.49	0.01	—	53.8

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	104	0.00	104	10.4	0.00	—	364
High Turnover (Sit Down Restaurant)	60.7	0.00	60.7	6.07	0.00	—	212
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	165	0.00	165	16.5	0.00	—	576
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	104	0.00	104	10.4	0.00	—	364
High Turnover (Sit Down Restaurant)	60.7	0.00	60.7	6.07	0.00	—	212
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	165	0.00	165	16.5	0.00	—	576
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	17.2	0.00	17.2	1.72	0.00	—	60.3
High Turnover (Sit Down Restaurant)	10.0	0.00	10.0	1.00	0.00	—	35.2
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	27.3	0.00	27.3	2.73	0.00	—	95.4

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	104	0.00	104	10.4	0.00	—	364
High Turnover (Sit Down Restaurant)	60.7	0.00	60.7	6.07	0.00	—	212

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	165	0.00	165	16.5	0.00	—	576
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	104	0.00	104	10.4	0.00	—	364
High Turnover (Sit Down Restaurant)	60.7	0.00	60.7	6.07	0.00	—	212
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	165	0.00	165	16.5	0.00	—	576
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	17.2	0.00	17.2	1.72	0.00	—	60.3
High Turnover (Sit Down Restaurant)	10.0	0.00	10.0	1.00	0.00	—	35.2
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	27.3	0.00	27.3	2.73	0.00	—	95.4

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	2.23	2.23
High Turnover (Sit Down Restaurant)	—	—	—	—	—	14.8	14.8
Total	—	—	—	—	—	17.0	17.0
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	2.23	2.23

High Turnover (Sit Down Restaurant)	—	—	—	—	—	14.8	14.8
Total	—	—	—	—	—	17.0	17.0
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	0.37	0.37
High Turnover (Sit Down Restaurant)	—	—	—	—	—	2.45	2.45
Total	—	—	—	—	—	2.82	2.82

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	2.23	2.23
High Turnover (Sit Down Restaurant)	—	—	—	—	—	14.8	14.8
Total	—	—	—	—	—	17.0	17.0
Daily, Winter (Max)	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	2.23	2.23
High Turnover (Sit Down Restaurant)	—	—	—	—	—	14.8	14.8
Total	—	—	—	—	—	17.0	17.0
Annual	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	0.37	0.37
High Turnover (Sit Down Restaurant)	—	—	—	—	—	2.45	2.45
Total	—	—	—	—	—	2.82	2.82

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.42	0.42	—	—	—	—
Orange Wattle	—	-1.38	-1.38	—	—	—	—
Marina Strawberry Tree	—	-2.19	-2.19	—	—	—	—
Oklahoma Texas Redbud	—	-1.66	-1.66	—	—	—	—
Australian Willow	—	-0.54	-0.54	—	—	—	—
Saratoga Hybrid Laurel	—	-1.73	-1.73	—	—	—	—
Olive	—	-0.41	-0.41	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-2.07	-2.07	—	—	—	—
Coast Live Oak	—	-1.76	-1.76	—	—	—	—
undefined	—	—	—	—	—	—	-11.3
Subtotal	—	-11.3	-11.3	—	—	—	-11.3
Sequestered	—	—	—	—	—	—	—
Mexican Fan Palsm	—	1.05	1.05	—	—	—	—
Orange Wattle	—	-0.79	-0.79	—	—	—	—
Marina Strawberry Tree	—	-2.98	-2.98	—	—	—	—

Oklahoma Texas Redbud	—	-3.38	-3.38	—	—	—	—
Australian Willow	—	-5.18	-5.18	—	—	—	—
Saratoga Hybrid Laurel	—	-5.23	-5.23	—	—	—	—
Olive	—	-2.81	-2.81	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-12.5	-12.5	—	—	—	—
Coast Live Oak	—	-3.67	-3.67	—	—	—	—
undefined	—	—	—	—	—	—	-35.5
Subtotal	—	-35.5	-35.5	—	—	—	-35.5
Removed	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-46.8	-46.8	—	—	—	-46.8
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.42	0.42	—	—	—	—

Orange Wattle	—	-1.38	-1.38	—	—	—	—
Marina Strawberry Tree	—	-2.19	-2.19	—	—	—	—
Oklahoma Texas Redbud	—	-1.66	-1.66	—	—	—	—
Australian Willow	—	-0.54	-0.54	—	—	—	—
Saratoga Hybrid Laurel	—	-1.73	-1.73	—	—	—	—
Olive	—	-0.41	-0.41	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-2.07	-2.07	—	—	—	—
Coast Live Oak	—	-1.76	-1.76	—	—	—	—
undefined	—	—	—	—	—	—	-11.3
Subtotal	—	-11.3	-11.3	—	—	—	-11.3
Sequestered	—	—	—	—	—	—	—
Mexican Fan Palsm	—	1.05	1.05	—	—	—	—
Orange Wattle	—	-0.79	-0.79	—	—	—	—
Marina Strawberry Tree	—	-2.98	-2.98	—	—	—	—
Oklahoma Texas Redbud	—	-3.38	-3.38	—	—	—	—
Australian Willow	—	-5.18	-5.18	—	—	—	—
Saratoga Hybrid Laurel	—	-5.23	-5.23	—	—	—	—
Olive	—	-2.81	-2.81	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-12.5	-12.5	—	—	—	—
Coast Live Oak	—	-3.67	-3.67	—	—	—	—
undefined	—	—	—	—	—	—	-35.5
Subtotal	—	-35.5	-35.5	—	—	—	-35.5
Removed	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—

Orange Wattle	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-46.8	-46.8	—	—	—	-46.8
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.07	0.07	—	—	—	—
Orange Wattle	—	-0.23	-0.23	—	—	—	—
Marina Strawberry Tree	—	-0.36	-0.36	—	—	—	—
Oklahoma Texas Redbud	—	-0.27	-0.27	—	—	—	—
Australian Willow	—	-0.09	-0.09	—	—	—	—
Saratoga Hybrid Laurel	—	-0.29	-0.29	—	—	—	—
Olive	—	-0.07	-0.07	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-0.34	-0.34	—	—	—	—
Coast Live Oak	—	-0.29	-0.29	—	—	—	—
undefined	—	—	—	—	—	—	-1.87
Subtotal	—	-1.87	-1.87	—	—	—	-1.87

Sequestered	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.17	0.17	—	—	—	—
Orange Wattle	—	-0.13	-0.13	—	—	—	—
Marina Strawberry Tree	—	-0.49	-0.49	—	—	—	—
Oklahoma Texas Redbud	—	-0.56	-0.56	—	—	—	—
Australian Willow	—	-0.86	-0.86	—	—	—	—
Saratoga Hybrid Laurel	—	-0.87	-0.87	—	—	—	—
Olive	—	-0.46	-0.46	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-2.07	-2.07	—	—	—	—
Coast Live Oak	—	-0.61	-0.61	—	—	—	—
undefined	—	—	—	—	—	—	-5.88
Subtotal	—	-5.88	-5.88	—	—	—	-5.88
Removed	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

Total	—	-7.75	-7.75	—	—	—	-7.75

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—

Mexican Fan Palsm	—	0.42	0.42	—	—	—	—
Orange Wattle	—	-1.38	-1.38	—	—	—	—
Marina Strawberry Tree	—	-2.19	-2.19	—	—	—	—
Oklahoma Texas Redbud	—	-1.66	-1.66	—	—	—	—
Australian Willow	—	-0.54	-0.54	—	—	—	—
Saratoga Hybrid Laurel	—	-1.73	-1.73	—	—	—	—
Olive	—	-0.41	-0.41	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-2.07	-2.07	—	—	—	—
Coast Live Oak	—	-1.76	-1.76	—	—	—	—
undefined	—	—	—	—	—	—	-11.3
Subtotal	—	-11.3	-11.3	—	—	—	-11.3
Sequestered	—	—	—	—	—	—	—
Mexican Fan Palsm	—	1.05	1.05	—	—	—	—
Orange Wattle	—	-0.79	-0.79	—	—	—	—
Marina Strawberry Tree	—	-2.98	-2.98	—	—	—	—
Oklahoma Texas Redbud	—	-3.38	-3.38	—	—	—	—
Australian Willow	—	-5.18	-5.18	—	—	—	—
Saratoga Hybrid Laurel	—	-5.23	-5.23	—	—	—	—
Olive	—	-2.81	-2.81	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-12.5	-12.5	—	—	—	—
Coast Live Oak	—	-3.67	-3.67	—	—	—	—
undefined	—	—	—	—	—	—	-35.5
Subtotal	—	-35.5	-35.5	—	—	—	-35.5
Removed	—	—	—	—	—	—	—

Mexican Fan Palsm	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-46.8	-46.8	—	—	—	-46.8
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.42	0.42	—	—	—	—
Orange Wattle	—	-1.38	-1.38	—	—	—	—
Marina Strawberry Tree	—	-2.19	-2.19	—	—	—	—
Oklahoma Texas Redbud	—	-1.66	-1.66	—	—	—	—
Australian Willow	—	-0.54	-0.54	—	—	—	—
Saratoga Hybrid Laurel	—	-1.73	-1.73	—	—	—	—
Olive	—	-0.41	-0.41	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-2.07	-2.07	—	—	—	—
Coast Live Oak	—	-1.76	-1.76	—	—	—	—
undefined	—	—	—	—	—	—	-11.3

Subtotal	—	-11.3	-11.3	—	—	—	-11.3
Sequestered	—	—	—	—	—	—	—
Mexican Fan Palsm	—	1.05	1.05	—	—	—	—
Orange Wattle	—	-0.79	-0.79	—	—	—	—
Marina Strawberry Tree	—	-2.98	-2.98	—	—	—	—
Oklahoma Texas Redbud	—	-3.38	-3.38	—	—	—	—
Australian Willow	—	-5.18	-5.18	—	—	—	—
Saratoga Hybrid Laurel	—	-5.23	-5.23	—	—	—	—
Olive	—	-2.81	-2.81	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-12.5	-12.5	—	—	—	—
Coast Live Oak	—	-3.67	-3.67	—	—	—	—
undefined	—	—	—	—	—	—	-35.5
Subtotal	—	-35.5	-35.5	—	—	—	-35.5
Removed	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—
Total	—	-46.8	-46.8	—	—	—	-46.8
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.07	0.07	—	—	—	—
Orange Wattle	—	-0.23	-0.23	—	—	—	—
Marina Strawberry Tree	—	-0.36	-0.36	—	—	—	—
Oklahoma Texas Redbud	—	-0.27	-0.27	—	—	—	—
Australian Willow	—	-0.09	-0.09	—	—	—	—
Saratoga Hybrid Laurel	—	-0.29	-0.29	—	—	—	—
Olive	—	-0.07	-0.07	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-0.34	-0.34	—	—	—	—
Coast Live Oak	—	-0.29	-0.29	—	—	—	—
undefined	—	—	—	—	—	—	-1.87
Subtotal	—	-1.87	-1.87	—	—	—	-1.87
Sequestered	—	—	—	—	—	—	—
Mexican Fan Palsm	—	0.17	0.17	—	—	—	—
Orange Wattle	—	-0.13	-0.13	—	—	—	—
Marina Strawberry Tree	—	-0.49	-0.49	—	—	—	—
Oklahoma Texas Redbud	—	-0.56	-0.56	—	—	—	—
Australian Willow	—	-0.86	-0.86	—	—	—	—
Saratoga Hybrid Laurel	—	-0.87	-0.87	—	—	—	—
Olive	—	-0.46	-0.46	—	—	—	—
Fruitless Olive	—	0.00	0.00	—	—	—	—
Catalina Cherry	—	-2.07	-2.07	—	—	—	—

Coast Live Oak	—	-0.61	-0.61	—	—	—	—
undefined	—	—	—	—	—	—	-5.88
Subtotal	—	-5.88	-5.88	—	—	—	-5.88
Removed	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Total	—	-7.75	-7.75	—	—	—	-7.75

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/24/2024	12/31/2024	5.00	6.00	—
Site Preparation	Site Preparation	1/1/2025	1/15/2025	5.00	11.0	—
Grading	Grading	1/16/2025	4/30/2025	5.00	75.0	—
Building Construction	Building Construction	6/1/2025	5/31/2027	5.00	521	—

Architectural Coating	Architectural Coating	4/1/2027	6/30/2027	5.00	65.0	—
Trenching	Trenching	5/1/2025	5/31/2025	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45

Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	3.00	8.00	16.0	0.38
Building Construction	Other Construction Equipment	Diesel	Average	5.00	8.00	82.0	0.42
Building Construction	Other General Industrial Equipment	Diesel	Average	6.00	8.00	35.0	0.34
Building Construction	Other Material Handling Equipment	Diesel	Average	3.00	8.00	93.0	0.40
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Architectural Coating	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Architectural Coating	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Architectural Coating	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	14.0	0.30
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48

Site Preparation	Tractors/Loaders/Backh	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	3.00	8.00	16.0	0.38
Building Construction	Other Construction Equipment	Diesel	Average	5.00	8.00	82.0	0.42
Building Construction	Other General Industrial Equipment	Diesel	Average	6.00	8.00	35.0	0.34
Building Construction	Other Material Handling Equipment	Diesel	Average	3.00	8.00	93.0	0.40
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Architectural Coating	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Architectural Coating	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Architectural Coating	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	14.0	0.30
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.33	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	67.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	66.7	20.0	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	284	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	53.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	56.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	7.50	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.33	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT

Site Preparation	Hauling	67.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	66.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	284	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	53.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	56.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	7.50	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	631,472	210,491	14,193	4,731	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	200	—
Site Preparation	—	5,936	16.5	0.00	—
Grading	—	40,000	75.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01
2027	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,439	1,373	1,373	518,342	10,206	9,742	9,742	3,676,943
High Turnover (Sit Down Restaurant)	416	378	378	148,013	1,458	3,390	3,390	733,761
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,439	1,373	1,373	518,342	10,206	9,742	9,742	3,676,943
High Turnover (Sit Down Restaurant)	416	378	378	148,013	1,458	3,390	3,390	733,761
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	327
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	327
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
631471.95	210,491	14,193	4,731	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,073,702	690	0.0489	0.0069	3,245,592
High Turnover (Sit Down Restaurant)	308,178	690	0.0489	0.0069	896,332
Enclosed Parking with Elevator	388,339	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,075,143	690	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	308,178	690	0.0489	0.0069	896,332
Enclosed Parking with Elevator	388,339	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	12,188,533	635,851
High Turnover (Sit Down Restaurant)	2,872,036	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	12,188,533	635,851
High Turnover (Sit Down Restaurant)	2,872,036	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	193	—
High Turnover (Sit Down Restaurant)	113	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	193	—
High Turnover (Sit Down Restaurant)	113	—
Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Orange Wattle	8.00	17,003	85.0
Marina Strawberry Tree	14.0	27,228	133
Oklahoma Texas Redbud	15.0	21,429	96.0
Australian Willow	14.0	7,085	30.0
Saratoga Hybrid Laurel	15.0	21,252	106

Olive	1.00	5,193	24.0
Fruitless Olive	2.00	0.00	0.00
Catalina Cherry	12.0	25,490	127
Coast Live Oak	1.00	21,967	107
Mexican Fan Palsm	-9.00	5,779	22.0

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Orange Wattle	8.00	17,003	85.0
Marina Strawberry Tree	14.0	27,228	133
Oklahoma Texas Redbud	15.0	21,429	96.0
Australian Willow	14.0	7,085	30.0
Saratoga Hybrid Laurel	15.0	21,252	106
Olive	1.00	5,193	24.0
Fruitless Olive	2.00	0.00	0.00
Catalina Cherry	12.0	25,490	127
Coast Live Oak	1.00	21,967	107
Mexican Fan Palsm	-9.00	5,779	22.0

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.58	annual days of extreme heat
Extreme Precipitation	6.70	annual days with precipitation above 20 mm

Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	57.0
AQ-PM	90.4
AQ-DPM	90.9
Drinking Water	92.5
Lead Risk Housing	83.5
Pesticides	0.00
Toxic Releases	76.8

Traffic	92.2
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	59.6
Haz Waste Facilities/Generators	54.6
Impaired Water Bodies	66.7
Solid Waste	24.8
Sensitive Population	—
Asthma	63.7
Cardio-vascular	60.6
Low Birth Weights	43.1
Socioeconomic Factor Indicators	—
Education	66.1
Housing	65.2
Linguistic	75.2
Poverty	33.5
Unemployment	60.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	38.44475812
Employed	72.42397023
Median HI	50.67368151
Education	—
Bachelor's or higher	67.68895162

High school enrollment	100
Preschool enrollment	74.72090337
Transportation	—
Auto Access	22.93083537
Active commuting	86.88566662
Social	—
2-parent households	32.15706403
Voting	56.82022328
Neighborhood	—
Alcohol availability	9.624021558
Park access	81.35506224
Retail density	29.39817785
Supermarket access	73.02707558
Tree canopy	89.50340049
Housing	—
Homeownership	15.33427435
Housing habitability	17.64403952
Low-inc homeowner severe housing cost burden	6.557166688
Low-inc renter severe housing cost burden	42.98729629
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	21.67329655
Arthritis	86.1
Asthma ER Admissions	40.8
High Blood Pressure	84.3
Cancer (excluding skin)	71.8
Asthma	65.7

Coronary Heart Disease	74.7
Chronic Obstructive Pulmonary Disease	71.2
Diagnosed Diabetes	57.0
Life Expectancy at Birth	64.6
Cognitively Disabled	56.3
Physically Disabled	77.4
Heart Attack ER Admissions	57.0
Mental Health Not Good	48.5
Chronic Kidney Disease	73.0
Obesity	54.6
Pedestrian Injuries	59.1
Physical Health Not Good	50.9
Stroke	75.8
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	47.6
No Leisure Time for Physical Activity	54.1
Climate Change Exposures	—
Wildfire Risk	53.8
SLR Inundation Area	0.0
Children	83.0
Elderly	57.3
English Speaking	18.0
Foreign-born	82.0
Outdoor Workers	80.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.0

Traffic Density	58.5
Traffic Access	87.4
Other Indices	—
Hardship	46.5
Other Decision Support	—
2016 Voting	38.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Land Use	Project plans. Population derived from Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; July 2023. Estimates from City of Los Angeles VMT Calculator, version 1.3.
Construction: Construction Phases	Developer information
Construction: Off-Road Equipment	Developer information
Construction: Trips and VMT	Assumes 10 CY haul truck capacity
Operations: Hearths	Project plans
Operations: Vehicle Data	—

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GREENHOUSE GAS EMISSIONS OVERVIEW

Sunset & Everett Project

GHG Emissions Impact Compared to "Project Without Reduction Features" Scenario

Source	Project Without Reduction Features (2027)	As Proposed (2027)	Reduction from Project Without Reduction Features	Change from Project Without Reduction Features Scenario
Area	8	8	-	0%
Energy	1,043	605	(438)	-42%
Mobile	2,188	1,536	(652)	-30%
Waste	95	95	-	0%
Water	54	54	-	0%
Refrigerants	3	3	-	0%
Vegetation	(8)	(8)	-	0%
Construction	116	116	-	0%
Total Emissions	3,499	2,409	(1,090)	-31.2%

Mobile Source Emissions	Pavley emission standards (19.8% reduction)
	Low carbon fuel standard (7.2% reduction)
	Vehicle efficiency measures (2.8% reduction)
Energy Production Assumptions	Natural gas transmission and distribution efficiency measures (7.4% reduction)
	Natural gas extraction efficiency measures (1.6% reduction)
	Renewables (electricity) portfolio standard (33% reduction)

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TREE SEQUESTRATION CALCULATIONS

Project Report - i-Tree Planting Calculator

Location: Los Angeles, California 90004
Electricity Emissions Factor: 252.40 kilograms CO2 equivalent/MWh
Fuel Emissions Factor: 52.00 kilograms CO2 equivalent/MMBtu
Lifetime: 40 years
Project Lifetime Tree Mortality: 70%

All amounts in the tables are for the full lifetime of the project.

Location		CO_2 (Carbon Dioxide) Benefits			
Group Identifier	**Tree Group Characteristics**	**CO_2 (Carbon Dioxide) Avoided (pounds)**	**CO_2 Avoided ($)**	**CO_2 Sequestered (pounds)**	**CO_2 Sequestered ($)**
1	• (9.0) Mexican fan palm(Washingtonia robusta) at 6.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	6,103.6	$141.95	15,402.8	$358.22
Total		**6,103.6**	**$141.95**	**15,402.8**	**$358.22**

Location		Energy Benefits			
Group Identifier	**Tree Group Characteristics**	**Electricity Saved (kWh) (Kilowatt-Hours)**	**Electricity Saved ($)**	**Fuel Saved (MMBtu) (Millions of British Thermal Units)**	**Fuel Saved ($)**
1	• (9.0) Mexican fan palm(Washingtonia robusta) at 6.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	5,779.4	$1,183.05	22.5	$290.60
Total		**5,779.4**	**$1,183.05**	**22.5**	**$290.60**

Location		Ecological Benefits			
Group Identifier	**Tree Group Characteristics**	**Tree Biomass (short ton)**	**Rainfall Interception (gallons)**	**Runoff Avoided (gallons)**	**Runoff Avoided ($)**
1	• (9.0) Mexican fan palm(Washingtonia robusta) at 6.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	2.5	167,605.3	50,971.7	$455.48
Total		**2.5**	**167,605.3**	**50,971.7**	**$455.48**

Location		Air Benefits									
Group Identifier	Tree Group Characteristics	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	VOC (Volatile Organic Compound) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Avoided (pounds)	$PM_{2.5}$ (Particulate matter smaller than 2.5 micrometers in diameter) Removed (pounds)	Avoided Value (Values for avoided pollutants) ($)	Removal Value (Values for removed pollutants) ($)
1	• (9.0) Mexican fan palm(Washingtonia robusta) at 6.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	153.01	0.44	34.78	1.54	2.79	3.02	1.90	0.86	$10.54	$845.05
Total		**153.01**	**0.44**	**34.78**	**1.54**	**2.79**	**3.02**	**1.90**	**0.86**	**$10.54**	**$845.05**

Sequestration and biomass are gross values that exclude losses to mortality.

Application v2.6.0, powered by engine v0.13.0 (APIv2) and database v12.0.49.

www.fs.fed.us
www.davey.com
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www.urban-forestry.com

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Use of this tool indicates acceptance of the End-User License Agreement (EULA), which can be found at: https://help.itreetools.org/eula/

Version 2.6.0

Project Report - i-Tree Planting Calculator

Location: Los Angeles, California 90004
Electricity Emissions Factor: 252.40 kilograms CO2 equivalent/MWh
Fuel Emissions Factor: 52.00 kilograms CO2 equivalent/MMBtu
Lifetime: 40 years
Project Lifetime Tree Mortality: 70%

All amounts in the tables are for the full lifetime of the project.

Location		CO_2 (Carbon Dioxide) Benefits			
Group Identifier	**Tree Group Characteristics**	**CO_2 (Carbon Dioxide) Avoided (pounds)**	**CO_2 Avoided ($)**	**CO_2 Sequestered (pounds)**	**CO_2 Sequestered ($)**
1	• (8.0) Orange wattle(Acacia saligna) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	20,156.3	$468.77	11,583.1	$269.39
2	• (14.0) Strawberry tree(Arbutus unedo) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	31,934.3	$742.69	43,441.5	$1,010.31
3	• (15.0) Redbud(Syzygium myrtifolium) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	24,181.0	$562.38	49,400.0	$1,148.89
4	• (14.0) Wilga; australian willow(Geijera parviflora) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	7,822.2	$181.92	75,664.5	$1,759.72
5	• (10.0) Macaronesian laurel(Laurus azorica) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	25,191.0	$585.86	76,415.4	$1,777.19
6	• (3.0) Black olive(Bucida buceras) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	5,986.4	$139.23	40,970.5	$952.85
7	• (12.0) Catalina cherry(Prunus lyonii) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	30,200.1	$702.36	182,818.7	$4,251.80
8	• (12.0) Coastal live oak(Quercus agrifolia) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	25,687.1	$597.40	53,562.5	$1,245.70
Total		**171,158.4**	**$3,980.62**	**533,856.1**	**$12,415.85**

Location		Energy Benefits			
Group Identifier	Tree Group Characteristics	Electricity Saved (kWh) (Kilowatt-Hours)	Electricity Saved ($)	Fuel Saved (MMBtu) (Millions of British Thermal Units)	Fuel Saved ($)
1	• (8.0) Orange wattle(Acacia saligna) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	17,003.8	$3,480.67	85.3	$1,103.17
2	• (14.0) Strawberry tree(Arbutus unedo) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	27,228.7	$5,573.71	133.5	$1,727.86
3	• (15.0) Redbud(Syzygium myrtifolium) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	21,429.2	$4,386.55	96.8	$1,252.44
4	• (14.0) Wilga; australian willow(Geijera parviflora) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	7,085.4	$1,450.38	30.5	$394.58
5	• (10.0) Macaronesian laurel(Laurus azorica) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	21,252.6	$4,350.41	106.5	$1,378.61
6	• (3.0) Black olive(Bucida buceras) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	5,193.9	$1,063.19	24.6	$317.73
7	• (12.0) Catalina cherry(Prunus lyonii) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	25,490.2	$5,217.85	127.7	$1,651.95
8	• (12.0) Coastal live oak(Quercus agrifolia) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	21,967.7	$4,496.78	107.1	$1,385.33
Total		**146,651.4**	**$30,019.54**	**711.9**	**$9,211.66**

Location		Ecological Benefits			
Group Identifier	Tree Group Characteristics	Tree Biomass (short ton)	Rainfall Interception (gallons)	Runoff Avoided (gallons)	Runoff Avoided ($)
1	• (8.0) Orange wattle(Acacia saligna) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	1.4	56,720.5	17,249.7	$154.14
2	• (14.0) Strawberry tree(Arbutus unedo) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	6.5	106,181.3	32,291.6	$288.56
3	• (15.0) Redbud(Syzygium myrtifolium) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	7.4	80,756.4	24,559.4	$219.46
4	• (14.0) Wilga; australian willow(Geijera parviflora) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	9.2	94,234.7	28,658.4	$256.09
5	• (10.0) Macaronesian laurel(Laurus azorica) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	10.2	80,209.9	24,393.2	$217.98
6	• (3.0) Black olive(Bucida buceras) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	6.3	23,148.8	7,040.0	$62.91
7	• (12.0) Catalina cherry(Prunus lyonii) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	28.8	167,800.0	51,030.9	$456.01
8	• (12.0) Coastal live oak(Quercus agrifolia) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	8.9	98,737.0	30,027.7	$268.33
Total		**78.6**	**707,788.6**	**215,250.9**	**$1,923.48**

Location		Air Benefits									
							VOC	$PM_{2.5}$ (Particulate matter smaller than	$PM_{2.5}$ (Particulate matter smaller than	Avoided Value (Values	Removal Value (Values

Group Identifier	Tree Group Characteristics	O_3 (Ozone) Removed (pounds)	NO_2 (Nitrogen Dioxide) Avoided (pounds)	NO_2 (Nitrogen Dioxide) Removed (pounds)	SO_2 (Sulfur Dioxide) Avoided (pounds)	SO_2 (Sulfur Dioxide) Removed (pounds)	(Volatile Organic Compound) Avoided (pounds)	2.5 micrometers in diameter) Avoided (pounds)	2.5 micrometers in diameter) Removed (pounds)	for avoided pollutants) ($)	for removed pollutants) ($)
1	• (8.0) Orange wattle(Acacia saligna) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	81.56	1.45	20.90	5.10	1.42	8.98	5.61	1.10	$31.77	$564.91
2	• (14.0) Strawberry tree(Arbutus unedo) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	117.81	2.30	28.19	8.08	2.10	14.36	8.98	0.97	$50.76	$704.43
3	• (15.0) Redbud(Syzygium myrtifolium) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	104.97	1.74	26.36	6.12	1.84	11.26	7.05	1.28	$39.62	$702.71
4	• (14.0) Wilga; australian	108.30	0.56	26.15	1.98	1.93	3.71	2.33	0.95	$13.04	$658.23

	willow(Geijera parviflora) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.										
5	• (10.0) Macaronesian laurel(Laurus azorica) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	102.09	1.81	25.34	6.38	1.80	11.22	7.01	1.09	$39.71	$656.01
6	• (3.0) Black olive(Bucida buceras) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	32.44	0.43	8.28	1.52	0.57	2.73	1.71	0.43	$9.65	$223.87
7	• (12.0) Catalina cherry(Prunus lyonii) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of	194.33	2.17	47.06	7.64	3.45	13.46	8.41	1.75	$47.63	$1,189.08

	buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.										
8	• (12.0) Coastal live oak(Quercus agrifolia) at 2.0 inches DBH (Diameter at Breast Height). • Planted 0-19 feet and north (0°) of buildings that were built post-1980 with heating and cooling. • Trees are in excellent condition and planted in full sun.	138.43	1.85	35.26	6.50	2.41	11.58	7.24	1.80	$40.93	$945.78
Total		**879.92**	**12.31**	**217.56**	**43.32**	**15.52**	**77.30**	**48.34**	**9.37**	**$273.10**	**$5,645.02**

Sequestration and biomass are gross values that exclude losses to mortality.

Application v2.6.0, powered by engine v0.13.0 (APIv2) and database v12.0.49.

www.fs.fed.us
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www.arborday.org
www.urban-forestry.com

www.isa-arbor.com
www.caseytrees.org
www.esf.edu
www.northeasternforests.org

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Version 2.6.0

Phase I Environmental Site Assessment

REPORT DATE: June 5, 2023, Revised October 26, 2023

PROPERTY INFORMATION:
1185-1247 W Sunset Boulevard and 917 N Everett Street
Los Angeles, Los Angeles County, California 90026

PROJECT INFORMATION:
AEI Project No. 479224
Site Assessment Date: May 31, 2023

PREPARED FOR:
Aragon Development
1750 Glendale Boulevard Unit 102
Los Angeles, California 90026

PREPARED BY:
AEI Consultants - Corporate Headquarters
2500 Camino Diablo
Walnut Creek, California 94597

1.800.801.3224
www.aeiconsultants.com

June 5, 2023, Revised October 26, 2023

Jeffrey Farrington
Aragon Development
1750 Glendale Boulevard Unit 102
Los Angeles, California 90026

Subject: **Phase I Environmental Site Assessment**
1185-1247 W Sunset Boulevard and 917 N Everett Street
Los Angeles, California 90026
AEI Project No. 479224

Dear Jeffrey Farrington:

AEI Consultants is pleased to provide the *Phase I Environmental Site Assessment* of the above referenced property. This assessment was authorized and performed in accordance with the scope of services engaged.

We appreciate the opportunity to provide services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 798-4255 or abennett@aeiconsultants.com.

Sincerely,

Adam Bennett
Senior Vice President
AEI Consultants

PROJECT SUMMARY

1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, Los Angeles County, California 90026
AEI Project No. 479224

Report Section		REC	CREC	HREC	OEC	Recommended Action
1.0	Introduction					None
2.0	Site and Vicinity Description					None
3.0	Historical Records Review			✔		None
4.0	Regulatory Agency Records Review			✔		None
5.0	Regulatory Database Records Review					None
6.0	Interviews and User Provided Information			✔	✔	None
7.0	Site Reconnaissance					None
8.1	Asbestos-Containing Building Materials					None
8.2	Lead-Based Paint					None
8.3	Naturally-Occurring Radon					None
8.4	Suspect Mold or Microbial Growth Conditions					None

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REPORT VIABILITY

Site Visit	May 31, 2023
Regulatory Database Review	May 23, 2023
Interview(s)	Property Owner: N/A Key Site Manager: May 24, 2023
EP Declaration	June 5, 2023, Revised October 26, 2023
Environmental Lien Search (if conducted by AEI)	N/A
Report Viability per ASTM E1527-21	November 19, 2023

The dates listed are required for Users who are using the report in connection with CERCLA liability protections. The User may have their own criteria when the report is being used for business risk purposes, and not CERCLA liability protections.

EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by Aragon Development to conduct a Phase I ESA in conformance with AEI's contract and the scope and limitations of ASTM Standard Practice E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), for the property located at 1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

Pertinent subject property information is noted below:

Property Information	
Site Address(es)	1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, Los Angeles County, California 90026
Property ID (APN or Block/Lot)	5406-016-003, 6, 7, 10, 11, 13, 16, 19, 21, 23, 28
Location	Bound by West Sunset Boulevard and Everett Street
Property Type	Vacant Land
Site and Building Information	
Approximate Site Acreage/Source	2.66/Client provided
Number of Buildings	N/A
Building Construction Date(s)/Source	N/A
Building Square Footage (SF)/Source	N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area(s)	None identified
Number of Units	N/A
Additional Improvements	N/A
On-site Occupant(s)	N/A
Current On-site Operations/Use	Vacant land
Current Use of Hazardous Substances	None identified
Regulatory Information	
Regulatory Database Listing(s)	RCRA NONGEN/NLR (2), HAZMAT (2), FINDS (4), ECHO (2), EDR HIST AUTO (3), HWTS (3), HAZNET, CERS HAZ WASTE

A chronological summary of historical subject property information is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
Prior to 1906	Unknown use/Data failure; refer to Section 1.6.1	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps, Newspapers.com
1906	Vacant land and residential buildings (1193, 1197, 1201, 1243 West Sunset Boulevard, 963 Everett Street)	Sanborn fire insurance map
1906-1946	Unknown use/Data failure for 1229 West Sunset Boulevard; refer to Section 1.6.1	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps, Newspapers.com
1946	Gas station (1229 West Sunset Boulevard)	Building permit

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
1925-2022	Residential buildings (until at least 2012); commercial/ industrial buildings used for printing (1950-1971), gas station (1925-1976), auto repair (1929-2013), chemical disinfectant manufacturing (1950-1954), sign painting (1950-1970), other industrial/manufacturing companies, retail (1181, 1185, 1187, 1193, 1197, 1201, 1203, 1205, 1207, 1211, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245 West Sunset Boulevard, 917 Everett Street)	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps
2023	Vacant land (1185-1247 West Sunset Boulevard, 917 Everett Street)	Site visit

The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Residences (1251 West Sunset Boulevard) Residence (1063 West Mayflower Court)	None identified
East	Residences (921, 927, 931, 937, 939, 943, 949, 955, 965, 971, 977, 981 Everett Street) Everett Street followed by: Residences (908, 920, 924, 930, 960, 966, 970 Everett Street)	None identified
South	Everett Street followed by: Residences (817 White Knoll Drive) Auto repair (1161 West Sunset Boulevard)	Yes; refer to Section 5.1
West	West Sunset Boulevard followed by: Office building (1250 West Sunset Boulevard) Vacant land (1246 West Sunset Boulevard) Residences (1190, 1202, 1206, 1210, 1236 West Sunset Boulevard) Office, residences/Mixed use (1218, 1226, 1230, 1234 West Sunset Boulevard) Residences (1110 Marion Avenue) Vacant land (1186 West Sunset Boulevard) Warehouse (1176 West Sunset Boulevard)	None identified

Findings and Opinions

Significant Data Gap(s) is defined by the current ASTM Standard E1527 as a data gap that affects the ability of the environmental professional to identify a recognized environmental condition.

AEI did not identify significant data gaps which affected our ability to identify RECs.

Recognized Environmental Condition (REC) is defined by the current ASTM Standard E1527 as the (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to

the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- AEI did not identify evidence of RECs during the course of this assessment.

Controlled Recognized Environmental Condition (CREC) is defined by the current ASTM Standard E1527 as a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

- AEI did not identify evidence of CRECs during the course of this assessment.

Historical Recognized Environmental Condition (HREC) is defined by the current ASTM Standard E1527 as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- The subject property was historically used for various industrial/manufacturing and auto operations as early as the 1920s. The portion of the subject property currently associated with the addresses 1205 and 1207 West Sunset Boulevard, was developed with a commercial building and a residential building. The southern part of the commercial building, identified with 1205 Sunset Boulevard, was an upholstery company, plastic key tag manufacturer, and other businesses. The northern portion of the commercial building, identified with 1207 West Sunset Boulevard, was a chemical manufacturer of disinfectants from at least 1950 to 1954. The portion of the subject property currently associated with the address 1211 West Sunset Boulevard was developed with a commercial/industrial building with businesses including printing operations from at least 1950 to 1971 and auto repair and service station in 1929. However, based on historical sources, the site is not developed in 1928 and 1938. This former auto repair and service station may have been associated with the adjoining area to the north, at 1229 West Sunset Boulevard. Historical operations at the former building at 1211 West Boulevard were typically associated with the use of hazardous materials, including solvents and oils. In addition, the subject property was also historically used for printing operations. Many printing industries generate waste ink and ink sludges that might contain solvents or heavy metals. Photographic processes are also typically associated with major printing operations for image conversion and plate making. Photographic wastes, including heavy metal solutions, developers, hardeners, plating chemicals, and spent solvents, make up a large portion of the hazardous waste generated in these industries. Solvents used during printing operations may include chlorinated solvents, which are highly mobile and can easily accumulate in the soil. These solvents, even when properly stored and disposed of, can be released from these facilities in small, frequent releases

through floor drains, cracked concrete, and sewer systems. From at least 1950, the portion of the property associated with the address 1227, 1229, and 1231 West Sunset Boulevard was developed with a commercial building, which was occupied by a furniture company, sign manufacturer/painting company, neon sign manufacturer, and other businesses. The portion of the subject property currently associated with the addresses 1235, 1237, and 1239 West Sunset Boulevard was historically developed with a commercial/industrial building that was formerly occupied by several businesses, including a sign painting company from at least 1950 to 1970.

AEI completed a Phase II at the property in 2013, and is discussed in Section 6.3. A total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. sample locations are depicted on Figure 2c within the appendices of this report. The borings were advanced to depths of 4.5 to 20 feet bgs. Borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property. Within the area surveyed, the USTs were identified and mapped along the southwestern property addressed as 1185 West Sunset Boulevard. No other undocumented USTs, buried drums or any other anomalous buried objects were detected. VOCs and TPH were not detected in soil samples above the laboratory detection limits. VOCs and TPH were not detected in the groundwater sample above the laboratory detection limits. Since sampling occurred, the site has been cleared of all former buildings, with surface grading in some areas throughout the subject property. Due to the lack of a release detected, AEI did not recommend any further action for the subject property at the time. Based on the lack of release, the historical on-site industrial operations represent a HREC.

Other Environmental Considerations (OEC) warrant discussion, but do not qualify as RECs as defined by the current ASTM Standard E1527. These include, but are not limited to, de minimis conditions and/or environmental considerations such as the presence of ACMs, LBP, radon, mold, and lead in drinking water, which can affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property. A de minimis condition is defined by the ASTM Standard as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Based on building permits, there was a former gas station building converted into a commercial store building in 1946. According to historical sources, AEI was not able to track the history of the portion of the subject property located at 1229 West Sunset Boulevard between the years 1906 to 1946 and this is considered a data gap. In a Sanborn map from 1906, this parcel appears to be vacant land. In a Sanborn map from 1950, this parcel appears to be occupied by a furniture store and/or manufacturer. By 1953, the building appears to have an extension added to the east side, and new addresses were assigned for this building in 1964 including 1227 and 1231 W. Sunset Boulevard. City directories for this address were not provided. According to a building permit from 1946, this parcel was converted from a gas station to a store. It is possible that there was a gas station at this address sometime between 1906 to 1946. No other significant information was obtained by AEI. AEI completed a Phase II at the property in 2013. A total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. Sample locations are

depicted in Figure 2c within the appendices of this report. The borings were advanced to depths of 4.5 to 20 feet bgs. Borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property including one sample in the historical building noted as a gas station at 1229, and an additional sample in the eastern extension of the former building. A limited exterior GPR survey was conducted on the subject property. USTs were identified at the southern former gas station at 1185 W. Sunset Boulevard, and the exact area that the GPR survey area was conducted was not noted. However, the presence of tanks was not noted at the former central gas station. Additionally, no records of tanks were found from requested Fire Department records. It should be noted that a GPR survey was not available for the interior of the former subject building at 1185. However, based on recent construction activity, all former buildings have been demolished and cleared from the subject property with light surface soil grading noted. Based on the lack of contamination or tanks found during sampling, this is not considered a significant environmental concern. However, due to sampling limitations, it is AEI's opinion that a Soil Management Plan (SMP) be implemented prior to and redevelopment of the subject property in order to address any unknown issues or unidentified subsurface features that may be discovered during future construction activities.

- According to LA ZIMAS, the subject property is located near significant oil production areas known as “Methane Zones”. Methane Zone sites include properties immediately surrounding gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Due to the potential environmental risk associated with construction in Methane Zones, the property owner is required to conduct a methane assessment prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).
- According to the prior report. AEI observed an area within the former auto garage that is indicative of a former underground hydraulic lift. It is unknown when the lifts were installed; however, the subject property has operated as a gas station from at least 1927 and as an automotive repair from at least the mid 1960’s. Therefore, it is possible that the former underground lift was installed as early as the 1960’s. Polychlorinated biphenyls (PCBs) were used in the past in dielectric fluids and oils in a variety of equipment, including hydraulic lift equipment. Soil testing was reportedly conducted by Petra in 2007 and no significant impacts were reported. AEI completed a Phase I and Phase II investigation at the property in 2013, discussed in Section 6.3 of this report. It was reported in the Phase I report, that the underground lift appeared to have been removed. No sampling information was provided post removal. However, the Phase II conducted in 2013, sample locations were noted around the former auto repair building with a groundwater monitoring wells installed south and down-gradient of the former auto repair shop and no contamination was report. Additionally, all of the former subject buildings, including the former repair shop have been demolished and cleared from the subject property, with surface soil grading observed in the location of the former repair shop. No apparent evidence of subsurface features were observed. Based on this information, this is not expected to represent a significant environmental concern.

CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E1527-21, of 1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, Los Angeles County, California, the *subject property*. Any exceptions to, or deletions from, this practice are described in Sections 1.4, 1.5, and 1.6 of this report.

As listed in the Findings section above, this assessment has revealed recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property.

RECOMMENDATIONS

AEI recommends no further investigation for the subject property at this time.

1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment performed in conformance with AEI's contract and scope and limitations of ASTM Standard Practice E1527-21 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), for the property located at 1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, Los Angeles County, California (Appendix A: Figures and Appendix B: Property Photographs).

1.1 Scope of Work

The purpose of the Phase I ESA is to assist the client in identifying potential RECs, in accordance with the most current ASTM E1527 Standard associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal, and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

1.2 Additional Services

Other Environmental Considerations such as ACMs, LBP, lead in drinking water, radon, mold, and wetlands can result in business environmental risks for property owners which may disrupt current or planned operations or cash flow and are generally beyond the scope of a Phase I assessment as defined by the current ASTM Standard E1527. Based upon the agreed-on scope of services this ESA did not include subsurface or other invasive assessments, business environmental risks, or other services not specifically identified and discussed herein.

1.3 Significant Assumptions

The following assumptions are made by AEI in this report. AEI relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow, unless otherwise specified by on-site well data or well data from the subject property or nearby sites, is inferred from contour information depicted on the USGS topographic maps. AEI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.4 LIMITATIONS

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this assessment apply strictly to the environmental regulations and property conditions existing at the time the assessment was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the assessment.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under the current ASTM Standard E1527.

If requested by the client, these non-scope issues are discussed herein. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under CERCLA. The current ASTM Standard E1527 and the United States EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1. 42 U.S.C. § 9601(35)(B), referenced in the current ASTM Standard E1527.
2. Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).
3. 42 U.S.C. § 9601(40) and 42 U.S.C. § 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, current subject property use, and observations and conditions that existed on the date and time of the property reconnaissance.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

AEI's limited radon screening, if included, is intended to provide a preliminary screening to evaluate the potential presence of elevated radon concentrations at the site. The proposed scope is not intended to define the full extent of the presence of radon at the subject property. As such, the results should be used for lending purposes only. The recommendations and conclusions presented as a result of the limited preliminary radon screening apply strictly to the property conditions existing at the time the sampling was performed. The sample analytical results are only valid for the time, place, and condition of the site at the time of collection and AEI does not warrant that the results will be repeatable or are representative of past or future conditions.

1.5 Limiting Conditions/Deviations

The performance of this assessment was limited by the following:

- While additional assessments may have been conducted on the subject property, these documents must be provided for AEI's review in order for the information to be summarized/included in this report. Please refer to Section 6.3 for a summary of previous reports and other documentation provided to AEI during this assessment.
- The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.
- The subject property owner was not interviewed during this assessment. Based on information obtained from other sources, including the key site manager, this limiting condition is not expected to alter the overall findings of this assessment.
- Due to the size of the subject property, AEI performed a reconnaissance of the property utilizing a field technique of traversing the site in an attempt to provide an overlapping field of view. Due to the size of the property and the vegetation present on site, isolated areas of the site were not accessible for direct observation during AEI's field reconnaissance. Based on historical resources, this limitation is not expected to significantly alter the findings of this assessment.

1.6 Data Failure and Data Gaps

According to the current ASTM Standard E1527, data gaps occur when the Environmental Professional is unable to obtain information required by the Standard, despite good faith efforts to gather such information. Pursuant to the current ASTM Standard E1527, only significant data gaps, defined as those that affect the ability of the Environmental Professional to identify RECs, need to be documented.

Data failure is one type of data gap. According to the current ASTM Standard E1527, data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. Pursuant to the current ASTM Standard E1527, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier, or periods of five years or greater.

1.6.1 Data Failure

The following data failure was identified during the course of this assessment:

Data Failure	The earliest historical resource obtained during this assessment was a Sanborn map from 1906 indicating that the subject property was developed with residences. The lack of historical sources for the subject property dating back to first developed use represents historical data source failure. However, as it is assumed that the subject property would have been previously used for residential purposes, if not undeveloped, this data failure is not expected to significantly alter the findings of this assessment.
Information/Sources Consulted	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps

Data Failure	AEI was not able to track the history of the portion of the subject property located at 1229 West Sunset Boulevard between the years 1906 to 1946. In a Sanborn map from 1906, this parcel appears to be vacant land. In a Sanborn map from 1950, this parcel appears to be occupied by a furniture store and/or manufacturer. City directories for this address were not provided. According to a building permit from 1946, this parcel was converted from a gas station to a store. It is possible that there was a gas station at this address sometime between 1906 to 1946. No other significant information was obtained by AEI. AEI completed a Phase II at the property in 2013. Borings were advanced at select locations of previously suspected industrial operations that could have impacted the subject property. No undocumented USTs, buried drums or any other anomalous buried objects were detected. VOCs and TPH were not detected in soil samples above the laboratory detection limits. VOCs and TPH were not detected in the groundwater sample above the laboratory detection limits. Due to the lack of a release detected, AEI did not recommend any further action for the subject property at this time. Based on the lack of contamination, this data failure is not expected to represent a significant environmental concern.
Information/Sources Consulted	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps, Newspapers.com

1.6.2 Significant Data Gaps

AEI did not identify significant data gaps which affected our ability to identify RECs.

1.7 Reliance

All reports, both verbal and written, are for the benefit of Aragon Development. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's contract and Terms and Conditions executed by Aragon Development on May 22, 2023. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 Site Location and Description

Property Information	
Site Address(es)	1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, Los Angeles County, California 90026
Property ID (APN or Block/Lot)	5406-016-003, 6, 7, 10, 11, 13, 16, 19, 21, 23, 28
Location	Bound by West Sunset Boulevard and Everett Street
Property Type	Vacant Land
Site and Building Information	
Approximate Site Acreage/Source	2.66/Client provided
Number of Buildings	N/A
Building Construction Date(s)/Source	N/A
Building Square Footage (SF)/Source	N/A
Number of Floors/Stories	N/A
Basement or Subgrade Area(s)	None identified
Number of Units	N/A
Additional Improvements	N/A
On-site Occupant(s)	N/A
Current On-site Operations/Use	Vacant land
Current Use of Hazardous Substances	None identified
Regulatory Information	
Regulatory Database Listing(s)	RCRA NONGEN/NLR (2), HAZMAT (2), FINDS (4), ECHO (2), EDR HIST AUTO (3), HWTS (3), HAZNET, CERS HAZ WASTE

2.2 On-Site Utilities

The subject property is currently vacant land and lacks structures. Consequently, there are no on-site heating or cooling systems, or potable water or sewage disposal/treatment services.

2.3 Site and Vicinity Characteristics

The subject property is located in a commercial and residential area of Los Angeles, California. The immediately surrounding properties consist of the following:

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
North	Residences (1251 West Sunset Boulevard) Residence (1063 West Mayflower Court)	None identified
East	Residences (921, 927, 931, 937, 939, 943, 949, 955, 965, 971, 977, 981 Everett Street) Everett Street followed by: Residences (908, 920, 924, 930, 960, 966, 970 Everett Street)	None identified
South	Everett Street followed by: Residences (817 White Knoll Drive) Auto repair (1161 West Sunset Boulevard)	Yes; refer to Section 5.1
West	West Sunset Boulevard followed by:	None identified

Direction	Tenant/Use (Address)	Regulatory Database Listing(s)
	Office building (1250 West Sunset Boulevard) Vacant land (1246 West Sunset Boulevard) Residences (1190, 1202, 1206, 1210, 1236 West Sunset Boulevard) Office, residences/Mixed use (1218, 1226, 1230, 1234 West Sunset Boulevard) Residences (1110 Marion Avenue) Vacant land (1186 West Sunset Boulevard) Warehouse (1176 West Sunset Boulevard)	

2.4 PHYSICAL SETTING

Geologic Unit: Description/Source	M: Marine sedimentary rocks; Miocene age; sandstone, shale, siltstone, conglomerate, and breccia; moderately to well consolidated/USGS and United States Department of the Interior
Soil Series: Description/Source	1240—Urban land-Dapplegray complex, 5 to 20 percent slopes Urban Land: this designation indicates that more than 85 percent of the original soils have been disturbed or covered by paved surfaces, buildings or other structures; due to the variability of the soil material, on-site investigation would be required to determine the specific soil composition at the subject property/USDA Soil Survey
Groundwater Flow Direction/Source	South/Topographic map interpretation
Estimated Depth to Groundwater/Source	17 feet bgs/Groundwater monitoring data for 1165 West Sunset Boulevard, obtained from GeoTracker
Surface waters on the subject property or adjoining sites	None
Additional notes	None

Note: Groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells. Depth and gradient of the water table can change seasonally in response to variation in precipitation and recharge, and over time, in response to urban development such as storm water controls, impervious surfaces, pumping wells, cleanup activities, dewatering, seawater intrusion barrier projects near the coast, and other factors.

3.0 HISTORICAL RECORDS REVIEW

Reasonably ascertainable standard historical sources as outlined in the current ASTM Standard E1527 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historical city directories, Sanborn fire insurance maps, and agency records, is as follows:

Date Range	Subject Property Description and Occupancy (Historical Addresses)	Source(s)
Prior to 1906	Unknown use/Data failure; refer to Section 1.6.1	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps, Newspapers.com
1906	Vacant land and residential buildings (1193, 1197, 1201, 1243 West Sunset Boulevard, 963 Everett Street)	Sanborn fire insurance map
1906-1946	Unknown use/Data failure for 1229 West Sunset Boulevard; refer to Section 1.6.1	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps, Newspapers.com
1946	Gas station (1229 West Sunset Boulevard)	Building permit
1925-2022	Residential buildings (until at least 2012); commercial/ industrial buildings used for printing (1950-1971), gas station (1925-1976), auto repair (1929-2013), chemical disinfectant manufacturing (1950-1954), sign painting (1950-1970), other industrial/manufacturing companies, retail (1181, 1185, 1187, 1193, 1197, 1201, 1203, 1205, 1207, 1211, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245 West Sunset Boulevard, 917 Everett Street)	Aerial photographs, city directories, Sanborn fire insurance maps, agency records, previous reports, interviews, historical topographic maps
2023	Vacant land (1185-1247 West Sunset Boulevard, 917 Everett Street)	Site visit

The following historical addresses were associated with the subject property: 1181, 1185, 1187, 1193, 1197, 1201, 1203, 1205, 1207, 1211, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245 West Sunset Boulevard, 917, 963 Everett Street. These addresses were also researched as part of this assessment.

In 1906, the entire subject property consisted of vacant lots and single-family residences. From at least 1925 to at least 1976, the southern portion of the subject property associated with the addresses 1181, 1187 (historical addresses), and 1185 West Sunset Boulevard, was developed with a gas station. According to fire records, new tanks were installed in 1925 and 1960. The gas station was then converted into an auto repair shop from at least 1994 to 2013. Additionally, according to building records an additional gas station was noted at 1229 West Sunset Boulevard, and is discussed in Section 4.3.

The subject property was historically used for various industrial/manufacturing and auto operations as early as the 1920s. The portion of the subject property currently associated with the addresses 1205 and 1207 West Sunset Boulevard, was developed with a commercial building and a residential building. The southern part of the commercial building, identified with 1205 Sunset Boulevard, was an upholstery company, plastic key tag manufacturer, and other businesses. The northern portion of the commercial building, identified with 1207 West Sunset Boulevard, was a chemical manufacturer of disinfectants from at least 1950 to 1954. The portion of the subject property currently associated with the address 1211 West Sunset Boulevard was developed with a commercial/industrial building with businesses including printing operations from at least 1950 to 1971 and auto repair and service station in 1929. However, based on historical sources, the site is not developed in 1928 and 1938. This former auto repair and service station may have been associated with the adjoining area to the north, at 1229 West Sunset Boulevard. Historical operations at the former building at 1211 West Boulevard were typically associated with the use of hazardous materials, including solvents and oils. In addition, the subject property was also historically used for printing operations. Many printing industries generate waste ink and ink sludges that might contain solvents or heavy metals. Photographic processes are also typically associated with major printing operations for image conversion and plate making. Photographic wastes, including heavy metal solutions, developers, hardeners, plating chemicals, and spent solvents, make up a large portion of the hazardous waste generated in these industries. Solvents used during printing operations may include chlorinated solvents, which are highly mobile and can easily accumulate in the soil. These solvents, even when properly stored and disposed of, can be released from these facilities in small, frequent releases through floor drains, cracked concrete, and sewer systems. From at least 1950, the portion of the property associated with the address 1227, 1229, and 1231 West Sunset Boulevard was developed with a commercial building, which was occupied by a furniture company, sign manufacturer/painting company, neon sign manufacturer, and other businesses. The portion of the subject property currently associated with the addresses 1235, 1237, and 1239 West Sunset Boulevard was historically developed with a commercial/industrial building that was formerly occupied by several businesses, including a sign painting company from at least 1950 to 1970. AEI completed a Phase II at the property in 2013. A total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. sample locations are depicted on Figure 2c within the appendices of this report. The borings were advanced to depths of 4.5 to 20 feet bgs. Borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property. Within the area surveyed, the USTs were identified and mapped along the southwestern property addressed as 1185 West Sunset Boulevard. No other undocumented USTs, buried drums or any other anomalous buried objects were detected. VOCs and TPH were not detected in soil samples above the laboratory detection limits. VOCs and TPH were not detected in the groundwater sample above the laboratory detection limits. Since sampling occurred, the site has been cleared of all former buildings, with surface grading in some areas throughout the subject property. Due to the lack of a release detected, AEI did not recommend any further action for the subject property at the time. Based on the lack of release, the historical on-site industrial operations represent a HREC.

According to historical sources, and the regulatory database, the subject property was developed with a gasoline station at 1181-1187 West Sunset Boulevard. Sanborn maps depict a small gas station building at 1811 W. Sunset Avenue by 1950 to at least 1960. It appears that the former gas station building at 1811 was removed and demolished by 1964. The 1964 Sanborn map notes that a gas station is still on site, however, there are two buildings that were constructed to the north adjoining area at 1185-1187 West Boulevard. It was documented

as early as 1925 according to building records, that tanks were removed and replaced at 1181 W. Sunset Boulevard. It was noted in Fire department records, were removed and replaced at 1181, four tanks were installed at 1185 in September 8, 1960, and six tanks were removed from 1185 on November 22, 1960. According to city directories, the gas station at 1185, (Hernandez Fernando) was on site from 1969 to 1979. The gas station was converted into an auto repair shop by 1994. City directories note an auto repair shop noted at this address (Sempe Auto Repair, and Sempe Heriberto L Jr) from 1994 to at least 2014. Formerly, the two buildings at 1185 and 1187 were associated with a car wash and auto repair shop.

AEI completed a Phase II at the property in 2013, (discussed in Section 6.3), a total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. The borings were advanced to depths of 4.5 to 20 feet bgs. Borings included eight sample areas around the former southern gas station. Locations of the sampling locations is provided in the prior report and Figure 2c within the appendices of this report. A limited exterior ground penetrating radar survey was conducted and five USTs were identified and mapped along the southern portion of the subject property addressed as 1185 West Sunset Boulevard. No other undocumented USTs, buried drums or any other anomalous buried objects were detected. VOCs and TPH were not detected in soil samples above the laboratory detection limits. VOCs and TPH were not detected in the groundwater sample above the laboratory detection limits. No sampling information was provided post removal. The former auto repair was reported to have a clarifier. During the Phase II conducted in 2013, sample locations were noted around the former auto repair building with a groundwater sample taken south and down-gradient of the former auto repair shop and no contamination was report. Due to the lack of a release detected, AEI did not recommend any further action for the subject property at the time.

According to a provided prior Soil Report, discussed in Section 6.3, In 2022, five USTs were removed from the subject property at the former southern gas station area (1185 West Sunset Boulevard) including two 6,000-gallon tanks of gasoline, a 2,000-gallon tank of gasoline, a 2,000-gallon tank of unknown contents, and a 150-gallon waste oil tank. Sampling locations are depicted in Figure 2b included in the appendices of this report. It was noted that a site-specific health and safety plan (HASP) was prepared prior to on-site activities. A sump and one of the two clarifiers were also removed from the former car wash building. Initial samples were taken from the USTs, sump and clarifier in the former carwash building. other than UST #5 and the clarifier in the auto garage due to inaccessibility. Hydrocarbons, VOCs, and lead were detected in USTs #2, #3, and #4. TPHd and TPHo were detected in the clarifier and sump within the former carwash building. The sample from the sump had concentrations above construction worker exposure screening levels. Copper, lead, and chromium detected in samples were reported above Soluble Threshold Limit Concentration (STLC) thresholds but below STLC regulatory limits. These contaminants were not classified as hazardous waste. During tank removal, VOCs were detected in the soil up to 162 ppmv. Soil under UST #3 was stained and smelled of gasoline. VOCs exceeded the instrument limit of 10,000 ppmv. No holes were observed in the USTs following removal and the fluids were removed from the tanks. The top of each UST was located at approximately four feet bgs. A total of approximately 285 cubic yards (cy) of soil was removed and stockpiled adjacent to the USTs during tank removal. During excavation activities, VOCs were detected from some of the excavated spoils, at concentrations between 4 and 162 ppmv. Upon measuring VOCs of 50 ppmv or greater, the soil was segregated into a separate stockpile. Approximately 14 cubic yards of gasoline contaminated soil and 17 cubic yards of VOC contaminated soil was excavated under LAFD oversight. TPHg was detected in 0714-3-WEST at 740 mg/kg, which is above the LAFD minimum action level (MAL) of 100 mg/kg. The soil surrounding this sample was removed. No

TPHg was detected in a subsequent sample (UST-SOIL-081122) near the site of 0714-3-WEST. Arsenic was detected in all samples above the Residential Screening Levels (RSL) at 0.11 mg/kg. Soil samples were also taken from two stockpiles of soil, TPH, VOCs, and heavy metals were reported in soil at concentrations below exposure screening levels. However, the concentrations are below the DTSC background arsenic level of 12 mg/kg. On July 14, 2022, and at the direction of LAFD Inspector Belknap, end point soil samples were collected from approximately two feet beneath the east and west ends of each UST. On August 11, 2022, the clarifier located in the car wash area, and the sump were removed. The LAFD issued a No Further Action letter on November 29, 2022. No documentation of the removal of the clarifier in the auto repair shop was provided. However, since the tank removal occurred, all on site buildings appear to have been demolished and the surface soil appeared to have been graded in areas throughout the subject property. It is AEI's opinion that a Soil Management Plan (SMP) be implemented prior to and redevelopment of the subject property in order to address any unknown issues or unidentified subsurface features that may be discovered during future construction activities.

The site now consists of vacant land and a parking lot. Due to the size of the parcel, dense vegetation, and uneven ground, site observation was limited. Remaining concrete/asphalt features are visible, however no subsurface features were observed.

If available, copies of historical sources are provided in Appendix D.

3.1 Aerial Photographs

AEI reviewed aerial photographs of the subject property and surrounding area. A search was made of the EDR collection of aerial photographs. Aerial photographs were reviewed for the following years (1923 to 2020 (non-inclusive)):

Year(s)	Subject Property Description	Adjoining Site Descriptions
1923, 1928, 1938	What appear to be several commercial buildings and/or residential buildings, vacant land	NORTH: What appear to be residences EAST: What appear to be residences and a road followed by additional residences SOUTH: Road followed by what appears to be vacant land WEST: Road followed by what appear to be residential buildings and/or commercial buildings
1948	What appear to be additional commercial and/or residential buildings	NORTH: No significant changes EAST: No significant changes SOUTH: No significant changes WEST: No significant changes
1952	No significant changes	NORTH: No significant changes EAST: No significant changes SOUTH: What appears to be a gas station WEST: No significant changes
1964	No significant changes other than what appears to be a gas station	NORTH: No significant changes EAST: No significant changes SOUTH: No significant changes WEST: No significant changes
1977, 1979, 1981	What appear to be additional commercial buildings	NORTH: No significant changes EAST: No significant changes SOUTH: No significant changes WEST: No significant changes

Year(s)	Subject Property Description	Adjoining Site Descriptions
1989, 1994, 2002, 2005, 2009, 2012, 2020	No significant changes other than what appear to be additional commercial and/or residential buildings	NORTH: No significant changes EAST: No significant changes SOUTH: No significant changes WEST: No significant changes other than what appear to be additional commercial and/or residential buildings

Subject property:

- Historical gas station - Refer to Section 3.0, 4.1, 4.2, 4.3, 5.1, and/or 6.3

Adjoining Site(s):

- Historical gas station - Refer to Section 5.1

3.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of the EDR collection of Sanborn Fire Insurance maps.

The following maps were reviewed (1888 to 1970 (non-inclusive)):

Year(s)	Subject Property Description (Listed Address)	Adjoining Site Descriptions
1888, 1890, 1894	No coverage	No coverage
1906	The southern portion of the subject property is developed with three single-family residences with the addresses 1193, 1197, and 1201 Sunset Boulevard. The northwestern portion is developed with a single-family residence associated with the address 1243 Sunset Boulevard. The northeastern lot off of Everett Street is developed with a single-family residence associated with the address 963 Everett Street.	NORTH: The portion off of Sunset Boulevard consists of vacant lots. The portion off of Everett Street is developed with single-family residences, out houses, and a stable EAST: Single-family residences and vacant lots SOUTH: Single-family residences and vacant lots WEST: Single-family residences and vacant lots
1950	The southernmost lot is developed with a gas and oil station associated with the address 1181 Sunset Boulevard. According to building records, gas station structures were developed in 1925. The northernmost single-family residence is also associated with the address 1203 Sunset Boulevard. The lot to the north of that is developed with a store and “chem” manufacturing building on the western portion, associated with 1205 and 1207 Sunset Boulevard, respectively. Storage, garage, and duplex are present on the central and eastern portions. A printing	NORTH: The lot off of Sunset Boulevard is developed with ten single-family residences. The lots off of Everett Street are developed with several single- and multi-family residences. EAST: Several single- and multifamily residences. SOUTH: The northern lots are developed with single- and multi-family residences. The southern lot is developed with a gas and oil station (900 Everett Street) and building used for auto painting,

Year(s)	Subject Property Description (Listed Address)	Adjoining Site Descriptions
	facility, associated with the address 1211 Sunset Boulevard, is present further to the north. Vacant lots are present further to the north, followed by a furniture building, associated with 1229 Sunset Boulevard. Further north is a building used for wood working, a store, and sign painting, associated with 1235, 1237, and 1239, respectively. The single-family residence formerly on the northwestern portion has been replaced by Latter Rain Church, associated with 1243 Sunset Boulevard, on the western portion, and a single-family residence, associated with 1245 Sunset Boulevard, on the eastern portion. The northwestern-most lot is developed with a single-family residence associated with 1247 Sunset Boulevard.	a battery shop, stores, and auto repairing. WEST: Single- and multi-family residences, retail stores, and vacant lots
1953	The former store at 1205 Sunset Boulevard is now used for upholstery. The former furniture building at 1229 Sunset Boulevard has been extended and is now used for hood & pad manufacturing (1229) and sign manufacturing & painting (1231). The former wood working and store spaces, associated with 1235 and 1237 Sunset Boulevard, have been combined. Due to the poor quality of the Sanborn map, the use of this new space is not clear. The sign painting unit has been extended. The church is now occupied by a Jewish temple.	No significant changes
1954	The building at 1229 and 1231 is now used for neon sign manufacturing and sign manufacturing and painting. It appears to be associated with the adjacent building to the north, which is also used for sign manufacturing and painting.	NORTH: No significant changes EAST: No significant changes SOUTH: The former auto painting space is now used as storage WEST: An additional building with two stores has been added
1957	The building associated with 1205 and 1207 Sunset Boulevard is now used for plastic key tag manufacturing and valve manufacturing, respectively. The building associated with 1235 and 1237 Sunset Boulevard is now used as a sash and door warehouse.	No significant changes
1960	The building associated with 1205 Sunset Boulevard is no longer used for plastic key tag manufacturing.	No significant changes with the exception that an office building has been constructed to the northwest
1964	The gas and oil station on the southern portion of the property has been developed with a building and structure and is associated with 1185 Sunset Boulevard. The single-family residences on the southwestern portion are no longer present. 1205 Sunset Boulevard is now used for time controls manufacturing. The adjacent storage and	No significant changes

Year(s)	Subject Property Description (Listed Address)	Adjoining Site Descriptions
	auto garage building is no longer present. The building at 1227 and 1231 Sunset Boulevard is now used for sash and door warehouse purposes. The building previously associated with 1235 and 1237 Sunset Boulevard is now associated with 1239 Sunset Boulevard and is used for sign printing.	
1965	No significant changes	No significant changes with the exception that a single- and multi-family residence to the east has been replaced with a larger multi-family residence
1968	No significant changes	No significant changes with the exception that two of the multi-family residences to the west are no longer present
1970	The eastern portion of the building associated with 1227 and 1231 Sunset Boulevard has been removed.	No significant changes

Subject property:

- Historical gas station, printing, manufacturing - Refer to Section 3.0, 4.1, 4.2, 4.3, 5.1, and/or 6.3

Adjoining Site(s):

- Historical gas station, auto repair - Refer to Section 5.1

3.3 City Directories

A search of historical city directories was conducted for the subject property utilizing EDR. Refer to the appendices for a complete list of historical subject property tenants identified by EDR. Directories were reviewed in approximate five-year increments from 1920 to 2020 (non-inclusive). The first listing for the subject property appeared in 1939. The following table summarizes the potential tenants of concern at the subject property based on AEI's review of the historical city directories.

Subject Property

Year(s)	Address - Occupant Listed
1951	1207 Sunset Boulevard - Chemical/disinfectant manufacturing
1962, 1967, 1971	1211 Sunset Boulevard - Printing
1962, 1967, 1971, 1976	1185 Sunset Boulevard - Gas station
2000, 2006, 2010	1185 Sunset Boulevard - Auto repair

If listed above, XXXX indicates that the address is valid but there is no occupancy information available.

The table below summarizes the search of historical city directories conducted for the adjoining sites. Refer to the appendices for a complete list of historical adjoining occupants identified during the review of city directories obtained from EDR.

Adjoining Sites

Direction	Address(es)	Potential Listings of Concern
North	1251 West Sunset Boulevard 1063 West Mayflower Court	None identified
East	921, 927, 931, 937, 939, 943, 949, 955, 965, 971, 977, 981 Everett Street 908, 920, 924, 930, 960, 966, 970 Everett Street	None identified
South	817 White Knoll Drive 1161 West Sunset Boulevard/900 Everett Street	900 Everett Street - Auto shop (1942-1990)
West	1250 West Sunset Boulevard 1246 West Sunset Boulevard 1190, 1202, 1206, 1210, 1236 West Sunset Boulevard 1218, 1226, 1230, 1234 West Sunset Boulevard 1110 Marion Avenue 1186 West Sunset Boulevard 1176 West Sunset Boulevard	None identified

Subject property:

- Historical gas station, printing, auto repair, chemical manufacturing - Refer to Section 3.0, 4.1, 4.2, 4.3, 5.1, and/or 6.3

Adjoining Site(s):

- Historical auto shop - Refer to Section 5.1

3.4 Historical Topographic Maps

In an attempt to close any data failure, AEI reviewed historical topographic maps utilizing EDR. Historical topographic maps were reviewed for the years 1894 to 2018 (non-inclusive). No additional historical information was obtained from available topographic maps.

3.5 Chain of Title

Based on the quality of information obtained from other sources, a chain of title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous substance use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to AULs, defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1 Local Environmental Health Department and/or State Environmental Agency

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Los Angeles County Fire Department (LACFD)	May 23, 2023	Online	N/A	Records discussed below

Records Summary

Date	Occupant	Document Type	Document Notes/Violations
2002	O&J Auto Repair and Sales (1185)	Facility Information Report	Site generates 100 gallons of oil, 150 pounds of filters, and 100 pounds of rags
2012	O&J Auto Repair and Sales (1185)	Fire Inspection Report	Provide hazardous waste label, provide receipt of oil filter pickup, maintain shop towels in a closed container, clean and maintain soil absorbent on floor, maintain current CUPA permit on-site
2014	B&F Mechanical General (1185)	Fire Inspection Report	No violations
2014	B&F Mechanical General (1185)	Fire Inspection Report	Waste oil and used filter containers are to be closed when not in use

The subject property was formerly occupied by an auto repair shop at 1185 West Sunset Boulevard. Due to the nature of operations, auto shops use and/or store hazardous substances. Refer to Section 3.0, 4.2, 4.3, 5.1, and/or 6.3 for additional information.

*Based on the volume of documents provided, this table only represents a sample of records made available to AEI. Refer to the Appendix for additional information.

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
California Regional Water Quality Control Board (CRWQCB)	May 23, 2023	Email	N/A	No records on file

4.2 Fire Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Los Angeles Fire Department (LAFD)	May 23, 2023	Online	N/A	Records discussed below

Records Summary

Date	Occupant	Document Type	Document Notes/Violations
May 21, 1925	1181 West Sunset Boulevard	Not titled	Four tanks removed and replaced (1181 West Sunset Boulevard)
September 8, 1960	Richfield Oil Co	Permit	Install four atmospheric tanks (1185 West Sunset Boulevard)
November 22, 1960	JW Marshall & Sons	Letter to LAFD	Six tanks have been removed from the site (1185 West Sunset Boulevard)
June 24, 1970	Atlantic Richfield	Permit	Alter piping (1185 West Sunset Boulevard)
October 18, 2011	Reliable Sash & Door	Hazardous Material Inventory	100 gallons of Henry Roof Coating, 10 gallons of paint, 10 gallons of poisons and pesticides, 100 gallons of wallboard joint compound (1229 West Sunset Boulevard)
May 27, 2022	Aragon Properties	UST Removal Permit	Removal of five USTs and associated piping (1185 West Sunset Boulevard)
November 29, 2022	Aragon (Sunset/Everett) Properties Corporation	Closure Letter	No further action is required and the case has been closed (1185 West Sunset Boulevard)

The subject property was formerly occupied by an auto repair shop and gas station at 1181 and 1185 West Sunset Boulevard. Due to the nature of operations, hazardous substances were stored/used on-site. USTs, a clarifier, and a sump was removed from 1185 West Sunset Boulevard. Refer to Section 3.0, 4.1, 4.3, 5.1, and/or 6.3 for additional information.

4.3 Building Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Los Angeles Department of Building & Safety (LADBS)	May 26, 2023	Online	N/A	Records discussed below

Records Summary

Year(s)	Owner/Applicant	Description of Permit and Building Use
1181-1187 West Sunset Boulevard		
1914	Schermerhorse	Tenement house (1181)
1925	Shell	Service station (1181)
1938	Moroney	Service station office and restrooms (1181)
1960	Richfield Oil Co	Service station, new building (1185)
1960	Richfield Oil Co	New pump island and roof sign (1185)
2002	Steve Wintner	New detached patio accessory use to car wash (1185)

Year(s)	Owner/Applicant	Description of Permit and Building Use
2004	Steve Wintner	Use of land for used auto sales (1185)
1189-1195 West Sunset Boulevard		
1924	Grover	Dwelling (1193)
1975	Steve Wintner	Certificate of Occupancy for single-story warehouse (1195)
1197-1203 West Sunset Boulevard		
1905	Stebbin	Alteration (1201)
1908	Richert	Barn (1201)
1915	Stuart	Dwelling (1201)
1917	Grinn	Residence (1197)
1922	Heath	Store (1201)
1923	Heath	Dwelling, garage, and farm (1203)
1931	Chas Z	Alteration to store, family dwelling also on lot (1201 1/2)
1933	Heath	Oil depot, retail refractory oil (1201 1/2)
1963	Heath	Demolish family dwelling (1201-1201 1/2)
1205-1207 West Sunset Boulevard		
1922	Stires	Stores (1205, 1207)
1922	Barnett	Dwellings (1205 1/2, 1207 1/2)
1964	Day	Certificate of Occupancy for single-story stores and two-story duplexes (1205
1209-1231 West Sunset Boulevard		
1926	Barnett	Public garage (1211)
1945	Cox	Dwelling (1215)
1946	Irving Koller	Alter gas station building into a store (1229)
1955	Koller	Sign shop (1227-1231)
1961	Illegible	Vacant lot (1219)
1965	Bodoni Limited	Parking lot, print shop (1211-1215)
1990	Wintner	Warehouse (1211-1219)
1233-1239 West Sunset Boulevard		
1922	Kane	Stores (1233-1237)
1933	Pipolo	Alter store to restaurant (1239)
1241-1247 West Sunset Boulevard		
1947	Illegible	Certificate of Occupancy for commercial building (1247)
1948	Koller	Certificate of Occupancy for offices (1243)
917 Everett Street		
1909	1193 Sunset Boulevard	Residence (917)

The subject property was formerly occupied by a service station, printing shop, and oil depot. These tenants indicate the prior use or storage of hazardous substances. Refer to Section 3.0, 4.1, 4.2, 5.1, and/or 6.3 for additional information.

Based on building permits, there was a former gas station building converted into a commercial store building in 1946. According to historical sources, AEI was not able to track the history of the portion of the subject property located at 1229 West Sunset Boulevard between the years 1906 to 1946 and this is considered a data gap. In a Sanborn map from 1906, this parcel appears to be vacant land. In a Sanborn map from 1950, this parcel appears to be occupied by a furniture store and/or manufacturer. By 1953, the building appears to have an extension added to the east side, and new addresses were assigned for this building in 1964 including 1227 and 1231 W. Sunset Boulevard. City directories for this address were not

provided. According to a building permit from 1946, this parcel was converted from a gas station to a store. It is possible that there was a gas station at this address sometime between 1906 to 1946. No other significant information was obtained by AEI. AEI completed a Phase II at the property in 2013. A total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. Sample locations are depicted in Figure 2c within the appendices of this report. The borings were advanced to depths of 4.5 to 20 feet bgs. Borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property including one sample in the historical building noted as a gas station at 1229, and an additional sample in the eastern extension of the former building. A limited exterior GPR survey was conducted on the subject property. USTs were identified at the southern former gas station at 1185 W. Sunset Boulevard, and the exact area that the GPR survey area was conducted was not noted. However, the presence of tanks was not noted at the former central gas station. Additionally, no records of tanks were found from requested Fire Department records. It should be noted that a GPR survey was not available for the interior of the former subject building at 1185. However, based on recent construction activity, all former buildings have been demolished and cleared from the subject property with light surface soil grading noted. Based on the lack of contamination or tanks found during sampling, this is not considered a significant environmental concern. However, due to sampling limitations, it is AEI's opinion that a Soil Management Plan (SMP) be implemented prior to and redevelopment of the subject property in order to address any unknown issues or unidentified subsurface features that may be discovered during future construction activities.

*Based on the volume of documents provided, this table only represents a sample of records made available to AEI. Refer to the Appendix for additional information.

4.4 Planning Department

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Zone Information and Map Access System (ZIMAS)	May 25, 2023	Online	N/A	Records discussed below

According to ZIMAS, the subject property is located near significant oil production areas known as “Methane Zones”. Methane Zone sites include properties immediately surrounding gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Due to the potential environmental risk associated with construction in Methane Zones, the property owner is required to conduct a methane assessment prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

4.5 Assessor's Office

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
Los Angeles County Assessor's Office	May 23, 2023	Online	N/A	Information obtained is discussed below

Records Summary

APN	5406-016-003, 6, 7, 10, 11, 13, 16, 19, 21, 23, 28
Acreage	Not provided
Construction Date	N/A

Building Square Footage	N/A
Current Owner	Not provided
Additional Information	N/A

4.6 Other Agencies Searched

Agency	Date Contacted	Method of Contact	Name & Title of Contact	Agency Response
CA State Water Resources Control Board (SWRCB) GeoTracker	May 25, 2023	Online	N/A	No records on file
SWRCB GeoTracker Historical Hazardous Substance Storage Information	May 25, 2023	Online	N/A	No records on file
CA Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS)	May 25, 2023	Online	N/A	No records on file
CA DTSC EnviroStor	May 25, 2023	Online	N/A	No records on file
CalEPA Regulated Site Portal	May 25, 2023	Online	N/A	Refer to Section 5.1
South Coast Air Quality Management District (SCAQMD)	May 25, 2023	Online	N/A	No records on file

4.7 Oil and Gas Wells

Agency	Date Referenced	Resource	Oil or gas wells located within 500 feet of the subject property
California Geologic Energy Management Division (CalGEM)	May 25, 2023	CalGEM Map	Information obtained is discussed below

Based on a review of historical sources and California Geologic Energy Management Division (CalGEM) maps, the subject property is situated within the Los Angeles Oil Field. No evidence of current or historical oil wells was found to be on the subject property. Refer to Section 4.4 for additional information.

4.8 Oil and Gas Pipelines

Agency	Date Referenced	Resource	Pipelines located within 500 feet of the subject property
National Pipeline Mapping System (NPMS)	May 25, 2023	NPMS Public Map Viewer	No

4.9 State Environmental Superliens

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state environmental superliens.

4.10 State Property Transfer Laws

In accordance with our approved scope of services, AEI did not assess whether the subject property is subject to any state property transfer laws.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted EDR to conduct a search of publicly available information from federal, state, tribal, and local databases containing known and suspected sites of environmental contamination and sites of potential environmental significance. Data gathered during the current regulatory database search is compiled by EDR into one regulatory database report. Location information for listed sites is designated using geocoded information provided by federal, state, or local agencies and commonly used mapping databases with the exception of "Orphan" sites. Due to poor or inadequate address information, Orphan sites are identified but not geocoded/mapped by EDR, rather, information is provided based upon vicinity zip codes, city name, and state. The minimum search distance from the federal and state environmental records database listings specified in the current ASTM Standard E1527 is included in Section 5.1. A copy of the regulatory database report, which includes detailed descriptions of the databases noted below as well as the total number of sites identified, is included in Appendix C of this report.

In determining if a listed site is a potential environmental concern to the subject property, AEI generally applies the following criteria to classify the site as lower potential environmental concern: 1) the site only holds an operating permit (which does not imply a release), 2) the site's distance from, and/or topographic position relative to, the subject property, and/or 3) the site has recently been granted "No Further Action" by the appropriate regulatory agency.

Regulatory database listings associated with the subject property, adjoining site(s) and/or nearby sites of concern that were determined to warrant additional discussion, if any, are identified and further discussed in Section 5.1.

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
Federal NPL (Superfund) sites	1.0			
Federal Delisted NPL sites	0.5			
Federal CERCLA removals/orders sites	0.5			
Federal CERCLA sites with NFRAP	0.5			
Federal RCRA facilities undergoing Corrective Action	1.0			
Federal RCRA TSD facilities	0.5			
Federal RCRA generators (LQG, SQG, VSQG)	SP/ADJ			
Federal RCRA NonGen/NLR sites	SP/ADJ	✔	✔	
Federal IC/EC sites	SP			
Federal ERNS sites	SP			
State/tribal "Superfund" equivalent sites	1.0			
State/tribal hazardous waste facilities	0.5			
State/tribal landfill and solid waste disposal facilities	0.5			
State/tribal leaking storage tanks	0.5		✔	
State/tribal registered storage tanks	SP/ADJ			
State/tribal voluntary cleanup sites	0.5			

Database	Search Distance (Miles)	Subject Property	Adjoining Site(s)	Other Nearby Sites of Concern
State/tribal IC/EC registries	SP			
State/tribal brownfield sites	0.5			
Orphans	N/A			
Additional Environmental Record lists	SP/ADJ	✔	✔	

Facility Name	B&F Auto Repair, Hernandez Fernando, Aragon Properties Corp, O&J Auto Repair and Sales,
Address	1185, 1187 West Sunset Boulevard
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	RCRA NONGEN/NLR (2), HAZMAT, FINDS (3), ECHO (2), EDR HIST AUTO, HWTS (3), HAZNET, CERS HAZ WASTE
Comments	Aragon Properties Corp is listed on the RCRA NONGEN/NLR database as no longer generating hazardous waste as of May 3, 2022. The NAICS description was listed as "other building equipment contractors." There were no violations and the types of hazardous wastes generated were not reported. The HAZMAT listing was marked as inactive in 2022. According to EDR HIST AUTO, this site was occupied by a gas station from 1969 to 1979 and an auto shop from 1994 to 2014. A HWTS listing for O&J Auto was created in 2006 and marked as inactive in 2011. A HWTS listing for O&J Auto was created and marked as inactive in 2002. The NAICS description was listed as general automotive repair. One violation was listed on CalEPA, however the nature of the violation was not described. The HWTS listing for B&F Auto Repair was created in 2013 and marked as inactive in 2015. Refer to Sections 3.0 and 6.3 for additional information about the prior auto repair shops.

Facility Name	Reliable Sash & Door
Address	1229 West Sunset Boulevard
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	FINDS, HAZMAT
Comments	The last "run date" was listed as November 1, 2022 and the facility status was listed as "inactive." The SIC code was listed as "lumber and other building materials dealers." No other significant information was provided. Based on the nature of occupation and lack of a documented release, this site is not expected to represent a significant environmental concern.

Facility Name	Devin J H
Address	1211 West Sunset Boulevard
Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	EDR HIST AUTO
Comments	According to EDR HIST AUTO, this site was occupied by an auto shop and gas station in 1929. No other significant information was provided. Refer to Section 3.0 for additional information.

Facility Name	Combs Jas
Address	1181 West Sunset Boulevard

Distance & Direction	Subject Property
Hydrologic Position	N/A
Databases Listed	EDR HIST AUTO
Comments	According to EDR HIST AUTO, this site was occupied by a gas station in 1942. No other significant information was provided. Refer to Section 3.0 for additional information.

Facility Name	Judy Chiu
Address	817 White Knoll Drive
Distance & Direction	Adjoining to the south (approximately 70 feet)
Hydrologic Position	Down-gradient
Databases Listed	RCRA NONGEN/NLR
Comments	The facility is listed on the RCRA NONGEN/NLR database as no longer generating hazardous waste as of October 9, 2018. The NAICS description was listed as "all other waste management services." There were no violations and the types of hazardous wastes generated were not reported. Based on the lack of a documented release, the review of regulatory agency files for this site was not deemed necessary, and the site is not expected to represent a significant environmental concern.

Facility Name	Seng Auto, Sackman G D, Kathleen Ross Property
Address	1165, 1167 West Sunset Boulevard
Distance & Direction	Adjoining to the south (approximately 70 feet)
Hydrologic Position	Down-gradient
Databases Listed	EDR HIST AUTO (2), LUST, SWEEPS UST, CA FID UST, HAZMAT, CERS (2), CORTESE, HIST CORTESE
Comments	This site has been occupied by a gas station from at least 1933 to 1974 and an auto repair shop from 1975 to 2014. Numerous violations regarding hazardous substance protocol were listed with some as recent as 2022. It appears that there is at least one outstanding violation from April 28, 2022. This site was also identified as a LUST site. The soil at this site was reportedly impacted by other solvent or non-petroleum hydrocarbons. This case was opened in 1990 and received closure in 1998. Soil was listed as the only media impacted and no groundwater impacts were listed. Based on the current regulatory status, media impacted, and inferred direction of groundwater flow, this adjacent site is not expected to represent a significant environmental concern to the subject property at this time.

Facility Name	Russell Beilfuss
Address	1185-1427 1/2 West Sunset Boulevard
Distance & Direction	Subject Property and nearby properties
Hydrologic Position	Up-gradient for nearby properties
Databases Listed	FINDS, ECHO, RCRA NONGEN/NLR, HWTS, HAZNET
Comments	The facility is listed on the RCRA NONGEN/NLR database as no longer generating hazardous waste as of August 1, 2018. The NAICS description was listed as "all other waste management services." There were no violations and the types of hazardous wastes generated were not reported. In 2018, 0.23 tons of asbestos-containing waste. The HWTS listing was created and marked as inactive in 2018. Based on the lack of a documented release, this site is not expected to represent a significant environmental concern.

[redacted]	Additional listings: This facility was also listed on other database(s) as noted above; however, as these listings are not associated with a release, the radii prescribed by the current ASTM Standard E1527 standard does not require that these listings be specifically discussed. Notwithstanding, based on our review of available information, none of these listings appears to pose a significant environmental concern in connection with the subject property at this time.

5.2 Vapor Migration

AEI reviewed reasonably ascertainable information for the subject and nearby properties, including a regulatory database, files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns may be present which could impact the subject property.

AEI did not identify significant on-site concerns and/or regulated listings from nearby sites which suggest that a vapor-phase migration concern currently exists at the subject property.

5.3 PFAS-Related Regulatory Database Listings (Emerging Contaminants)

As defined in Section 3.2.36 of the current ASTM Standard E1527, hazardous substance means "those substances defined as a hazardous substance pursuant to CERCLA 42 USC § 9601(14), as interpreted by EPA regulations and the courts." There are some substances that non-environmental professionals and others may assume to be hazardous substances that are not defined (or not yet defined) as hazardous substances under CERCLA, through interpretation by EPA regulations and the courts. These substances may include: (i) some substances that occur naturally or through biological digestion (for example, methane), and (ii) substances about which human understanding is evolving (for example, per- and polyfluoroalkyl substances, also known as "PFAS"). These and any other "emerging contaminants," where they are not identified as a hazardous substance by CERCLA, as interpreted by EPA regulations and the courts, are not included in the scope of this standard. Some of these substances may be considered a "hazardous substance" (or equivalent) under applicable state laws. In those instances, where a Phase I ESA is performed to satisfy both federal and state requirements, or as directed by the user of the report, it is permissible to include analysis and/or discussion of these substances, in the same manner as any other Non-Scope Consideration. If and when such emerging contaminants are defined to be a hazardous substance under CERCLA, as interpreted by EPA regulations and the courts, such substances shall be evaluated within the scope of this standard.

As an initial screening tool for potential PFAS contamination, AEI reviewed PFAS-related database listings from EDR.

It should be noted that AEI's limited PFAS screening is based solely on review of the resources cited. Identification, or lack thereof, is not a warranty that PFAS contamination is present or absent at a site. Additionally, it should be noted that given the evolving nature of science and regulatory oversight of PFAS, additional sources of PFAS contamination may exist at the subject property, adjoining sites and/or other other nearby sites not identified by the limited screening tools reviewed.

Source	Subject Property Identified	Adjoining Site(s) Identified	Other Nearby Site(s) of Concern Identified	Comments
EDR PFAS Regulatory Database Listing(s)				No listings warranting discussion were identified

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to the current ASTM Standard E1527, the following interviews were performed during this assessment in order to obtain information indicating RECs in connection with the subject property.

6.1.1 OWNER AND KEY SITE MANAGER

Relation to Property	Name	Date Interviewed	Method of Contact	Year First Associated w/ Property	Notes
Owner/Owner Representative	Aragon Properties Corp.	N/A	N/A	2013	Not interviewed; refer to Section 1.5
Key Site Manager	Mr. Jeff Farrington, Manager	May 24, 2023	Email	2022	Interviewed; see Interview Summary table below

INTERVIEW SUMMARY

Question	Owner (Representative) Response/ Comment	Key Site Manager Response/ Comment
Do you have any knowledge of USTs, clarifiers or oil/water separators, sumps, or other subsurface features?	N/A	Yes; prior USTs
Do you have any knowledge of previous environmental investigations conducted on site?	N/A	Yes; refer to Section 6.3
Do you have any knowledge of current or past industrial operations and/or other operations which would involve the use of hazardous substances and/or petroleum products?	N/A	Unknown
Are you aware of any known plans for site redevelopment or change in site use?	N/A	Yes; apartment building
Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, at, or from the subject property?	N/A	No
Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, at, or from the subject property?	N/A	No
Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	N/A	No
Are you aware of any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality?	N/A	No

6.1.2 PAST OWNERS, OPERATORS, AND OCCUPANTS

AEI did not attempt to interview past owners, operators, and occupants of the subject property because information from these sources would likely be duplicative of information already obtained from other sources.

6.1.3 Interview with Others

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this report.

6.2 User Provided Information

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to the current ASTM Standard E1527 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the Environmental Professional. The responsibility for qualifying for LLPs by conducting the inquiries ultimately rests with the User, and providing the information to the Environmental Professional would be prudent if such information is available.

The User did not complete the ASTM User Questionnaire or provide the User information to AEI. AEI assumes that qualification for the LLPs is being established by the User in documentation outside of this assessment.

Question	Response/ Comment
1. Environmental liens that are filed or recorded against the property (40 CFR 312.25) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?	Information not provided
2. Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26(a)(1)(v) and vi)). Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?	Information not provided
3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?	Information not provided
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29). Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	Information not provided
5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example: (a) Do you know the past uses of the property? (b) Do you know of specific chemicals that are present or once were present at the	Information not provided

Question	Response/ Comment
property? (c) Do you know of spills or other chemical releases that have taken place at the property? (d) Do you know of any environmental cleanups that have taken place at the property?	
6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?	Information not provided

6.3 Previous Reports and Other Provided Documentation

Documentation was provided to AEI by the client during this assessment. A summary of this information follows:

Phase I Environmental Site Assessment (1185-1245 West Sunset Boulevard), prepared by AEI Consultants (February 26, 2013):

This report describes the subject property generally consistent with current conditions with the following exceptions:

At the time of investigation the subject property was developed with commercial buildings and the subject property is now vacant land. The prior report noted RECs for the following features: prior gas station/presence of USTs located at 1185 West Sunset Boulevard, a clarifier in the auto garage located at 1185 West Sunset Boulevard, prior industrial uses throughout the subject property, and a potential gas station located at 1229 West Sunset Boulevard.

The prior report also noted other environmental concerns including a clarifier for a car wash, former hydraulic lift (appeared to be removed) within the former auto repair shop building, asbestos-containing materials, and lead-based paint. According to the prior report, AEI observed an area within the former auto garage that is indicative of a former underground hydraulic lift. It is unknown when the lifts were installed but it appeared that the underground lift was removed from the site. There was also an above-ground lift noted on site.

This site has operated as a gas station from at least 1927 and as an automotive repair from at least the mid 1960's. Therefore, it is possible that the former underground lift was installed as early as the 1960's. Polychlorinated biphenyls (PCBs) were used in the past in dielectric fluids and oils in a variety of equipment, including hydraulic lift equipment. Soil testing was reportedly conducted by Petra in 2007 and no significant impacts were reported.

The report noted three RECs for the southern gas station, various historical industrial uses within several buildings on the subject property, and a historical gas station in the central part of the subject property located at 1229 West Sunset Boulevard.

A hazardous waste storage area was noted on the exterior of the auto repair shop located at 1185 West Sunset Boulevard, and this was noted as a De Minimis Condition with minor staining around drums.

Business Environmental Risks included Methane zone, two clarifiers, underground lift, asbestos and lead based paint management.

AEI recommended conducting a Phase II Subsurface Investigation due to the RECs observed.

The prior report included an analysis of a Phase I ESA from 2005:

Draft Phase I Environmental Site Assessment and Limited Subsurface Investigation for the Property Located at Sunset Boulevard and Everett Street, prepared by Petra Geotechnical, Inc. (April 14, 2005):

According to the executive summary (entirety of report not provided, and noted as draft copy) of the previous report conducted by Petra Geotechnical, Inc. (Petra), the subject property consisted of a hardware store with associated storage buildings, a residence, a car wash, multiple bungalows, a vacant lot and a restaurant. Petra identified historical land use to consist of multiple residences, a janitorial supply/disinfectant manufacturer, a sprinkler/ valve manufacturer, a gas station, a temple, a car wash, and a restaurant. Based on the date of construction of the current buildings at the subject property, Petra determined that asbestos-containing materials (ACM) and lead-based paints (LBP) may be present. According to the owner of the property, four gasoline underground storage tanks (USTs) are currently present beneath the car wash on the southern portion of the property. Petra identified a REC for the former gas station, which was present from the 1960's to the mid-1970's. Petra recommending a Limited Phase II Subsurface Investigation to determine if a significant release occurred in the past. The Limited Phase II Subsurface Investigation was conducted on March 31, 2005. A subsurface geophysical survey was conducted on site to delineate the location of the four USTs and fuel distribution lines heading to a fuel island. A waste oil UST in the rear of the car wash was delineated, as well as an area within an auto shop site which appeared to have formerly had a hydraulic hoist present. Petra advanced 15 borings in the vicinity of the delineated areas based on proximity to the areas of concern. The borings were drilled to a total depth of approximately 25 feet below ground surface (bgs). The samples were analyzed for volatile organic compounds (VOC) and total petroleum hydrocarbons (TPH). The results of the soil sample analysis were that trace amounts of TPH were encountered in one sample collected at 22 feet bgs from the vicinity of the waste oil UST. No detectable concentrations were found in a five feet bgs sample taken from the same boring. Petra concluded that these levels did not indicate a significant release from the waste oil tank. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or VOCs related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them. Therefore, Petra stated that there is a potential that impact to site soils is present directly below the USTs. Petra stated that the fact that no lateral contamination was detected in samples deeper than the bottom of the UST appears to indicate that a large scale release has not occurred. Petra recommended removing and disposing of all USTs on site in accordance with current regulation, prior to site development. Petra also recommended that if the current buildings were to be demolished or upgraded, a survey for asbestos and lead-based paint be conducted and any identified materials be abated.

A copy of the report is included in the appendices.

Phase II Subsurface Investigation (1185 – 1245 West Sunset Boulevard, Los Angeles, California 90026), prepared by AEI Consultants (March 22, 2013)

AEI had completed a Phase II at the property to evaluate if the current and historic on-site operations had adversely impacted the subject property. A total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. Groundwater encountered at approximately 16 feet bgs. The borings were advanced to depths of 4.5 to 20 feet bgs. Borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property. The results of this investigation were compared to USEPA RSLs and California RWQCB ESLs. The equipment used in this investigation consisted of a Geonics electromagnetic (EM)-61 high sensitivity metal detector, a Fischer M-Scope, and ground penetrating radar (GPR). Within the area surveyed, the USTs were identified and mapped along the southwestern property addressed as 1185 West Sunset Boulevard. No other undocumented USTs, buried drums or any other anomalous buried objects were detected. Following sampling, each boring was backfilled with hydrated granular bentonite and capped with concrete at ground surface. VOCs and TPH were not detected in soil samples above the laboratory detection limits. VOCs and TPH were not detected in the groundwater sample above the laboratory detection limits. Due to the lack of a release detected, AEI does not recommend any further action for the subject property at this time.

A copy of the report is included in the appendices.

Soils Report (1185 Sunset Boulevard, Los Angeles, CA), prepared by Citadel EHS (September 28, 2022):

The buildings that were formerly located on the subject property were demolished in June 2022. On July 14, 2022, five USTs (#2-#6) were removed from the site including two 6,000-gallon tanks of gasoline, a 2,000-gallon tank of gasoline, a 2,000-gallon tank of unknown contents, and a 150-gallon waste oil tank. The tanks were made of single-walled steel. A sump and one of the two clarifiers were also removed from the site on August 11, 2022. Samples were taken from the USTs and clarifiers, other than UST #5 and the clarifier in the auto garage due to inaccessibility. A sample was also taken from the sump. Hydrocarbons, VOCs, and lead were detected in USTs #2, #3, and #4. TPHd and TPHo were detected in the clarifier and sump. The sample from the sump had concentrations above construction worker exposure screening levels. Copper, lead, and chromium detected in samples were reported above Soluble Threshold Limit Concentration (STLC) thresholds but below STLC regulatory limits. These contaminants were not classified as hazardous waste. During tank removal, VOCs were detected in the soil up to 162 ppmv. Soil under UST #3 was stained and smelled of gasoline. VOCs exceeded the instrument limit of 10,000 ppmv. No holes were observed in the USTs following removal. Approximately 14 cubic yards of gasoline contaminated soil and 17 cubic yards of VOC contaminated soil was excavated. TPHg was detected in 0714-3-WEST at 740 mg/kg, which is above the LAFD minimum action level (MAL) of 100 mg/kg. The soil surrounding this sample was removed. No TPHg was detected in a subsequent sample (UST-SOIL-081122) near the site of 0714-3-WEST. Arsenic was detected in all samples above the Residential Screening Levels (RSL) at 0.11 mg/kg. However, the concentrations are below the DTSC background arsenic level of 12 mg/kg. Citadel EHS recommended no further action in regards to the USTs. The LAFD issued a No Further Action letter on November 29, 2022.

A copy of the report is included in the appendices.

Note: As the above documentation was not prepared by AEI, the information obtained was not verified for accuracy and a critique of the information contained therein is beyond the scope of this assessment.

6.4 Environmental Lien and AUL Search

In accordance with our approved scope of services, an environmental lien search was not performed as part of this assessment.

7.0 SITE RECONNAISSANCE

Site Reconnaissance Date	May 31, 2023
AEI Site Assessor(s)	Caroline Hanna
Property Escort(s)/ Relationship(s) to Property	N/A
Units/Areas Observed	Entire parcel
Area(s) not accessed and reason(s)	N/A
Other Physical Constraints	Large parcel Refer to Section 1.5 for discussion of limiting condition(s)
General Observations	The subject property is comprised of vacant land with some minor debris, remaining asphalt/concrete features, a parking lot, and billboards.

Reconnaissance Findings Summary

Feature	Observed on Subject Property (see Section 7.1)	Observed on Adjoining Property (see Section 7.2)
Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use (including drums, totes, and intermediate bulk containers)		✔
Aboveground/Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)		
Hazardous Substance and Petroleum Product Containers Not in Connection with Property Use		
Unidentified Substance Containers		
Electrical or Mechanical Equipment Likely to Contain Fluids		✔
Interior Stains or Corrosion		
Strong, Pungent, or Noxious Odors		
Pools of Liquid		
Drains, Sumps, and Clarifiers		
Pits, Ponds, and Lagoons		
Stained Soil or Pavement		
Stressed Vegetation		
Solid Waste Disposal or Evidence of Fill Materials		
Waste Water Discharges		
Wells		
Septic Systems or Cesspools		
Biomedical Wastes		
Other	✔	

7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

During the site reconnaissance, AEI observed the item listed in the above Reconnaissance Findings Summary table, which is further discussed below.

7.1.1 OTHER

Minor amounts of debris was observed on-site. Based on the small quantity and type of debris, this is not expected to represent a significant environmental concern.

7.2 Adjoining Property Reconnaissance Findings

During the site reconnaissance, AEI observed the items listed in the above Reconnaissance Findings Summary table, which are further discussed below.

7.2.1 Regulated Hazardous Substances/Wastes and/or Petroleum Products in Connection with Property Use (including drums, totes, and intermediate bulk containers)

The adjoining site to the south was observed to be occupied by an auto repair facility. Based on the nature of use, hazardous substances and/or petroleum products are likely utilized/ stored on the site. This site was identified in the regulatory database and is further discussed in Section 5.1.

7.2.2 Electrical or Mechanical Equipment Likely to Contain Fluids

Toxic PCBs were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR, Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing." Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Transformer(s)

The management of potential PCB-containing transformers is the responsibility of the local utility or the transformer owner. Actual material samples need to be collected to determine if transformers are PCB-containing.

Eleven pole-mounted transformers were observed on the adjoining sites during the site reconnaissance. No spills, staining, or leaks were observed on or around the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

8.0 NON-ASTM SERVICES

8.1 Asbestos-Containing Building Materials

The subject property is currently vacant land and lacks structures. Consequently, no building components containing suspect asbestos containing materials were identified during the site inspection.

8.2 Lead-Based Paint

The subject property is currently vacant land and lacks structures. Consequently, AEI did not observe building components likely to contain suspect LBP during the site reconnaissance.

8.3 Naturally-Occurring Radon

Radon is a naturally-occurring, odorless, and invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

Radon sampling was not requested as part of this assessment. According to the California Department of Health Services Radon Database, 56 tests were conducted for radon levels in the subject property zip code (90026) in 2016. Six of the tests exceeded the action level of 4.0 pCi/L set forth by the US EPA. While a relatively small percentage of the test results exceeded the EPA threshold, the majority of the locations sampled were below 4.0 pCi/L. Consequently, radon does not appear to be a widespread concern; however, radon sampling would be required to determine site-specific radon levels.

8.4 Suspect Mold or Microbial Growth Conditions

The subject property is currently vacant land and lacks structures. Consequently, mold was not addressed as part of this assessment.

9.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

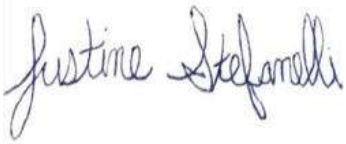
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Caroline Hanna
Project Manager

Reviewed By:



Justine Stefanelli
Senior Author

10.0 REFERENCES

Item	Date(s)	Source
Soils Information	Accessed May 2023	USDA Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Topographic Map	2012	USGS, Los Angeles
Depth to Groundwater Information	June 22, 1998	Groundwater monitoring data for 1165 West Sunset Boulevard, obtained from GeoTracker
Aerial Photographs	1923 to 2020 (non-inclusive)	EDR
Sanborn Map Report/Search	1888 to 1970 (non-inclusive)	EDR
City Directories	1920 to 2020 (non-inclusive)	EDR
Historical Topographic Maps	1894 to 2018 (non-inclusive)	EDR
Environmental Health Department	May 23, 2023	Los Angeles County Fire Department
State Environmental Agency	May 23, 2023	California Regional Water Quality Control Board
Fire Department	May 23, 2023	Los Angeles Fire Department
Building Department	May 26, 2023	Los Angeles Department of Building & Safety
Planning Department	May 25, 2023	Zone Information and Map Access System
Assessor's Information and Parcel Map	May 23, 2023	Los Angeles County
Other Agencies Searched	May 25, 2023	SWRCB GeoTracker, DTSC HWTS, and DTSC EnviroStor, SCAQMD
Oil and Gas Wells	May 25, 2023	California Geologic Energy Management Division
Oil and Gas Pipelines	May 25, 2023	NPMS Public Map Viewer https://www.npms.phmsa.dot.gov/PublicViewer/composite.jsf
Regulatory Database Report	May 23, 2023	EDR
Interview with Owner	N/A	Aragon Properties Corp.
Interview with Key Site Manager	May 24, 2023	Mr. Jeff Farrington
Previous Reports	February 26, 2013 March 22, 2013 September 28, 2022	*Phase I Environmental Site Assessment (1185-1245 West Sunset Boulevard, Los Angeles, CA)*, prepared by AEI Consultants *Phase II Subsurface Investigation (1185 - 1245 West Sunset Boulevard, Los Angeles, CA), prepared by* AEI Consultants *Soils Report (1185 Sunset Boulevard, Los Angeles, CA), prepared by* Citadel EHS
Radon Zone Information	2016	California Department of Health Services Radon Database https://www.cdph.ca.gov/Programs/CEH/DRSEM/Pages/EMB/Radon/Radon-Test-Results.aspx

APPENDIX A

FIGURES

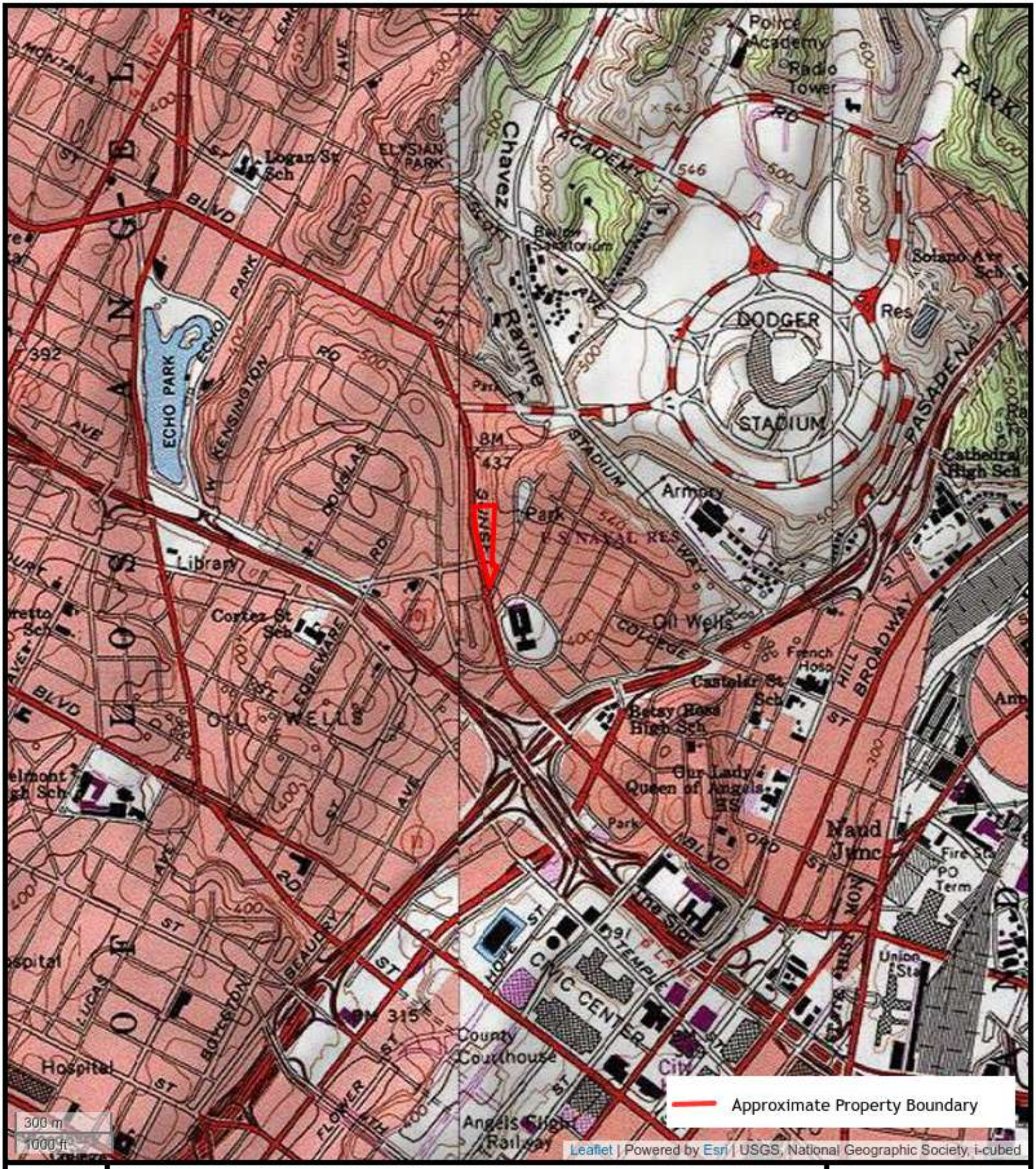


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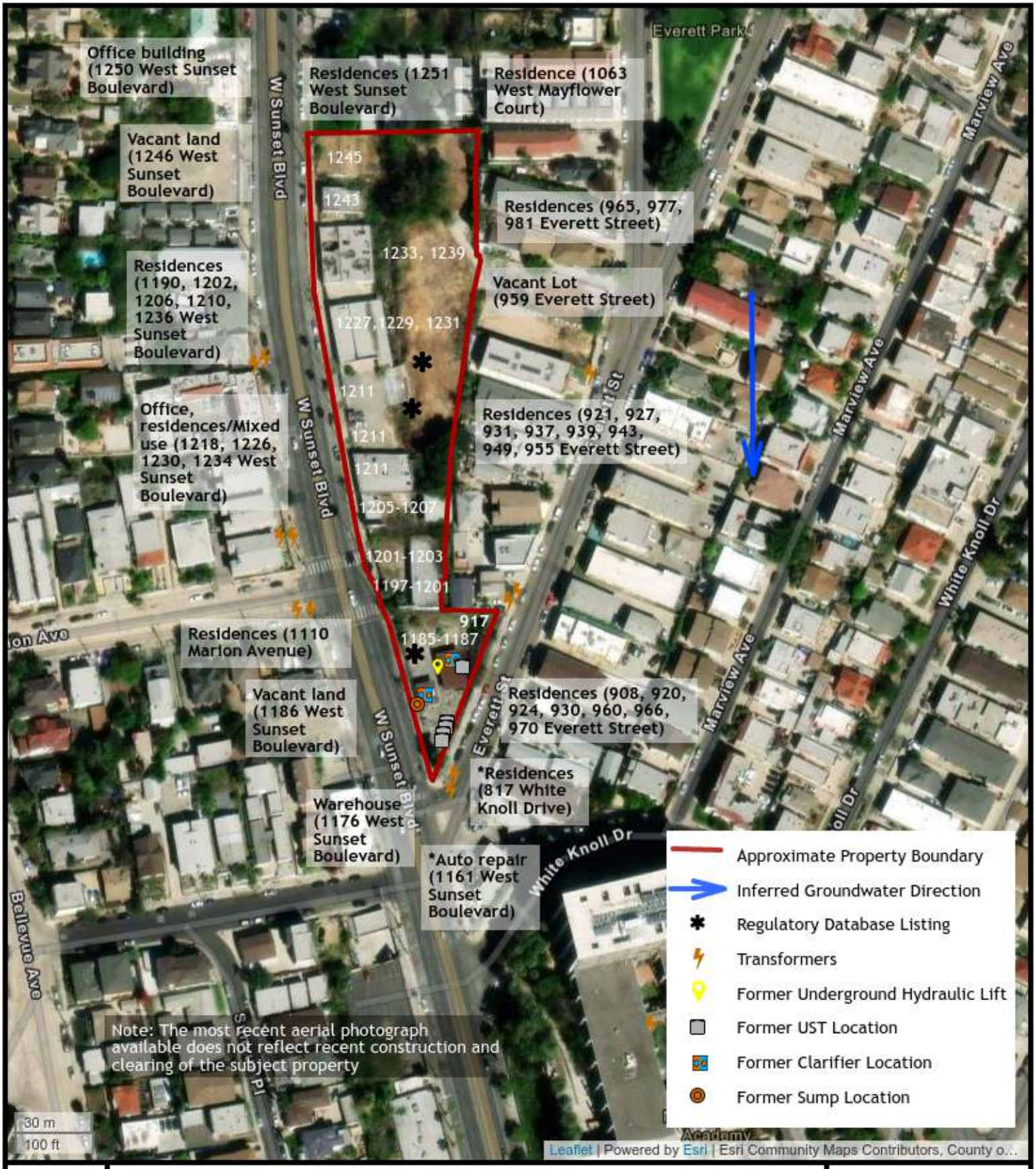
FIGURE 1: TOPOGRAPHIC MAP

1185-1247 W Sunset Boulevard & 917 N Everett Street, Los Angeles, California 90026

AEI Project Number: 479224

AEI



N

FIGURE 2a: SITE MAP

1185-1247 W Sunset Boulevard & 917 N Everett Street, Los Angeles, California 90026

AEI Project Number: 479224

AEI

SITE MAP

1185-1247 W Sunset Boulevard & 917 N Everett Street, Los Angeles, California 90026

N

Legend

Hazardous Materials Storage Area
Clarifiers
Former Hydraulic Lifts
Former US locations
Approximate Property Boundary
Soil Boring locations

FIGURE 2B

Project Number: 479224

AEI Consultants

SITE MAP

1185-1247 W Sunset Boulevard & 917 N Everett Street, Los Angeles, CA

N

Legend

AEI's Phase II Boring Location - March 2013 AEI-B1

Approximate Subject Property Line

Approximate USTs Location

FIGURE 2C

Project Number: 479224

AEI Consultants

APPENDIX B

PROPERTY PHOTOGRAPHS

1. View of subject property from Everett Street

2. View of subject property from Everett Street

3. View of subject property from Everett Street

4. View of subject property from Everett Street

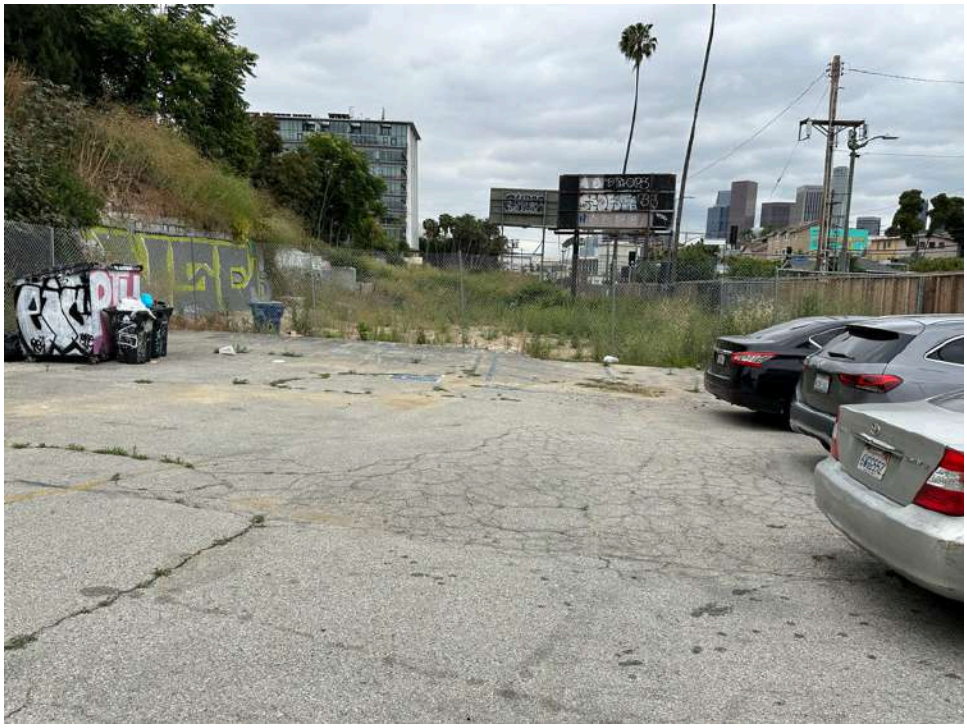
5. View of subject property from the south

6. View of subject property from Sunset Boulevard

7. View of subject property from Sunset Boulevard

8. View of subject property from Sunset Boulevard

9. Minor debris



10. Parking lot along Sunset Boulevard

11. North adjoining residences

12. Adjoining vacant lot to the east at 959 Everett Street

13. East adjoining residences

14. East adjoining residences

15. East adjoining residences

16. South adjoining auto shop

17. West adjoining mixed-use building

18. West adjoining residences

19. West adjoining vacant land

20. West adjoining vacant land

21. West adjoining mixed-use building

22. West adjoining residences

23. West adjoining residences

24. West adjoining commercial building

25. West adjoining residences

26. West adjoining warehouse

27. West adjoining vacant land

28. West adjoining residences

APPENDIX C

REGULATORY DATABASE

479224
1185-1245 W Sunset Boulevard
Los Angeles, CA 90026

Inquiry Number: 7344021.2s
May 23, 2023

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Physical Setting Source Summary	A-2
Physical Setting Source Map	A-23
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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1185-1245 W SUNSET BOULEVARD
LOS ANGELES, CA 90026

COORDINATES

Latitude (North):	34.0679300 - 34ˆ 4' 4.54''
Longitude (West):	118.2497730 - 118ˆ 14' 59.18''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	384672.1
UTM Y (Meters):	3770198.0
Elevation:	412 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630795 LOS ANGELES, CA
Version Date:	2012
West Map:	5630741 HOLLYWOOD, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140515, 20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1185-1245 W SUNSET BOULEVARD
LOS ANGELES, CA 90026

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	B & F AUTO REPAIR	1185 W SUNSET BLVD	HWTS		TP
A2	HERNANDEZ FERNANDO	1185 W SUNSET BLVD	EDR Hist Auto		TP
A3	ARAGON (SUNSET/EVERE	1185 W SUNSET BLVD	CERS HAZ WASTE, HAZMAT		TP
A4	RUSSEL BEILFUSS	1185-1427 1/2 WEST S	FINDS, ECHO		TP
A5	O & J AUTO REPAIR AN	1185 W SUNSET BLVD	HWTS		TP
A6	RUSSEL BEILFUSS	1185-1427 1/2 WEST S	HAZNET, HWTS		TP
A7	O & J AUTO REPAIR AN	1185 W SUNSET BLVD	HWTS		TP
A8	RUSSEL BEILFUSS	1185-1427 1/2 WEST S	RCRA NonGen / NLR		TP
A9	O&J AUTO REPAIR & SA	1185 W SUNSET BLVD	FINDS		TP
A10	ARAGON(SUNSET/EVERET	1187 SUNSET BLVD	ECHO		TP
A11	ARAGON(SUNSET/EVERET	1187 SUNSET BLVD	RCRA NonGen / NLR		TP
A12	ARAGON(SUNSET/EVERET	1187 SUNSET BLVD	FINDS		TP
B13	DEVIN J H	1211 S SUNSET BLVD	EDR Hist Auto		TP
B14	RELIABLE SASH & DOOR	1229 W SUNSET BLVD	HAZMAT		TP
B15	RELIABLE SASH & DOOR	1229 W SUNSET BLVD	FINDS		TP
A16	COMBS JAS	1181 S SUNSET BLVD	EDR Hist Auto	Lower	122, 0.023, South
A17	JUDY CHU	817 WHITE KNOLL DRIV	RCRA NonGen / NLR	Lower	137, 0.026, SE
C18	METATRON GROUP LLC	985 EVERETT STREET	RCRA NonGen / NLR	Higher	137, 0.026, NNE
C19	DAVID VIVANCO	974 EVERETT ST.	RCRA NonGen / NLR	Higher	146, 0.028, NE
D20		1261 SUNSET BLVD	UST	Higher	168, 0.032, North
D21	TAYLOR HENRY	1261 S SUNSET BLVD	EDR Hist Auto	Higher	168, 0.032, North
C22	KATIE DEMPSTER	978 1/2 EVERETT ST	RCRA NonGen / NLR	Higher	176, 0.033, NE
C23	KATIE DEMPSTER	978 1/2 EVERETT ST	RCRA NonGen / NLR	Higher	176, 0.033, NE
E24	SACKMAN G D	1167 S SUNSET BLVD	EDR Hist Auto	Lower	201, 0.038, South
E25	SENGS AUTO REPAIR IN	1165 W SUNSET BLVD	EDR Hist Auto	Lower	213, 0.040, South
E26	SENG AUTO	1165 W SUNSET BLVD	SWEEPS UST, CA FID UST, HAZMAT, CERS	Lower	213, 0.040, South
E27	KATHLEEN ROSS PROPER	1165 SUNSET BLVD W	LUST, Cortese, HIST CORTESE, CERS	Lower	213, 0.040, South
D28	TAYLOR HAMAIG	1275 S SUNSET BLVD	EDR Hist Auto	Higher	267, 0.051, North
E29	THE ELYSIAN	1115 W SUNSET BLVD	CERS TANKS, CERS	Higher	297, 0.056, SE
E30	THE ELYSIAN	1115 SUNSET BLVD	UST	Higher	297, 0.056, SE
E31	THE ELYSIAN	1115 W SUNSET BLVD	UST	Higher	297, 0.056, SE
E32	THE ELYSIAN	1115 SUNSET BLVD	HAZMAT	Higher	297, 0.056, SE
33	JOSHUA KAZDAN	770 E. KENSINGTON RD	RCRA NonGen / NLR	Higher	379, 0.072, NNW
D34	FAR EAST AUTO SERVIC	1289 W SUNSET BLVD	CERS HAZ WASTE, HAZMAT, CERS, HWTS	Higher	418, 0.079, North
D35	FAR EAST AUTO SERVIC	1289 W SUNSET BLVD	RCRA NonGen / NLR	Higher	418, 0.079, North
D36	TATUNG AUTO SUPPLY	1286 W SUNSET BLVD	HAZMAT	Higher	443, 0.084, NNW
F37	SAMUEL WILLIAM ANTHO	1031 EVERETT ST	RCRA NonGen / NLR	Higher	477, 0.090, NNE
F38	SAM JOHNSON	1031 EVERETT ST	RCRA NonGen / NLR	Higher	477, 0.090, NNE
G39	LA FRIENDS CHILD CAR	707 KENSINGTON RD	RCRA-SQG, FINDS, ECHO	Higher	541, 0.102, WNW

MAPPED SITES SUMMARY

Target Property Address:
1185-1245 W SUNSET BOULEVARD
LOS ANGELES, CA 90026

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	HERZOG D H	1298 S SUNSET BLVD	EDR Hist Cleaner	Higher	541, 0.102, NNW
I41	METROPOLITAN WATER D	1111 W SUNSET BLVD	HAZNET, HAZMAT, HWTS	Higher	581, 0.110, SSE
I42	METROPOLITAN WATER D	1111 SUNSET BLVD	RCRA-SQG, FINDS, ECHO	Higher	581, 0.110, SSE
I43	METROPOLITAN WATER D	1111 W SUNSET BLVD	UST	Higher	581, 0.110, SSE
I44	WATER DISTRICT OF SO	1111 W SUNSET BLVD	SWEEPS UST, CA FID UST	Higher	581, 0.110, SSE
45	EVAN DEC	938 WHITE KNOLL DRIV	RCRA NonGen / NLR	Higher	608, 0.115, East
G46	BAALBERGEN F H	1232 BELLEVUE AVE	EDR Hist Cleaner	Higher	621, 0.118, West
J47	PATRICK QUAN	974 WHITE KNOLL DRIV	RCRA NonGen / NLR	Higher	636, 0.120, ENE
J48	CITY OF LOS ANGELES	1111 FIGUEROA	CPS-SLIC	Higher	637, 0.121, NE
H49	A QUALITY AUTO SERVI	1301 W SUNSET BLVD	SWEEPS UST, CA FID UST, EMI, HIST CORTESE	Higher	651, 0.123, North
H50	DONALD COZEN	1301 SUNSET BLVD W	LUST, Cortese, CERS	Higher	651, 0.123, North
H51	ALKO AUTO CENTER	1301 W SUNSET BLVD	EDR Hist Auto	Higher	651, 0.123, North
H52	HUBBARD ONE INC	1301 W SUNSET BLVD	HAZMAT	Higher	651, 0.123, North
K53	LARRY WIGGS	910 EAST EDGEWARE RO	RCRA NonGen / NLR	Higher	689, 0.130, NW
L54		1100 SUNSET BLVD	UST	Lower	797, 0.151, South
L55		1110 BELLEVUE	UST	Lower	844, 0.160, South
L56	MARLAND COMPANY	1100-1154 BELLEVUE A	LUST, Cortese, CERS	Lower	857, 0.162, South
L57	KROQ	655 NORTH BEAUDRY	AST	Lower	863, 0.163, SSE
M58	STATE OF CALIF - DEP	806 N BEAUDRY AVE	HIST UST, HAZMAT	Lower	864, 0.164, SE
M59	SPRAGUE	806 N BEAUDRY ST	SWEEPS UST, CA FID UST	Lower	864, 0.164, SE
M60	LA1 AND LA2 WELL SIT	806 NORTH BEAUDRY	CPS-SLIC, CERS	Lower	864, 0.164, SE
L61	MARLAND CO.	538 BEAUDRY	CPS-SLIC	Lower	916, 0.173, South
L62	MARLAND CO	538 N. BEAUDRY AVE	CPS-SLIC, CERS	Lower	916, 0.173, South
63	OLIVIA OROZCO	948 EAST EDGEWARE RD	RCRA NonGen / NLR	Higher	916, 0.173, NW
K64	DAVE LONGSTRETH	1314 KELLAM AVENUE	RCRA NonGen / NLR	Higher	936, 0.177, WNW
N65	LOS ANGELES DODGERS	1000 VIN SCULLY AVE.	RCRA NonGen / NLR	Higher	1001, 0.190, North
N66	DODGER STADIUM 76 (2	1000 W ELYSIAN PARK	HAZMAT	Higher	1001, 0.190, North
N67	CONOCOPHILLIPS SITE	1000 ELYSTAN PARK AV	RCRA-SQG	Higher	1001, 0.190, North
N68	DODGER STADIUM 76 (2	1000 W ELYSIAN PARK	UST	Higher	1001, 0.190, North
N69	LOS ANGELES DODGERS	1000 VIN SCULLY AVEN	RCRA NonGen / NLR	Higher	1001, 0.190, North
O70	K & K		MINES MRDS	Higher	1039, 0.197, NE
L71	LEE, SHIN CHAN	1065 W. SUNSET BLVD	RCRA NonGen / NLR	Lower	1041, 0.197, SSE
P72	EDWIN SOUZA	1290 BELLDUE AVENUE	RCRA NonGen / NLR	Higher	1047, 0.198, West
L73	JACK IN THE BOX, INC	516 N BEAUDRY AVE	HAZMAT, CERS	Lower	1053, 0.199, South
Q74	RADI'S MECHANIC SERV	1344 W SUNSET BLVD	CERS HAZ WASTE	Higher	1057, 0.200, NNW
Q75	RADI'S MECHANICS SER	1344 SUNSET BLVD	RCRA NonGen / NLR	Higher	1057, 0.200, NNW
76	LOS ANGELES BRICK CO		MINES MRDS	Higher	1093, 0.207, ENE
77		1012 S FIGUEROA TER	UST	Higher	1121, 0.212, East
O78	ANGELINO HEIGHTS (IN	1750 STADIUM WAY	US BROWNFIELDS, FINDS	Higher	1133, 0.215, NE

MAPPED SITES SUMMARY

Target Property Address:
1185-1245 W SUNSET BOULEVARD
LOS ANGELES, CA 90026

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	MWD HEADQUARTERS GAR	610 FIGUEROA TERRACE	LUST, Cortese, HIST CORTESE, CERS	Lower	1142, 0.216, SE
Q80		1341 SUNSET BLVD	UST	Higher	1146, 0.217, North
81	LA ECHO PARK CHILD C	1010 DOUGLAS ST	RCRA-SQG, FINDS, ECHO	Higher	1176, 0.223, NW
R82	SUNSET BUILDERS SUPP	1029 W SUNSET BLVD	HAZMAT	Lower	1183, 0.224, SSE
S83	CVS PHARMACY # 9674	1050 W SUNSET BLVD	HAZNET, HAZMAT, HWTS	Lower	1219, 0.231, South
S84	CVS PHARMACY # 9674	1050 WEST SUNSET BOU	RCRA-LQG, FINDS, ECHO	Lower	1219, 0.231, South
S85	CVS PHARMACY #9674	1050 SUNSET BLVD	CERS HAZ WASTE, HAZNET, HWTS	Lower	1219, 0.231, South
T86	PENN, INC	1201 W TEMPLE ST	HAZMAT	Lower	1244, 0.236, SW
87	YUCATAN AUTO SERVICE	1243 W TEMPLE ST	HAZMAT	Higher	1262, 0.239, WSW
T88	VIERTELS AUTOMOTIVE	1155 W TEMPLE ST	RCRA-SQG, CERS HAZ WASTE, FINDS, ECHO, HAZMAT,...	Lower	1279, 0.242, SSW
89	JIM PRAGER	1340 CARROLL AVE	RCRA NonGen / NLR	Higher	1286, 0.244, WNW
R90	AT&T MOBILITY GRAND/	1000 W SUNSET BLVD S	HAZMAT	Lower	1293, 0.245, SSE
P91	FIRE STATION 6	536 E EDGEWARE RD	HIST UST	Higher	1315, 0.249, WSW
P92		534 E EDGEWARE RD	UST	Higher	1320, 0.250, WSW
P93	LA FIRE STATION 6	534 E EDGEWARE RD	RCRA-SQG, FINDS	Higher	1320, 0.250, WSW
P94	LOS ANGELES FIRE STA	534 W EDGEWARE RD	SWEEPS UST, CA FID UST	Higher	1320, 0.250, WSW
P95		534 E EDGEWARE ST	UST	Higher	1320, 0.250, WSW
P96	FIRE STATION #6	534 E EDGEWARE RD	HIST UST	Higher	1320, 0.250, WSW
97	VICTOR RECYCLING CEN	1127 W TEMPLE ST	SWRCY	Lower	1352, 0.256, SSW
98	801 TOWER BUILDING	845 FIGUEROA AVE S	LUST, Cortese, HIST CORTESE, CERS	Lower	1777, 0.337, ESE
U99	DOWNTOWN BUSINESS MA	1061 & 1081 WEST TEM	ENVIROSTOR, SCH	Lower	1803, 0.341, South
100	PLASENCIA ELEMENTARY	1321 CORTEZ STREET	ENVIROSTOR, SCH, EMI, CERS	Higher	1818, 0.344, WSW
U101	BANK OF AMERICA	1000 W TEMPLE	ENVIROSTOR, SWEEPS UST, CA FID UST, EMI, HAZNET,...	Lower	1935, 0.366, South
U102	BANK OF AMERICAN DAT	1000 TEMPLE	HIST UST, HIST CORTESE	Lower	1935, 0.366, South
U103	BANK OF AMERICA DATA	1000 TEMPLE ST W	LUST, Cortese, CERS	Lower	1935, 0.366, South
V104	LOS ANGELES NAVAL &	1700 STADIUM WAY	RESPONSE, ENVIROSTOR, CPS-SLIC, CERS TANKS, DEED,.	Lower	1950, 0.369, East
V105	NAVAL-MARINE CORPS R	1700 STADIUM WAY	LUST, CHMIRS, CERS	Lower	1950, 0.369, East
V106	US MARINE CORPS RESE	1700 STADIUM WAY	LUST, HIST Cal-Sites, SWEEPS UST, CA FID UST	Lower	1950, 0.369, East
W107	MENDOZA SERVICE, INC	866 CESAR CHAVEZ ST	LUST, Cortese, HIST CORTESE, CERS	Lower	2042, 0.387, SSE
W108	UNOCAL #0253	900 SUNSET BLVD	LUST, Cortese	Lower	2069, 0.392, SSE
W109	SERVICE SATTION 0253	900 SUNSET BOULEVARD	LUST, HIST UST, HIST CORTESE, CERS	Lower	2069, 0.392, SSE
W110	G. H. PALMER & ASSOC	867 CESAR CHAVEZ AVE	LUST, Cortese, CERS	Lower	2102, 0.398, SSE
X111	NAVAL RESERVE ARMORY		FUDS	Lower	2257, 0.427, East
X112	NAVAL RESERVE ARMORY		ENVIROSTOR	Lower	2278, 0.431, East
Y113	1260	1260 W. COURT ST	US BROWNFIELDS	Higher	2361, 0.447, SW
Z114	ARCO #81460	1467 SUNSET BLVD W	LUST, Cortese, CERS	Higher	2362, 0.447, NNW
Z115	ARCO #81460	1467 SUNSET	HIST CORTESE	Higher	2362, 0.447, NNW
Y116	COURT ST	1272-1276 W. COURT S	US BROWNFIELDS	Higher	2478, 0.469, SW
117	BELMONT LEARNING CEN	1ST STREET/BEAUDRY	ENVIROSTOR, SCH	Lower	3255, 0.616, SSW

MAPPED SITES SUMMARY

Target Property Address:
1185-1245 W SUNSET BOULEVARD
LOS ANGELES, CA 90026

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
118	VISTA HERMOSA	1101 W. 1ST STREET	ENVIROSTOR, SCH, CERS	Lower	3267, 0.619, SSW
119	G.C. HEWITT COMPANY	174 GLENDALE BLVD.	ENVIROSTOR, HIST UST	Lower	3277, 0.621, WSW
120	HOLLOWAY DRY CLEANER	1159 ECHO PARK BLVD	Notify 65	Lower	3337, 0.632, NW
121	REGENCY CLEANERS	1411 ECHO PARK AVE	RCRA-SQG, ENVIROSTOR, CPS-SLIC, VCP, DEED, FINDS,...	Lower	3626, 0.687, NNW
122	PROPOSED ROCKWOOD CH	1552 ROCKWOOD STREET	ENVIROSTOR, VCP, DEED	Lower	3825, 0.724, WSW
AA123	BLOSSOM PLAZA	900 NORTH BROADWAY	ENVIROSTOR, VCP, ENF, NPDES, CIWQS	Lower	4144, 0.785, ESE
AA124	CORNFIELD SITE	1245 N. SPRING STREE	ENVIROSTOR, VCP	Lower	4332, 0.820, ESE
125	ALTERNATE CENTRAL LO	LUCAS AVENUE/MIRAMAR	ENVIROSTOR, SCH	Higher	4578, 0.867, SW
126	IGLESIA NI CRISTO	141 NORTH UNION AVEN	ENVIROSTOR, VCP	Higher	4687, 0.888, West
127	CENTRAL LOS ANGELES	350 S. BIXEL STREET	ENVIROSTOR, SCH, CERS	Higher	4890, 0.926, SW
128	MAGNUS COMPANY, INC	860 NORTH MAIN STREE	ENVIROSTOR	Lower	4953, 0.938, ESE
129	CENTRAL REGION ES #1	2115 MARATHON STREET	ENVIROSTOR, SCH, CERS	Lower	5072, 0.961, WNW
130	1101 N MAIN	1101 NORTH MAIN STRE	ENVIROSTOR, VCP, HAZNET, NPDES, HAZMAT, CIWQS,...	Lower	5101, 0.966, ESE
131	GRATTS ELEMENTARY SC	309 LUCAS AVENUE	ENVIROSTOR, CPS-SLIC, SCH, ENF, HIST CORTESE,...	Lower	5110, 0.968, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
B & F AUTO REPAIR 1185 W SUNSET BLVD LOS ANGELES, CA 90012	HWTS	N/A
HERNANDEZ FERNANDO 1185 W SUNSET BLVD LOS ANGELES, CA 90012	EDR Hist Auto	N/A
ARAGON (SUNSET/EVERE 1185 W SUNSET BLVD LOS ANGELES, CA 90026	CERS HAZ WASTE HAZMAT Database: LOS ANGELES HM, Date of Government Version: 11/01/2022	N/A
RUSSEL BEILFUSS 1185-1427 1/2 WEST S LOS ANGELES, CA 90026	FINDS Registry ID:: 110070464821 ECHO Registry ID: 110070464821	N/A
O & J AUTO REPAIR AN 1185 W SUNSET BLVD LOS ANGELES, CA 90012	HWTS	N/A
RUSSEL BEILFUSS 1185-1427 1/2 WEST S LOS ANGELES, CA 90026	HAZNET GEPAID: CAC002973703 HWTS	N/A
O & J AUTO REPAIR AN 1185 W SUNSET BLVD LOS ANGELES, CA 90012	HWTS	N/A
RUSSEL BEILFUSS 1185-1427 1/2 WEST S LOS ANGELES, CA 90026	RCRA NonGen / NLR EPA ID:: CAC002973703	CAC002973703
O&J AUTO REPAIR & SA 1185 W SUNSET BLVD LOS ANGELES, CA 90026	FINDS Registry ID:: 110064926077	N/A
ARAGON(SUNSET/EVERET 1187 SUNSET BLVD LOS ANGELES, CA 90012	ECHO	N/A

EXECUTIVE SUMMARY

Registry ID: 110071265649

ARAGON(SUNSET/EVERET 1187 SUNSET BLVD LOS ANGELES, CA 90012	RCRA NonGen / NLR EPA ID:: CAC003174277	CAC003174277
ARAGON(SUNSET/EVERET 1187 SUNSET BLVD LOS ANGELES, CA 90012	FINDS	N/A
DEVIN J H 1211 S SUNSET BLVD LOS ANGELES, CA	EDR Hist Auto	N/A
RELIABLE SASH & DOOR 1229 W SUNSET BLVD LOS ANGELES, CA 90026	HAZMAT Database: LOS ANGELES HM, Date of Government Version: 11/01/2022	N/A
RELIABLE SASH & DOOR 1229 W SUNSET BLVD LOS ANGELES, CA 90026	FINDS Registry ID:: 110066162930	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

SEMS Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS Land Use Control Information System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROLS Institutional Controls Sites List

Federal ERNS list

ERNS Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST Underground Storage Tank Listing
INDIAN UST Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP Voluntary Cleanup Priority Listing
VCP Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT Waste Management Unit Database

HAULERS Registered Waste Tire Haulers Listing
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
ODI Open Dump Inventory
IHS OPEN DUMPS Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN Key Areas of Concerns in Los Angeles County
US HIST CDL Delisted National Clandestine Laboratory Register
SCH School Property Evaluation Program
CDL Clandestine Drug Labs
Toxic Pits Toxic Pits Cleanup Act Sites
US CDL National Clandestine Laboratory Register

Local Land Records

LIENS Environmental Liens Listing
LIENS 2 CERCLA Lien Information

Records of Emergency Release Reports

HMIRS Hazardous Materials Information Reporting System
CHMIRS California Hazardous Material Incident Report System
LDS Land Disposal Sites Listing
MCS Military Cleanup Sites Listing
SPILLS 90 SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD Department of Defense Sites
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR Financial Assurance Information
EPA WATCH LIST EPA WATCH LIST
2020 COR ACTION 2020 Corrective Action Program List
TSCA Toxic Substances Control Act
TRIS Toxic Chemical Release Inventory System
SSTS Section 7 Tracking Systems
ROD Records Of Decision
RMP Risk Management Plans
RAATS RCRA Administrative Action Tracking System
PRP Potentially Responsible Parties
PADS PCB Activity Database System
ICIS Integrated Compliance Information System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
CONSENT Superfund (CERCLA) Consent Decrees
INDIAN RESERV Indian Reservations

FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
PFAS TRIS	List of PFAS Added to the TRI
LOS ANGELES CO LF METHANE	Methane Producing Landfills

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP---------- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-LQG site within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY # 9674 EPA ID:: CAR000238139	***1050 WEST SUNSET BOU***	***S 1/8 - 1/4 (0.231 mi.)***	***S84***	***321***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2023 has revealed that there are 6 RCRA-SQG sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA FRIENDS CHILD CAR EPA ID:: CAD981987746	***707 KENSINGTON RD***	***WNW 0 - 1/8 (0.102 mi.)***	***G39***	***103***
METROPOLITAN WATER D EPA ID:: CAD063842975	***1111 SUNSET BLVD***	***SSE 0 - 1/8 (0.110 mi.)***	***I42***	***108***
CONOCOPHILLIPS SITE EPA ID:: CAL000276910	1000 ELYSTAN PARK AV	N 1/8 - 1/4 (0.190 mi.)	N67	142
LA ECHO PARK CHILD C EPA ID:: CAD981988066	***1010 DOUGLAS ST***	***NW 1/8 - 1/4 (0.223 mi.)***	***81***	***173***
LA FIRE STATION 6 EPA ID:: CAD981963127	***534 E EDGEWARE RD***	***WSW 1/8 - 1/4 (0.250 mi.)***	***P93***	***365***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VIERTELS AUTOMOTIVE EPA ID:: CAD983672429	***1155 W TEMPLE ST***	***SSW 1/8 - 1/4 (0.242 mi.)***	***T88***	***352***

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES NAVAL &	***1700 STADIUM WAY***	***E 1/4 - 1/2 (0.369 mi.)***	***V104***	***399***

Database: RESPONSE, Date of Government Version: 01/23/2023
Status: Refer: RWQCB
Facility Id: 19970021

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information

that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/23/2023 has revealed that there are 19 ENVIROSTOR sites within approximately 1 of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PLASENCIA ELEMENTARY Facility Id: 60000055 Status: Inactive - Needs Evaluation	***1321 CORTEZ STREET***	***WSW 1/4 - 1/2 (0.344 mi.)***	***100***	***376***
ALTERNATE CENTRAL LO Facility Id: 19880038 Status: Certified	***LUCAS AVENUE/MIRAMAR***	***SW 1/2 - 1 (0.867 mi.)***	***125***	***501***
IGLESIA NI CRISTO Facility Id: 60001080 Status: No Further Action	***141 NORTH UNION AVEN***	***W 1/2 - 1 (0.888 mi.)***	***126***	***506***
CENTRAL LOS ANGELES Facility Id: 19390061 Status: No Action Required	***350 S. BIXEL STREET***	***SW 1/2 - 1 (0.926 mi.)***	***127***	***508***

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOWNTOWN BUSINESS MA Facility Id: 19000017 Status: No Action Required	***1061 & 1081 WEST TEM***	***S 1/4 - 1/2 (0.341 mi.)***	***U99***	***373***
BANK OF AMERICA Facility Id: 71003397 Status: Refer: Other Agency	***1000 W TEMPLE***	***S 1/4 - 1/2 (0.366 mi.)***	***U101***	***381***
LOS ANGELES NAVAL & Facility Id: 19970021 Status: Refer: RWQCB	***1700 STADIUM WAY***	***E 1/4 - 1/2 (0.369 mi.)***	***V104***	***399***
NAVAL RESERVE ARMORY Facility Id: 80000854 Status: Inactive - Needs Evaluation		E 1/4 - 1/2 (0.431 mi.)	X112	428
BELMONT LEARNING CEN Facility Id: 19820013 Status: No Action Required	***1ST STREET/BEAUDRY***	***SSW 1/2 - 1 (0.616 mi.)***	***117***	***440***
VISTA HERMOSA Facility Id: 60000001 Status: Certified / Operation & Maintenance	***1101 W. 1ST STREET***	***SSW 1/2 - 1 (0.619 mi.)***	***118***	***444***
G.C. HEWITT COMPANY Facility Id: 19510058 Status: Refer: Other Agency	***174 GLENDALE BLVD.***	***WSW 1/2 - 1 (0.621 mi.)***	***119***	***458***
REGENCY CLEANERS Facility Id: 60001767 Status: Certified O&M - Land Use Restrictions Only	***1411 ECHO PARK AVE***	***NNW 1/2 - 1 (0.687 mi.)***	***121***	***460***
PROPOSED ROCKWOOD CH Facility Id: 60002072	***1552 ROCKWOOD STREET***	***WSW 1/2 - 1 (0.724 mi.)***	***122***	***471***

Status: Certified / Operation & Maintenance

BLOSSOM PLAZA Facility Id: 60001902 Status: Certified	***900 NORTH BROADWAY***	***ESE 1/2 - 1 (0.785 mi.)***	***AA123***	***481***
CORNFIELD SITE Facility Id: 19400013 Status: Active	***1245 N. SPRING STREE***	***ESE 1/2 - 1 (0.820 mi.)***	***AA124***	***494***
MAGNUS COMPANY, INC Facility Id: 19370356 Status: No Further Action	860 NORTH MAIN STREE	ESE 1/2 - 1 (0.938 mi.)	128	511
CENTRAL REGION ES #1 Facility Id: 60000074 Status: Certified	***2115 MARATHON STREET***	***WNW 1/2 - 1 (0.961 mi.)***	***129***	***512***
1101 N MAIN Facility Id: 60002895 Status: No Further Action	***1101 NORTH MAIN STRE***	***ESE 1/2 - 1 (0.966 mi.)***	***130***	***518***
GRATTS ELEMENTARY SC Facility Id: 19820074 Status: Certified / Operation & Maintenance	***309 LUCAS AVENUE***	***SW 1/2 - 1 (0.968 mi.)***	***131***	***530***

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 13 LUST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DONALD COZEN Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Facility Id: 900260189 Status: Case Closed Global Id: T0603700721 Global ID: T0603700721	***1301 SUNSET BLVD W***	***N 0 - 1/8 (0.123 mi.)***	***H50***	***119***
ARCO #81460 Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/06/2023 Status: Completed - Case Closed Facility Id: 900260307 Status: Case Closed Global Id: T0603700732 Global ID: T0603700732	***1467 SUNSET BLVD W***	***NNW 1/4 - 1/2 (0.447 mi.)***	***Z114***	***432***

Lower Elevation	Address	Direction / Distance	Map ID	Page
KATHLEEN ROSS PROPER Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/06/2023	***1165 SUNSET BLVD W***	***S 0 - 1/8 (0.040 mi.)***	***E27***	***47***

Status: Completed - Case Closed
Facility Id: 900120289
Status: Case Closed
Global Id: T0603700524
Global ID: T0603700524

MARLAND COMPANY ***1100-1154 BELLEVUE A*** ***S 1/8 - 1/4 (0.162 mi.)*** ***L56*** ***127***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 900120434
Status: Case Closed
Global Id: T0603700538
Global ID: T0603700538

MWD HEADQUARTERS GAR ***610 FIGUEROA TERRACE*** ***SE 1/8 - 1/4 (0.216 mi.)*** ***79*** ***169***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 900120207
Status: Case Closed
Global Id: T0603700516
Global ID: T0603700516

801 TOWER BUILDING ***845 FIGUEROA AVE S*** ***ESE 1/4 - 1/2 (0.337 mi.)*** ***98*** ***370***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 900170125
Status: Case Closed
Global Id: T0603700592
Global ID: T0603700592

BANK OF AMERICA DATA ***1000 TEMPLE ST W*** ***S 1/4 - 1/2 (0.366 mi.)*** ***U103*** ***393***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 900120116
Status: Remedial action (cleanup) Underway
Global Id: T0603700510
Global ID: T0603700510

NAVAL-MARINE CORPS R ***1700 STADIUM WAY*** ***E 1/4 - 1/2 (0.369 mi.)*** ***V105*** ***407***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 900120334
Status: Case Closed
Global ID: T0603700529

US MARINE CORPS RESE ***1700 STADIUM WAY*** ***E 1/4 - 1/2 (0.369 mi.)*** ***V106*** ***410***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 1033
Global ID: T0603714859

MENDOZA SERVICE, INC ***866 CESAR CHAVEZ ST*** ***SSE 1/4 - 1/2 (0.387 mi.)*** ***W107*** ***415***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Facility Id: 900120307
Status: Case Closed
Global Id: T0603700526

Global ID: T0603700526

UNOCAL #0253 ***900 SUNSET BLVD*** ***SSE 1/4 - 1/2 (0.392 mi.)*** ***W108*** ***419***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 900120034
Status: Case Closed
Global ID: T0603700502

SERVICE SATTION 0253 ***900 SUNSET BOULEVARD*** ***SSE 1/4 - 1/2 (0.392 mi.)*** ***W109*** ***420***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T0603700502

G. H. PALMER & ASSOC ***867 CESAR CHAVEZ AVE*** ***SSE 1/4 - 1/2 (0.398 mi.)*** ***W110*** ***423***
Database: LUST, Date of Government Version: 03/06/2023
Status: Completed - Case Closed
Global Id: T10000000641

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 5 CPS-SLIC sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF LOS ANGELES	1111 FIGUEROA	NE 0 - 1/8 (0.121 mi.)	J48	118
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Remediation				

Lower Elevation	Address	Direction / Distance	Map ID	Page
LA1 AND LA2 WELL SIT	***806 NORTH BEAUDRY***	***SE 1/8 - 1/4 (0.164 mi.)***	***M60***	***132***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Open - Site Assessment Global Id: T10000008461				
MARLAND CO.	538 BEAUDRY	S 1/8 - 1/4 (0.173 mi.)	L61	134
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: No further action required				
MARLAND CO	***538 N. BEAUDRY AVE***	***S 1/8 - 1/4 (0.173 mi.)***	***L62***	***134***
Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: SL184291412				
LOS ANGELES NAVAL &	***1700 STADIUM WAY***	***E 1/4 - 1/2 (0.369 mi.)***	***V104***	***399***
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Database: CPS-SLIC, Date of Government Version: 03/06/2023 Facility Status: Completed - Case Closed Global Id: T0603700529 Facility Status: Site Assessment				

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 11 UST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1261 SUNSET BLVD	N 0 - 1/8 (0.032 mi.)	D20	28
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
THE ELYSIAN	1115 SUNSET BLVD	SE 0 - 1/8 (0.056 mi.)	E30	82
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
THE ELYSIAN	1115 W SUNSET BLVD	SE 0 - 1/8 (0.056 mi.)	E31	82
Database: UST, Date of Government Version: 12/02/2022				
Facility Id: FA0038822				
METROPOLITAN WATER D	1111 W SUNSET BLVD	SSE 0 - 1/8 (0.110 mi.)	I43	111
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Database: UST, Date of Government Version: 12/02/2022				
Facility Id: 24075				
DODGER STADIUM 76 (2	1000 W ELYSIAN PARK	N 1/8 - 1/4 (0.190 mi.)	N68	145
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1012 S FIGUEROA TER	E 1/8 - 1/4 (0.212 mi.)	77	163
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1341 SUNSET BLVD	N 1/8 - 1/4 (0.217 mi.)	Q80	173
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	534 E EDGEWARE RD	WSW 1/8 - 1/4 (0.250 mi.)	P92	365
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	534 E EDGEWARE ST	WSW 1/8 - 1/4 (0.250 mi.)	P95	368
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1100 SUNSET BLVD	S 1/8 - 1/4 (0.151 mi.)	L54	126
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				
Not reported	1110 BELLEVUE	S 1/8 - 1/4 (0.160 mi.)	L55	127
Database: LOS ANGELES UST, Date of Government Version: 11/01/2022				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KROQ	655 NORTH BEAUDRY	SSE 1/8 - 1/4 (0.163 mi.)	L57	130
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 04/06/2023 has revealed that there are 3 US BROWNFIELDS sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANGELINO HEIGHTS (IN ACRES property ID: 239994 ACRES property ID: 239951	***1750 STADIUM WAY***	***NE 1/8 - 1/4 (0.215 mi.)***	***O78***	***163***
1260 ACRES property ID: 212621	1260 W. COURT ST	SW 1/4 - 1/2 (0.447 mi.)	Y113	429
COURT ST ACRES property ID: 209261	1272-1276 W. COURT S	SW 1/4 - 1/2 (0.469 mi.)	Y116	437

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/02/2022 has revealed that there is 1 SWRCY site within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VICTOR RECYCLING CEN Cert Id: RC222591.001	1127 W TEMPLE ST	SSW 1/4 - 1/2 (0.256 mi.)	97	369

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
US MARINE CORPS RESE	***1700 STADIUM WAY***	***E 1/4 - 1/2 (0.369 mi.)***	***V106***	***410***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there are 4 CERS HAZ WASTE sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FAR EAST AUTO SERVIC	***1289 W SUNSET BLVD***	***N 0 - 1/8 (0.079 mi.)***	***D34***	***86***
RADI'S MECHANIC SERV	1344 W SUNSET BLVD	NNW 1/8 - 1/4 (0.200 mi.)	Q74	157

Lower Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #9674	***1050 SUNSET BLVD***	***S 1/8 - 1/4 (0.231 mi.)***	***S85***	***331***
VIERTELS AUTOMOTIVE	***1155 W TEMPLE ST***	***SSW 1/8 - 1/4 (0.242 mi.)***	***T88***	***352***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WATER DISTRICT OF SO Status: A Comp Number: 7278	***1111 W SUNSET BLVD***	***SSE 0 - 1/8 (0.110 mi.)***	***I44***	***112***
A QUALITY AUTO SERVI Comp Number: 7498	***1301 W SUNSET BLVD***	***N 0 - 1/8 (0.123 mi.)***	***H49***	***118***
LOS ANGELES FIRE STA Comp Number: 2634	***534 W EDGEWARE RD***	***WSW 1/8 - 1/4 (0.250 mi.)***	***P94***	***368***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENG AUTO Comp Number: 7523	***1165 W SUNSET BLVD***	***S 0 - 1/8 (0.040 mi.)***	***E26***	***35***
SPRAGUE Comp Number: 1004	***806 N BEAUDRY ST***	***SE 1/8 - 1/4 (0.164 mi.)***	***M59***	***132***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRE STATION 6	536 E EDGEWARE RD	WSW 1/8 - 1/4 (0.249 mi.)	P91	364
FIRE STATION #6	534 E EDGEWARE RD	WSW 1/8 - 1/4 (0.250 mi.)	P96	369

Facility Id: 00000047465

Lower Elevation	Address	Direction / Distance	Map ID	Page
STATE OF CALIF - DEP Facility Id: 00000016812	***806 N BEAUDRY AVE***	***SE 1/8 - 1/4 (0.164 mi.)***	***M58***	***131***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WATER DISTRICT OF SO Facility Id: 19029653 Status: A	***1111 W SUNSET BLVD***	***SSE 0 - 1/8 (0.110 mi.)***	***I44***	***112***
A QUALITY AUTO SERVI Facility Id: 19002748 Status: I	***1301 W SUNSET BLVD***	***N 0 - 1/8 (0.123 mi.)***	***H49***	***118***
LOS ANGELES FIRE STA Facility Id: 19024434 Status: A	***534 W EDGEWARE RD***	***WSW 1/8 - 1/4 (0.250 mi.)***	***P94***	***368***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENG AUTO Facility Id: 19002908 Status: I	***1165 W SUNSET BLVD***	***S 0 - 1/8 (0.040 mi.)***	***E26***	***35***
SPRAGUE Facility Id: 19024722 Status: I	***806 N BEAUDRY ST***	***SE 1/8 - 1/4 (0.164 mi.)***	***M59***	***132***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there is 1 CERS TANKS site within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE ELYSIAN	***1115 W SUNSET BLVD***	***SE 0 - 1/8 (0.056 mi.)***	***E29***	***51***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 02/27/2023 has revealed that there is 1 DEED

site within approximately 1 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES NAVAL &	***1700 STADIUM WAY***	***E 1/4 - 1/2 (0.369 mi.)***	***V104***	***399***
Status: COMPLETED - CASE CLOSED Envirostor ID: T0603714859				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/06/2023 has revealed that there are 20 RCRA NonGen / NLR sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
METATRON GROUP LLC EPA ID:: CAC002975388	985 EVERETT STREET	NNE 0 - 1/8 (0.026 mi.)	C18	24
DAVID VIVANCO EPA ID:: CAC003200558	974 EVERETT ST.	NE 0 - 1/8 (0.028 mi.)	C19	26
KATIE DEMPSTER EPA ID:: CAC003063767	978 1/2 EVERETT ST	NE 0 - 1/8 (0.033 mi.)	C22	29
KATIE DEMPSTER EPA ID:: CAC003063914	978 1/2 EVERETT ST	NE 0 - 1/8 (0.033 mi.)	C23	31
JOSHUA KAZDAN EPA ID:: CAC003051901	770 E. KENSINGTON RD	NNW 0 - 1/8 (0.072 mi.)	33	83
FAR EAST AUTO SERVIC EPA ID:: CAL000270004	1289 W SUNSET BLVD	N 0 - 1/8 (0.079 mi.)	D35	96
SAMUEL WILLIAM ANTHO EPA ID:: CAC003144469	1031 EVERETT ST	NNE 0 - 1/8 (0.090 mi.)	F37	99
SAM JOHNSON EPA ID:: CAC003137416	1031 EVERETT ST	NNE 0 - 1/8 (0.090 mi.)	F38	101
EVAN DEC EPA ID:: CAC003068105	938 WHITE KNOLL DRIV	E 0 - 1/8 (0.115 mi.)	45	113
PATRICK QUAN EPA ID:: CAC002989343	974 WHITE KNOLL DRIV	ENE 0 - 1/8 (0.120 mi.)	J47	116
LARRY WIGGS EPA ID:: CAC002979962	910 EAST EDGEWARE RO	NW 1/8 - 1/4 (0.130 mi.)	K53	124
OLIVIA OROZCO EPA ID:: CAC003156111	948 EAST EDGEWARE RD	NW 1/8 - 1/4 (0.173 mi.)	63	135
DAVE LONGSTRETH EPA ID:: CAC003106156	1314 KELLAM AVENUE	WNW 1/8 - 1/4 (0.177 mi.)	K64	137
LOS ANGELES DODGERS EPA ID:: CAC003038827	1000 VIN SCULLY AVE.	N 1/8 - 1/4 (0.190 mi.)	N65	140
LOS ANGELES DODGERS	1000 VIN SCULLY AVEN	N 1/8 - 1/4 (0.190 mi.)	N69	145

EPA ID:: CAC003052211				
EDWIN SOUZA EPA ID:: CAC003137537	1290 BELLDUE AVENUE	W 1/8 - 1/4 (0.198 mi.)	P72	151
RADI'S MECHANICS SER EPA ID:: CAL000249922	1344 SUNSET BLVD	NNW 1/8 - 1/4 (0.200 mi.)	Q75	160
JIM PRAGER EPA ID:: CAC003212646	1340 CARROLL AVE	WNW 1/8 - 1/4 (0.244 mi.)	89	362

Lower Elevation	Address	Direction / Distance	Map ID	Page
JUDY CHU EPA ID:: CAC002984050	817 WHITE KNOLL DRIV	SE 0 - 1/8 (0.026 mi.)	A17	22
LEE, SHIN CHAN EPA ID:: CAC002981769	1065 W. SUNSET BLVD	SSE 1/8 - 1/4 (0.197 mi.)	L71	149

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 02/01/2023 has revealed that there is 1 FUDS site within approximately 1 of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NAVAL RESERVE ARMORY		E 1/4 - 1/2 (0.427 mi.)	X111	427

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 12/14/2022 has revealed that there are 10 Cortese sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DONALD COZEN Cleanup Status: COMPLETED - CASE CLOSED	***1301 SUNSET BLVD W***	***N 0 - 1/8 (0.123 mi.)***	***H50***	***119***
ARCO #81460 Cleanup Status: COMPLETED - CASE CLOSED	***1467 SUNSET BLVD W***	***NNW 1/4 - 1/2 (0.447 mi.)***	***Z114***	***432***

Lower Elevation	Address	Direction / Distance	Map ID	Page
KATHLEEN ROSS PROPER Cleanup Status: COMPLETED - CASE CLOSED	***1165 SUNSET BLVD W***	***S 0 - 1/8 (0.040 mi.)***	***E27***	***47***
MARLAND COMPANY Cleanup Status: COMPLETED - CASE CLOSED	***1100-1154 BELLEVUE A***	***S 1/8 - 1/4 (0.162 mi.)***	***L56***	***127***
MWD HEADQUARTERS GAR Cleanup Status: COMPLETED - CASE CLOSED	***610 FIGUEROA TERRACE***	***SE 1/8 - 1/4 (0.216 mi.)***	***79***	***169***
801 TOWER BUILDING Cleanup Status: COMPLETED - CASE CLOSED	***845 FIGUEROA AVE S***	***ESE 1/4 - 1/2 (0.337 mi.)***	***98***	***370***
BANK OF AMERICA DATA	***1000 TEMPLE ST W***	***S 1/4 - 1/2 (0.366 mi.)***	***U103***	***393***

Cleanup Status: COMPLETED - CASE CLOSED

MENDOZA SERVICE, INC	***866 CESAR CHAVEZ ST***	***SSE 1/4 - 1/2 (0.387 mi.)***	***W107***	***415***
Cleanup Status: COMPLETED - CASE CLOSED				
UNOCAL #0253	***900 SUNSET BLVD***	***SSE 1/4 - 1/2 (0.392 mi.)***	***W108***	***419***
Cleanup Status: COMPLETED - CASE CLOSED				
G. H. PALMER & ASSOC	***867 CESAR CHAVEZ AVE***	***SSE 1/4 - 1/2 (0.398 mi.)***	***W110***	***423***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 9 HIST CORTESE sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
A QUALITY AUTO SERVI	***1301 W SUNSET BLVD***	***N 0 - 1/8 (0.123 mi.)***	***H49***	***118***
Reg Id: 900260189				
ARCO #81460	1467 SUNSET	NNW 1/4 - 1/2 (0.447 mi.)	Z115	437
Reg Id: 900260307				

Lower Elevation	Address	Direction / Distance	Map ID	Page
KATHLEEN ROSS PROPER	***1165 SUNSET BLVD W***	***S 0 - 1/8 (0.040 mi.)***	***E27***	***47***
Reg Id: 900120289				
MWD HEADQUARTERS GAR	***610 FIGUEROA TERRACE***	***SE 1/8 - 1/4 (0.216 mi.)***	***79***	***169***
Reg Id: 900120207				
801 TOWER BUILDING	***845 FIGUEROA AVE S***	***ESE 1/4 - 1/2 (0.337 mi.)***	***98***	***370***
Reg Id: 900170125				
BANK OF AMERICAN DAT	***1000 TEMPLE***	***S 1/4 - 1/2 (0.366 mi.)***	***U102***	***391***
Reg Id: 900120116				
LOS ANGELES NAVAL &	***1700 STADIUM WAY***	***E 1/4 - 1/2 (0.369 mi.)***	***V104***	***399***
Reg Id: 900120334				
MENDOZA SERVICE, INC	***866 CESAR CHAVEZ ST***	***SSE 1/4 - 1/2 (0.387 mi.)***	***W107***	***415***
Reg Id: 900120307				
SERVICE SATTION 0253	***900 SUNSET BOULEVARD***	***SSE 1/4 - 1/2 (0.392 mi.)***	***W109***	***420***
Reg Id: 900120034				

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2022 has revealed that there is 1 Notify 65 site within approximately 1 of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOLLOWAY DRY CLEANER	1159 ECHO PARK BLVD	NW 1/2 - 1 (0.632 mi.)	120	460

HAZMAT: San Jose Hazmat Facilities.

A review of the HAZMAT list, as provided by EDR, has revealed that there are 15 HAZMAT sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THE ELYSIAN	1115 SUNSET BLVD	SE 0 - 1/8 (0.056 mi.)	E32	83
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
FAR EAST AUTO SERVIC	***1289 W SUNSET BLVD***	***N 0 - 1/8 (0.079 mi.)***	***D34***	***86***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
TATUNG AUTO SUPPLY	1286 W SUNSET BLVD	NNW 0 - 1/8 (0.084 mi.)	D36	98
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
METROPOLITAN WATER D	***1111 W SUNSET BLVD***	***SSE 0 - 1/8 (0.110 mi.)***	***I41***	***106***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
HUBBARD ONE INC	1301 W SUNSET BLVD	N 0 - 1/8 (0.123 mi.)	H52	124
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
DODGER STADIUM 76 (2	1000 W ELYSIAN PARK	N 1/8 - 1/4 (0.190 mi.)	N66	142
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
YUCATAN AUTO SERVICE	1243 W TEMPLE ST	WSW 1/8 - 1/4 (0.239 mi.)	87	351
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENG AUTO	***1165 W SUNSET BLVD***	***S 0 - 1/8 (0.040 mi.)***	***E26***	***35***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
STATE OF CALIF - DEP	***806 N BEAUDRY AVE***	***SE 1/8 - 1/4 (0.164 mi.)***	***M58***	***131***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
JACK IN THE BOX, INC	***516 N BEAUDRY AVE***	***S 1/8 - 1/4 (0.199 mi.)***	***L73***	***153***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
SUNSET BUILDERS SUPP	1029 W SUNSET BLVD	SSE 1/8 - 1/4 (0.224 mi.)	R82	176
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
CVS PHARMACY # 9674	***1050 W SUNSET BLVD***	***S 1/8 - 1/4 (0.231 mi.)***	***S83***	***176***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
PENN, INC	1201 W TEMPLE ST	SW 1/8 - 1/4 (0.236 mi.)	T86	351
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
VIERTELS AUTOMOTIVE	***1155 W TEMPLE ST***	***SSW 1/8 - 1/4 (0.242 mi.)***	***T88***	***352***
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				
AT&T MOBILITY GRAND/	1000 W SUNSET BLVD S	SSE 1/8 - 1/4 (0.245 mi.)	R90	364
Database: LOS ANGELES HM, Date of Government Version: 11/01/2022				

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 08/23/2022 has revealed that there are 2 MINES MRDS sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
K & K		NE 1/8 - 1/4 (0.197 mi.)	O70	148
LOS ANGELES BRICK CO		ENE 1/8 - 1/4 (0.207 mi.)	76	162

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 6 EDR Hist Auto sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAYLOR HENRY	1261 S SUNSET BLVD	N 0 - 1/8 (0.032 mi.)	D21	29
TAYLOR HAMAIG	1275 S SUNSET BLVD	N 0 - 1/8 (0.051 mi.)	D28	51
ALKO AUTO CENTER	1301 W SUNSET BLVD	N 0 - 1/8 (0.123 mi.)	H51	123
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
COMBS JAS	1181 S SUNSET BLVD	S 0 - 1/8 (0.023 mi.)	A16	21
SACKMAN G D	1167 S SUNSET BLVD	S 0 - 1/8 (0.038 mi.)	E24	33
SENGS AUTO REPAIR IN	1165 W SUNSET BLVD	S 0 - 1/8 (0.040 mi.)	E25	34

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 2 EDR Hist Cleaner sites within approximately 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HERZOG D H	1298 S SUNSET BLVD	NNW 0 - 1/8 (0.102 mi.)	H40	106
BAALBERGEN F H	1232 BELLEVUE AVE	W 0 - 1/8 (0.118 mi.)	G46	115

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
LINK STATION US PROJECT	ENVIROSTOR, VCP

OVERVIEW MAP - 7344021.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	479224	CLIENT:	AEI Consultants
ADDRESS:	1185-1245 W Sunset Boulevard Los Angeles CA 90026	CONTACT:	Johanan Supnet
LAT/LONG:	34.06793 / 118.249773	INQUIRY #:	7344021.2s
		DATE:	May 23, 2023 8:52 am

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DETAIL MAP - 7344021.2S

0 1/16 1/8 1/4 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

100-year flood zone

500-year flood zone

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 479224	CLIENT: AEI Consultants
ADDRESS: 1185-1245 W Sunset Boulevard Los Angeles CA 90026	CONTACT: Johanan Supnet
LAT/LONG: 34.06793 / 118.249773	INQUIRY #: 7344021.2s DATE: May 23, 2023 8:53 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		2	4	NR	NR	NR	6
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	1	0	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	5	14	NR	19
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		2	2	9	NR	NR	13
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	3	1	NR	NR	5
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		4	7	NR	NR	NR	11
AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	1	2	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	1	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250	1	1	3	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		3	2	NR	NR	NR	5
HIST UST	0.250		0	3	NR	NR	NR	3
CA FID UST	0.250		3	2	NR	NR	NR	5
CERS TANKS	0.250		1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	2	11	9	NR	NR	NR	22
FUDS	1.000		0	0	1	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	4	NR	NR	NR	NR	NR	4
ECHO	TP	2	NR	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		2	2	6	NR	NR	10
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		2	1	6	NR	NR	9
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
HAZMAT	0.250	2	6	9	NR	NR	NR	17
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP	4	NR	NR	NR	NR	NR	4
PFAS TRIS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
MINES MRDS	0.250		0	2	NR	NR	NR	2
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125	2	6	NR	NR	NR	NR	8
EDR Hist Cleaner	0.125		2	NR	NR	NR	NR	2
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		18	46	52	34	15	0	165

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **B & F AUTO REPAIR** **HWTS** **S124897219**
Target **1185 W SUNSET BLVD** **N/A**
Property **LOS ANGELES, CA 90012**

Site 1 of 14 in cluster A

Actual:
412 ft.

HWTS:

Name:	B & F AUTO REPAIR
Address:	1185 W SUNSET BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAL000388726
Inactive Date:	06/30/2015
Create Date:	08/19/2013
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1145 ELDEN AVE APT 3
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900062932
Owner Name:	ELISA Y SANCHEZ
Owner Address:	1145 ELDEN AVE APT 3
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900062932
Contact Name:	ELISA Y SANCHEZ
Contact Address:	1145 ELDEN AVE APT 3
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900062932
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.067634
Longitude:	-118.249942

NAICS:

EPA ID:	CAL000388726
Create Date:	2014-12-16 05:37:50.997
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2013-08-19 13:16:47.11300
Inactive Date:	2015-06-30 00:00:00
Facility Name:	B & F AUTO REPAIR
Facility Address:	1185 W SUNSET BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900120000

EPA ID:	CAL000388726
Create Date:	2013-08-19 13:16:47.123
NAICS Code:	99999
NAICS Description:	Not Otherwise Specified
Issued EPA ID Date:	2013-08-19 13:16:47.11300
Inactive Date:	2015-06-30 00:00:00
Facility Name:	B & F AUTO REPAIR
Facility Address:	1185 W SUNSET BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA

B & F AUTO REPAIR (Continued) **S124897219**

Facility Zip: 900120000

A2 **HERNANDEZ FERNANDO** **EDR Hist Auto** **1021527264**
Target **1185 W SUNSET BLVD** **N/A**
Property **LOS ANGELES, CA 90012**

Site 2 of 14 in cluster A

Actual: **412 ft.**

EDR Hist Auto

Year:	Name:	Type:
1969	HERNANDEZ FERNANDO	Gasoline Service Stations
1970	HERNANDEZ FERNANDO	Gasoline Service Stations
1971	HERNANDEZ FERNANDO	Gasoline Service Stations
1972	HERNANDEZ FERNANDO	Gasoline Service Stations
1973	HERNANDEZ FERNANDO	Gasoline Service Stations
1974	HERNANDEZ FERNANDO	Gasoline Service Stations
1975	HERNANDEZ FERNANDO	Gasoline Service Stations
1976	HERNANDEZ FERNANDO	Gasoline Service Stations
1977	HERNANDEZ FERNANDO	Gasoline Service Stations
1978	HERNANDEZ FERNANDO	Gasoline Service Stations
1979	HERNANDEZ FERNANDO	Gasoline Service Stations
1994	SEMPE AUTO REPAIR	General Automotive Repair Shops
1995	SEMPE AUTO REPAIR	General Automotive Repair Shops
1996	SEMPE AUTO REPAIR	General Automotive Repair Shops
1997	SEMPE AUTO REPAIR	General Automotive Repair Shops
1998	SEMPE AUTO REPAIR	General Automotive Repair Shops
1999	SEMPE AUTO REPAIR	General Automotive Repair Shops
2000	SEMPE AUTO REPAIR	General Automotive Repair Shops
2006	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2007	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2008	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2009	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2010	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2011	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2012	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2013	SEMPE HERIBERTO L JR	General Automotive Repair Shops
2014	SEMPE HERIBERTO L JR	General Automotive Repair Shops

A3 **ARAGON (SUNSET/EVERETT) PROPERTIES CORP** **CERS HAZ WASTE** **S123536959**
Target **1185 W SUNSET BLVD** **HAZMAT** **N/A**
Property **LOS ANGELES, CA 90026**

Site 3 of 14 in cluster A

Actual: **412 ft.**

CERS HAZ WASTE:

Name:	O&J AUTO REPAIR & SALES
Address:	1185 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026
Site ID:	139125
CERS ID:	10252639
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	04-03-2014

ARAGON (SUNSET/EVERETT) PROPERTIES CORP (Continued) **S123536959**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTED BY DAVID AOKI CONSENT GIVEN BY BERNARDO FERNANDEZ
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-11-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-15-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: OUT OF BUSINESS
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

ARAGON (SUNSET/EVERETT) PROPERTIES CORP (Continued) **S123536959**

Affiliation Address:	1185 W SUNSET BL
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	O&J AUTO REPAIR & SALES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

LOS ANGELES HM:

Name:	ARAGON (SUNSET/EVERETT) PROPERTIES CORP
Address:	1185 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	FA0028838
Last Run Date:	11/01/2022
Status:	INACTIVE

A4 **RUSSEL BEILFUSS** **FINDS 1024676427**
Target **1185-1427 1/2 WEST SUNSET BLVD** **ECHO N/A**
Property **LOS ANGELES, CA 90026**

Site 4 of 14 in cluster A

Actual: 412 ft.

FINDS:
Registry ID: 110070464821

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024676427
Registry ID:	110070464821
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070464821
Name:	RUSSEL BEILFUSS
Address:	1185-1427 1/2 WEST SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026

A5 **O & J AUTO REPAIR AND SALES** **HWTS** **S124831367**
Target **1185 W SUNSET BLVD** **N/A**
Property **LOS ANGELES, CA 90012**

Site 5 of 14 in cluster A

Actual: **412 ft.**

HWTS:

Name:	O & J AUTO REPAIR AND SALES
Address:	1185 W SUNSET BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAL000236174
Inactive Date:	06/30/2002
Create Date:	02/15/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1185 W SUNSET BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900120000
Owner Name:	JOSE ALEMAN
Owner Address:	1185 W SUNSET BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900120000
Contact Name:	JOSE ALEMAN-OWNER
Contact Address:	1185 W SUNSET BLVD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900120000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.067305
Longitude:	-118.249896

NAICS:

EPA ID:	CAL000236174
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2002-02-15 00:00:00
Inactive Date:	2002-06-30 00:00:00
Facility Name:	O & J AUTO REPAIR AND SALES
Facility Address:	1185 W SUNSET BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900120000

A6 **RUSSEL BEILFUSS** **HAZNET** **S124692321**
Target **1185-1427 1/2 WEST SUNSET BLVD** **HWTS** **N/A**
Property **LOS ANGELES, CA 90026**

Site 6 of 14 in cluster A

Actual: **412 ft.**

HAZNET:

Name:	RUSSEL BEILFUSS
Address:	1185-1427 1/2 WEST SUNSET BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90026

RUSSEL BEILFUSS (Continued) **S124692321**

Contact: RUSSEL BEILFUSS
Telephone: 3108710727
Mailing Name: Not reported
Mailing Address: 1185-1427 1/2 WEST SUNSET BLVD

Year: 2018
Gepaid: CAC002973703
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.23000

HWTS:
Name: RUSSEL BEILFUSS
Address: 1185-1427 1/2 WEST SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90026
EPA ID: CAC002973703
Inactive Date: 10/31/2018
Create Date: 08/01/2018
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1185-1427 1/2 WEST SUNSET BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 90026
Owner Name: RUSSEL BEILFUSS
Owner Address: 1185-1427 1/2 WEST SUNSET BLVD
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 90026
Contact Name: RUSSEL BEILFUSS
Contact Address: 1185-1427 1/2 WEST SUNSET BLVD
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90026
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 34.074821
Longitude: -118.252714

A7 **O & J AUTO REPAIR AND SALES** **HWTS** **S124858530**
Target Property **1185 W SUNSET BLVD** **N/A**
LOS ANGELES, CA 90012

Site 7 of 14 in cluster A

Actual: 412 ft.

HWTS:
Name: O & J AUTO REPAIR AND SALES
Address: 1185 W SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAL000303135
Inactive Date: 06/30/2011
Create Date: 02/08/2006
Last Act Date: Not reported
Mailing Name: Not reported

O & J AUTO REPAIR AND SALES (Continued) **S124858530**

Mailing Address:	1185 W SUNSET BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900120000
Owner Name:	OSCAR CAMPOS
Owner Address:	604 S MAIN ST STE
Owner Address 2:	Not reported
Owner City,State,Zip:	BURBANK, CA 91506
Contact Name:	OSCAR CAMPOS
Contact Address:	1185 W SUNSET BLVD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900120000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.06755
Longitude:	-118.24994

NAICS:

EPA ID:	CAL000303135
Create Date:	2006-02-08 13:32:38.873
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2006-02-08 13:32:38.62300
Inactive Date:	2011-06-30 00:00:00
Facility Name:	O & J AUTO REPAIR AND SALES
Facility Address:	1185 W SUNSET BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900121245

A8 **RUSSEL BEILFUSS** **RCRA NonGen / NLR** **1024753888**
Target **1185-1427 1/2 WEST SUNSET BLVD** **CAC002973703**
Property **LOS ANGELES, CA 90026**

Site 8 of 14 in cluster A

Actual: 412 ft.

RCRA Listings:

Date Form Received by Agency:	20180801
Handler Name:	Russel Beilfuss
Handler Address:	1185-1427 1/2 WEST SUNSET BLVD
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC002973703
Contact Name:	RUSSEL BEILFUSS
Contact Address:	1185-1427 1/2 WEST SUNSET BLVD
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	310-871-0727
Contact Fax:	Not reported
Contact Email:	CAROLYN.KBEINC@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

RUSSEL BEILFUSS (Continued) **1024753888**

Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1185-1427 1/2 WEST SUNSET BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Russel Beilfuss
Owner Type:	Other
Operator Name:	Russel Beilfuss
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RUSSEL BEILFUSS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

RUSSEL BEILFUSS (Continued) **1024753888**

Owner/Operator Address: 1185-1427 1/2 WEST SUNSET BLVD
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 310-871-0727
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RUSSEL BEILFUSS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1185-1427 1/2 WEST SUNSET BLVD
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 310-871-0727
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180801
Handler Name: RUSSEL BEILFUSS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A9 **O&J AUTO REPAIR & SALES** **FINDS** **1023207410**
Target **1185 W SUNSET BLVD** **N/A**
Property **LOS ANGELES, CA 90026**

Site 9 of 14 in cluster A

Actual:
412 ft.

FINDS:
Registry ID: 110064926077

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

O&J AUTO REPAIR & SALES (Continued) **1023207410**

STATE MASTER

~~Click this hyperlink~~ while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A10 **ARAGON(SUNSET/EVERETT) PROPERTIES CORP.** **ECHO** **1027241797**
Target **1187 SUNSET BLVD** **N/A**
Property **LOS ANGELES, CA 90012**

Site 10 of 14 in cluster A

Actual: **413 ft.**

ECHO:

Envid:	1027241797
Registry ID:	110071265649
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110071265649
Name:	ARAGON(SUNSET/EVERETT) PROPERTIES CORP.
Address:	1187 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012

A11 **ARAGON(SUNSET/EVERETT) PROPERTIES CORP.** **RCRA NonGen / NLR** **1027209945**
Target **1187 SUNSET BLVD** **CAC003174277**
Property **LOS ANGELES, CA 90012**

Site 11 of 14 in cluster A

Actual: **413 ft.**

RCRA Listings:

Date Form Received by Agency:	20220503
Handler Name:	Aragon(Sunset/Everett) Properties Corp.
Handler Address:	1187 SUNSET BLVD
Handler City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAC003174277
Contact Name:	FRED SHAFFER
Contact Address:	1590 ROSECRANS AVE
Contact City,State,Zip:	MANHATTAN BEACH, CA 90266
Contact Telephone:	310-213-6560
Contact Fax:	Not reported
Contact Email:	FSHAFFER@ARAGON.CA
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1590 ROSECRANS AVE
Mailing City,State,Zip:	MANHATTAN BEACH, CA 90266
Owner Name:	Aragon(Sunset/Everett) Properties C
Owner Type:	Other
Operator Name:	Fred Shaffer
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

ARAGON(SUNSET/EVERETT) PROPERTIES CORP. (Continued) **1027209945**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220504
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ARAGON(SUNSET/EVERETT) PROPERTIES C	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1590 ROSECRANS AVE
Owner/Operator City,State,Zip:	MANHATTAN BEACH, CA 90266
Owner/Operator Telephone:	310-213-6560
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: FRED SHAFFER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1590 ROSECRANS AVE

ARAGON(SUNSET/EVERETT) PROPERTIES CORP. (Continued) **1027209945**

Owner/Operator City,State,Zip: MANHATTAN BEACH, CA 90266
Owner/Operator Telephone: 310-213-6560
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220503
Handler Name: ARAGON(SUNSET/EVERETT) PROPERTIES CORP.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 238290
NAICS Description: OTHER BUILDING EQUIPMENT CONTRACTORS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

A12 **ARAGON(SUNSET/EVERETT) PROPERTIES CORP.** **FINDS** **1027282280**
Target **1187 SUNSET BLVD** **N/A**
Property **LOS ANGELES, CA 90012**

Site 12 of 14 in cluster A

Actual:
413 ft.

FINDS:
Registry ID: 110071265649

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B13 **DEVIN J H** **EDR Hist Auto** **1009078982**
Target Property **1211 S SUNSET BLVD** **N/A**
LOS ANGELES, CA

Site 1 of 3 in cluster B

Actual: 425 ft.

EDR Hist Auto

Year:	Name:	Type:
1929	DEVIN J H	AUTOMOBILE REPAIRING AND SERVICE STATIONS

B14 **RELIABLE SASH & DOOR** **HAZMAT** **S123544649**
Target Property **1229 W SUNSET BLVD** **N/A**
LOS ANGELES, CA 90026

Site 2 of 3 in cluster B

Actual: 424 ft.

LOS ANGELES HM:

Name:	RELIABLE SASH & DOOR
Address:	1229 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	FA0009629
Last Run Date:	11/01/2022
Status:	INACTIVE

B15 **RELIABLE SASH & DOOR** **FINDS** **1023322441**
Target Property **1229 W SUNSET BLVD** **N/A**
LOS ANGELES, CA 90026

Site 3 of 3 in cluster B

Actual: 424 ft.

FINDS:
Registry ID: 110066162930

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A16 **COMBS JAS** **EDR Hist Auto** **1009083177**
South **1181 S SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.023 mi.
122 ft. **Site 13 of 14 in cluster A**

Relative: Lower

Actual: 397 ft.

EDR Hist Auto

Year:	Name:	Type:
1942	COMBS JAS	GASOLINE AND OIL SERVICE STATIONS

A17
SE
< 1/8
0.026 mi.
137 ft.

JUDY CHU
817 WHITE KNOLL DRIVE
LOS ANGELES, CA 90012

Site 14 of 14 in cluster A

RCRA NonGen / NLR | **1024764184** / **CAC002984050**

Relative:
Lower

Actual:
410 ft.

RCRA Listings:

Date Form Received by Agency:	20181009
Handler Name:	Judy Chu
Handler Address:	817 WHITE KNOLL DRIVE
Handler City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAC002984050
Contact Name:	JUDY CHU
Contact Address:	75 HALLMARK
Contact City,State,Zip:	IRVINE, CA 92620
Contact Telephone:	213-718-0525
Contact Fax:	Not reported
Contact Email:	VIANCATARANGO@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	75 HALLMARK
Mailing City,State,Zip:	IRVINE, CA 92620
Owner Name:	Judy Chu
Owner Type:	Other
Operator Name:	Judy Chu
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

JUDY CHU (Continued) **1024764184**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JUDY CHU	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	75 HALLMARK
Owner/Operator City,State,Zip:	IRVINE, CA 92620
Owner/Operator Telephone:	213-718-0525
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JUDY CHU	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	75 HALLMARK
Owner/Operator City,State,Zip:	IRVINE, CA 92620
Owner/Operator Telephone:	213-718-0525
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181009
Handler Name: JUDY CHU	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

JUDY CHU (Continued) **1024764184**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C18 **METATRON GROUP LLC** **RCRA NonGen / NLR** **1024755563**
NNE **985 EVERETT STREET** **CAC002975388**
< 1/8 **LOS ANGELES, CA 90026**
0.026 mi.
137 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
511 ft.

RCRA Listings:

Date Form Received by Agency:	20180810
Handler Name:	Metatron Group Llc
Handler Address:	985 EVERETT STREET
Handler City,State,Zip:	LOS ANGELES, CA 90026-4408
EPA ID:	CAC002975388
Contact Name:	YEHUDA TRATTNER
Contact Address:	485 ROBERTSON BOULEVARD
Contact City,State,Zip:	BEVERLY HILLS, CA 90211-3660
Contact Telephone:	323-285-8921
Contact Fax:	Not reported
Contact Email:	STEPHANIECRUZ@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	485 ROBERTSON BOULEVARD
Mailing City,State,Zip:	BEVERLY HILLS, CA 90211-3660
Owner Name:	Yehuda Trattner
Owner Type:	Other
Operator Name:	Yehuda Trattner
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes

METATRON GROUP LLC (Continued) **1024755563**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: YEHUDA TRATTNER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	485 ROBERTSON BOULEVARD
Owner/Operator City,State,Zip:	BEVERLY HILLS, CA 90211-3660
Owner/Operator Telephone:	323-285-8921
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: YEHUDA TRATTNER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	485 ROBERTSON BOULEVARD
Owner/Operator City,State,Zip:	BEVERLY HILLS, CA 90211-3660
Owner/Operator Telephone:	323-285-8921
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

METATRON GROUP LLC (Continued) **1024755563**

Historic Generators:
Receive Date: 20180810
Handler Name: METATRON GROUP LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C19 **DAVID VIVANCO** **RCRA NonGen / NLR** **1027462019**
NE **974 EVERETT ST.** **CAC003200558**
< 1/8 **LOS ANGELES, CA 90026**
0.028 mi.
146 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
491 ft.

RCRA Listings:
Date Form Received by Agency: 20221020
Handler Name: David Vivanco
Handler Address: 974 EVERETT ST.
Handler City,State,Zip: LOS ANGELES, CA 90026
EPA ID: CAC003200558
Contact Name: DAVID VIVANCO
Contact Address: 974 EVERETT ST.
Contact City,State,Zip: LOS ANGELES, CA 90026
Contact Telephone: 323-855-5573
Contact Fax: Not reported
Contact Email: CIRIA911@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 974 EVERETT ST.
Mailing City,State,Zip: LOS ANGELES, CA 90026
Owner Name: David Vivanco

DAVID VIVANCO (Continued) **1027462019**

Owner Type:	Other
Operator Name:	David Vivanco
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20221020
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DAVID VIVANCO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	974 EVERETT ST.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	323-855-5573
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

DAVID VIVANCO (Continued) **1027462019**

Owner/Operator Indicator: Owner
Owner/Operator Name: DAVID VIVANCO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 974 EVERETT ST.
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 323-855-5573
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20221020
Handler Name: DAVID VIVANCO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D20 **UST** **U004299414**
North **1261 SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.032 mi.
168 ft. **Site 1 of 6 in cluster D**

Relative:
Higher

Actual:
439 ft.

LOS ANGELES UST:
Name: Not reported
Address: 1261 SUNSET BLVD
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

D21 **TAYLOR HENRY** **EDR Hist Auto** **1009080087**
North **1261 S SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.032 mi.
168 ft. **Site 2 of 6 in cluster D**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
439 ft. 1933 PIXLEY R A GASOLINE AND OIL SERVICE STATIONS
1942 TAYLOR HENRY GASOLINE AND OIL SERVICE STATIONS

C22 **KATIE DEMPSTER** **RCRA NonGen / NLR** **1026163768**
NE **978 1/2 EVERETT ST** **CAC003063767**
< 1/8 **LOS ANGELES, CA 90026**
0.033 mi.
176 ft. **Site 3 of 4 in cluster C**

Relative: RCRA Listings:
Higher

Actual:
500 ft.

Date Form Received by Agency:	20200420
Handler Name:	Katie Dempster
Handler Address:	978 1/2 EVERETT ST
Handler City,State,Zip:	LOS ANGELES, CA 90026-6783
EPA ID:	CAC003063767
Contact Name:	KATIE DEMPSTER
Contact Address:	978 1/2 EVERETT ST
Contact City,State,Zip:	LOS ANGELES, CA 90026-6783
Contact Telephone:	323-363-2602
Contact Fax:	Not reported
Contact Email:	KDCJJC@EARTHLINK.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	978 1/2 EVERETT ST
Mailing City,State,Zip:	LOS ANGELES, CA 90026-6783
Owner Name:	Katie Dempster
Owner Type:	Other
Operator Name:	Katie Dempster
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---

KATIE DEMPSTER (Continued) **1026163768**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200424
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: KATIE DEMPSTER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	978 1/2 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026-6783
Owner/Operator Telephone:	323-363-2602
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: KATIE DEMPSTER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	978 1/2 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026-6783
Owner/Operator Telephone:	323-363-2602
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200420
Handler Name: KATIE DEMPSTER	

KATIE DEMPSTER (Continued) **1026163768**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C23 **KATIE DEMPSTER** **RCRA NonGen / NLR** **1026163907**
NE **978 1/2 EVERETT ST** **CAC003063914**
< 1/8 **LOS ANGELES, CA 90026**
0.033 mi.
176 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
500 ft.

RCRA Listings:

Date Form Received by Agency:	20200421
Handler Name:	Katie Dempster
Handler Address:	978 1/2 EVERETT ST
Handler City,State,Zip:	LOS ANGELES, CA 90026-6783
EPA ID:	CAC003063914
Contact Name:	KATIE DEMPSTER
Contact Address:	978 EVERETT ST
Contact City,State,Zip:	LOS ANGELES, CA 90026-6783
Contact Telephone:	323-363-2602
Contact Fax:	Not reported
Contact Email:	KDCJJC@EARTHLINK.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	978 EVERETT ST
Mailing City,State,Zip:	LOS ANGELES, CA 90026-4492
Owner Name:	Katie Dempster
Owner Type:	Other
Operator Name:	Katie Dempster
Operator Type:	Other

KATIE DEMPSTER (Continued) **1026163907**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200424
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: KATIE DEMPSTER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	978 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026-4492
Owner/Operator Telephone:	323-363-2602
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: KATIE DEMPSTER	

KATIE DEMPSTER (Continued) **1026163907**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	978 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026-6783
Owner/Operator Telephone:	323-363-2602
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200421
Handler Name: KATIE DEMPSTER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

E24 **SACKMAN G D** **EDR Hist Auto** **1009080399**
South **1167 S SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.038 mi.
201 ft. **Site 1 of 8 in cluster E**

Relative: EDR Hist Auto
Lower

Actual:
396 ft.

Year:	Name:	Type:
1933	SCHMITT J F	GASOLINE AND OIL SERVICE STATIONS
1937	STONEBARGER C A	GASOLINE AND OIL SERVICE STATIONS
1942	SACKMAN G D	GASOLINE AND OIL SERVICE STATIONS

E25 **SENGS AUTO REPAIR INC** **EDR Hist Auto** **1020127376**
South **1165 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.040 mi.
213 ft. **Site 2 of 8 in cluster E**

Relative: EDR Hist Auto
Lower

Actual:
396 ft.

Year:	Name:	Type:
1969	ACUNA FRANK S	Gasoline Service Stations
1970	ACUNA FRANK S	Gasoline Service Stations
1971	ACUNA FRANK S	Gasoline Service Stations
1972	ACUNA FRANK S	Gasoline Service Stations
1973	ACUNA FRANK S	Gasoline Service Stations
1974	ACUNA FRANK S	Gasoline Service Stations
1975	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1976	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1977	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1978	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1979	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1980	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1982	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1983	FRANKS AUTOMOTIVE	General Automotive Repair Shops
1985	CHEAS AUTOMOTIVE	General Automotive Repair Shops
1986	CHEAS AUTOMOTIVE	General Automotive Repair Shops
1987	CHEAS AUTOMOTIVE	General Automotive Repair Shops
1988	CHEAS AUTOMOTIVE	General Automotive Repair Shops
1989	SENGS AUTO REPAIR	General Automotive Repair Shops
1989	PAILINS AUTOMOTIVE	General Automotive Repair Shops
1990	PAILINS AUTOMOTIVE	General Automotive Repair Shops
1991	SENGS AUTO REPAIR	General Automotive Repair Shops
1991	PAILINS AUTOMOTIVE	General Automotive Repair Shops
1992	SENGS AUTO REPAIR	General Automotive Repair Shops
1992	PAILINS AUTOMOTIVE	General Automotive Repair Shops
1993	PAILINS AUTOMOTIVE	General Automotive Repair Shops
1993	SENGS AUTO REPAIR	General Automotive Repair Shops
1994	SENGS AUTO REPAIR	General Automotive Repair Shops
1995	SENGS AUTO REPAIR	General Automotive Repair Shops
1996	SENGS AUTO REPAIR INC	General Automotive Repair Shops
1997	SENGS AUTO REPAIR INC	General Automotive Repair Shops
1998	SENGS AUTO REPAIR INC	General Automotive Repair Shops
1999	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2000	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2001	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2002	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2003	SENG S AUTO REPAIR INC	General Automotive Repair Shops
2004	SENG S AUTO REPAIR INC	General Automotive Repair Shops
2005	SENG S AUTO REPAIR INC	General Automotive Repair Shops
2006	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2007	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2008	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2009	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2010	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2011	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2012	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2013	SENGS AUTO REPAIR INC	General Automotive Repair Shops
2014	SENGS AUTO REPAIR INC	General Automotive Repair Shops

E26
South
< 1/8
0.040 mi.
213 ft.

SENG AUTO
1165 W SUNSET BLVD
LOS ANGELES, CA 90012

Site 3 of 8 in cluster E

SWEEPS UST
CA FID UST
HAZMAT
CERS

S101583166
N/A

Relative:
Lower

Actual:
396 ft.

SWEEPS UST:

Name:	SENG AUTO
Address:	1165 W SUNSET BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7523
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19002908
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1165 W SUNSET BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900120000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

LOS ANGELES HM:

Name:	SENG'S AUTO REPAIR
Address:	1165 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0001329
Last Run Date:	11/01/2022
Status:	ACTIVE

CERS:

Name:	SENG'S AUTO REPAIR
Address:	1165 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012

SENG AUTO (Continued) **S101583166**

Site ID: 66594
CERS ID: 10240234
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 05-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 07-22-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/22/2015. OBSERVATION: MISSING HAZARDOUS WASTE LABEL ON WASTE OIL TOTE AT EXTERIOR AREA. MISSING EMPTY LABLE ON EMPTY DRUM AT SERVICE AREA. Corrected on-site. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 05-05-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 07-22-2015

SENG AUTO (Continued) **S101583166**

Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 09/24/2015. OBSERVATION: This facility s EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately contact DTSC and reactivate your EPA ID number and submit evidence to the cupa.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	08-16-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 04/26/2022.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR

SENG AUTO (Continued) **S101583166**

Violation Date:	04-28-2022
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	The Emergency Response Plan is missing required elements. Please review the plan and complete the following missing and/or incorrect sections: C4,C5-HOSPITAL NAME AND PHONE NUMBER, C13- EMERGENCY CONTACT PHONE NUMBER, E3 INDICATE EVACUATION AREA You can download the most current CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	04-28-2022
Citation:	HSC 6.95 25508(a)(3 - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3
Violation Description:	Failure to report program data electronically.
Violation Notes:	Complete the Business Owner Operator Identification and Business Activities pages within CERS. In the Business activities page answer YES or NO to the 12 questions within that section. If your facility generates Hazardous Waste include your EPA ID in the Business Activities page.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date

SENG AUTO (Continued) **S101583166**

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 05-05-2016
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 04-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/26/2022. NOT ACCEPTED. Please review Emergency Response/Contingency Plan and ensure the phone numbers for the local CUPA (213) 978-3860, Regional Water Quality Control Board (213) 576-6600, and nearest hospital facility are listed. These are required items and can be found in Sections C3 through C6 of the Emergency Response/Contingency Plan. You can download the most current CONTINGENCY PLAN form as well as CONTINGENCY PLAN INSTRUCTIONS in the Hazardous Materials Business Plan Section (HMBP) using the following link https://www.lafd.org/fire-prevention/cupa/documents-forms
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 08-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 04/26/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 05-05-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

SENG AUTO (Continued) **S101583166**

6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 04-28-2022
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: A review of your inventory has determined that you still have the previous federal categories selected and/or have NOT selected any of the NEW federal hazard categories for your chemical inventory. Please review your hazardous material inventory and correct federal hazard categories for the following materials: WASTE OIL You may refer to Section 2 of a current Safety Data Sheets (SDS) (previously called an MSDS) to determine which of the new federal hazard categories apply.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 05-05-2016
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 07-22-2015
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 07/22/2015. OBSERVATION: OPENED WASTE OIL TOTE AT EXTERIOR AREA. All hazardous waste containers shall be closed at all times except when adding or removing waste. CORRECTIVE ACTION: Immediately close these containers and ensure all hazardous waste containers are closed when not adding or removing waste.
Violation Division: Los Angeles County Fire Department

SENG AUTO (Continued) **S101583166**

Violation Program:	HW
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	05-05-2016
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	66594
Site Name:	SENG'S AUTO REPAIR
Violation Date:	04-28-2022
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the

SENG AUTO (Continued) **S101583166**

business plan is complete and accurate on or before the annual due date.

Violation Notes: Electronically submit and certify in CERS that the Hazardous Materials Business Plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Submittals are due annually between January 1st and March 1st. CERS LAST SUBMITTED 2-26-21. PLEASE SUBMIT FOR 2022
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 08-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/26/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 08-16-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/26/2022.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 04-16-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/26/2022. "NOT ACCEPTED: Effective December 28, 2017, CalEPA has replaced the previously existing five federal hazard categories in CERS with twenty-four new federal hazard categories. The following federal hazard categories are now obsolete fire, reactive, pressure release, acute health, chronic health. A review of your submittal has determined that you still have the previous federal categories selected and/or have NOT selected any of the NEW federal hazard categories for your chemical inventory. Please review your hazardous material inventory and complete the following steps: 1) Deselect all of the five obsolete federal hazard categories for all chemical inventory listed under your facility. 2) Update your

SENG AUTO (Continued) **S101583166**

hazardous material inventory and select all applicable federal hazard categories from the 24 newly listed categories for all chemical inventory stored at your facility. You may refer to Section 2 of a current Safety Data Sheets (SDS) (previously called an MSDS) to determine [Truncated]

Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 66594
Site Name: SENG'S AUTO REPAIR
Violation Date: 05-05-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent given by Jose del Rio, Shift Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-16-2019
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Second Notice of Violation Inspection Report Documents uploaded to CERS were reviewed. Indicated previously in this report are violations, originally issued on 4/16/19 , that have not been resolved by the original COMPLY BY date. These violations have been re-issued and the violation class upgraded. Review and correct all violations indicated in this report, on or before the new COMPLY BY date associated with each violation. Failure to resolve these violations will result in this facility being subject to formal enforcement.
NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater 100 [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

SENG AUTO (Continued) **S101583166**

Eval General Type: Other/Unknown
Eval Date: 09-24-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Seng Ngo, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: SENG NGO The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into CERS [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ALAN SENG, OWNER
Eval Division: Los Angeles County Fire Department
Eval Program: HW

SENG AUTO (Continued) **S101583166**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: "Consent to enter, inspect and take photographs was given by: SENG NGO The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. As a reminder, you must complete all [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by (SENG NGO). SENGSAUTOREPAIR@GMAIL.COM Observed the facility and inspected hazardous materials storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the onsite hazardous materials inventory or submitted a business emergency plan in California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 66594
Facility Name: SENG'S AUTO REPAIR
Env Int Type Code: HMBP
Program ID: 10240234
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.067000
Longitude: -118.249740

SENG AUTO (Continued) **S101583166**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,

Affiliation Type Desc:	Environmental Contact
Entity Name:	seng ngo
Entity Title:	Not reported
Affiliation Address:	1165 west sunset blvd
Affiliation City:	los angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1165 W SUNSET BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	SENG'S AUTO REPAIR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	seng ngo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	seng ngo
Entity Title:	Not reported
Affiliation Address:	1165 west sunset blvd
Affiliation City:	los angeles
Affiliation State:	CA

SENG AUTO (Continued) **S101583166**

Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 250-4254,
Affiliation Type Desc:	Identification Signer
Entity Name:	seng ngo
Entity Title:	owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	seng ngo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 250-4254,
Affiliation Type Desc:	Property Owner
Entity Name:	seng ngo
Entity Title:	Not reported
Affiliation Address:	449 solano ave
Affiliation City:	los angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90012
Affiliation Phone:	(213) 706-8400,

E27 **KATHLEEN ROSS PROPERTY** **LUST** **S101297272**
South **1165 SUNSET BLVD W** **Cortese** **N/A**
< 1/8 **LOS ANGELES, CA 90012** **HIST CORTESE**
0.040 mi. **CERS**
213 ft. **Site 4 of 8 in cluster E**

Relative: **Lower**
Actual: **396 ft.**

LUST:

Name:	SENGS AUTO REPAIR
Address:	1165 SUNSET BLVD W
City,State,Zip:	LOS ANGELES, CA 90012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700524
Global Id:	T0603700524
Latitude:	34.0668473
Longitude:	-118.2496764
Status:	Completed - Case Closed
Status Date:	06/25/1998
Case Worker:	AT
RB Case Number:	900120289
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported

KATHLEEN ROSS PROPERTY (Continued) **S101297272**

Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	04/30/1990
Leak Reported Date:	04/30/1990
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	06/25/1998
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	86-90%
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603700524
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

Global Id:	T0603700524
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

LUST:

Global Id:	T0603700524
Action Type:	ENFORCEMENT
Date:	06/25/1998
Action:	Closure/No Further Action Letter

Global Id:	T0603700524
Action Type:	Other
Date:	04/30/1990
Action:	Leak Reported

LUST:

Global Id:	T0603700524

KATHLEEN ROSS PROPERTY (Continued) **S101297272**

Status: Open - Case Begin Date
Status Date: 04/30/1990

Global Id: T0603700524
Status: Open - Site Assessment
Status Date: 08/30/1990

Global Id: T0603700524
Status: Completed - Case Closed
Status Date: 06/25/1998

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120289
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700524
W Global ID: W0605100649
Staff: AT
Local Agency: 19050
Cross Street: BELLEVUE AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 4/30/1990
Date Leak Record Entered: 12/13/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/30/1998
Date the Case was Closed: 6/25/1998
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: OLD CASE #121490-02
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3205.691324933449853695979 9243
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 8/30/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported

KATHLEEN ROSS PROPERTY (Continued) **S101297272**

Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	17815 SUNBURST AVE, NORTHRIDGE, CA 91325
Program:	LUST
Lat/Long:	34.0668473 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600649-001GEN
Summary:	04/30/98 - REQUESTING A WP FOR SUBSURFACE INVESTIGAITON

CORTESE:

Name:	SENGS AUTO REPAIR
Address:	1165 SUNSET BLVD W
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700524
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	KATHLEEN ROSS PROPERTY
edr_fadd1:	1165 SUNSET
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900120289

CERS:

Name:	SENGS AUTO REPAIR
Address:	1165 SUNSET BLVD W
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	199397
CERS ID:	T0603700524

KATHLEEN ROSS PROPERTY (Continued) **S101297272**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TBD - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 N. MAIN ST. RM. 970
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2134826528,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766708,

D28 **TAYLOR HAMAIG** **EDR Hist Auto** **1009081138**
North **1275 S SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.051 mi.
267 ft. **Site 3 of 6 in cluster D**

Relative: EDR Hist Auto
Higher

Actual:
439 ft.

Year:	Name:	Type:
1933	TAYLOR HAMAIG	GASOLINE AND OIL SERVICE STATIONS

E29 **THE ELYSIAN** **CERS TANKS** **S123534406**
SE **1115 W SUNSET BLVD** **CERS** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.056 mi.
297 ft. **Site 5 of 8 in cluster E**

Relative: CERS TANKS:
Higher
Name: THE ELYSIAN
Address: 1115 W SUNSET BLVD
Actual: City,State,Zip: LOS ANGELES, CA 90012
424 ft. Site ID: 74945
CERS ID: 10499986
CERS Description: Underground Storage Tank

CERS:
Name: THE ELYSIAN
Address: 1115 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 74945
CERS ID: 10499986
CERS Description: Chemical Storage Facilities

THE ELYSIAN (Continued) **S123534406**

Violations:

Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-20-2019
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit a current UST Response Plan available on site.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator did not submit a current UST response plan. Response plan is submitted on the old State form. CORRECTIVE ACTION: Submit a current UST response plan to CERS.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-11-2022
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 05/13/2022. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring under LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUTDOWN for T1 it states "YES". CORRECTIVE ACTION: In Pipe Monitoring under LEAK ALARM TRIGGERS AUTOMATIC PUMP SHUTDOWN for T1 it should BE LEFT BLANK. Facility has a suction system. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Pipe Monitoring under FAILURE/DISCONNECT TRIGGERS PUMP SHUTDOWN for T1 it states "YES". CORRECTIVE ACTION: In Pipe Monitoring under FAILURE/DISCONNECT TRIGGERS PUMP SHUTDOWN for T1 it should BE LEFT BLANK. Facility has a suction system. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Record Keeping under TANK INTEGRITY TESTING RESULTS for T1 it states "YES". CORRECTIVE ACTION: In Record Keeping under TANK INTEGRITY TESTING RESULTS for T1 it should state NO . NO results were found on site. Please provide these results to the local CUPA and if [Truncated]
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,

Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95,

THE ELYSIAN (Continued) **S123534406**

	Section(s) 25505.1
Violation Description:	Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	02-27-2017
Citation:	23 CCR 16 2715(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(a)
Violation Description:	Failure to notify the CUPA of the designated operator (DO) identification and/or change of the DO within 30 days.
Violation Notes:	Returned to compliance on 06/01/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	07-05-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 08/19/2019. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Insurance policy submitted expired 3/15/2019. Facility also did not submit the State form of Certificate of Financial responsibility. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 8/4/2019. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	07-05-2019
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 08/19/2019. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under SECONDARY CONTAINMENT SYSTEM for T1 it states "LIQUID-FILLED". CORRECTIVE ACTION: Under SECONDARY CONTAINMENT SYSTEM for T1it should state "DRY ". **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian

THE ELYSIAN (Continued) **S123534406**

Violation Date:	07-05-2019
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 08/19/2019. OBSERVATION: Facility does not have an approved operating permit application. In Tank Construction under SECONDARY CONTAINMENT for T1 it states "STEEL". CORRECTIVE ACTION: In Tank Construction under SECONDARY CONTAINMENT for T1 it should state "FIBERGLASS". OBSERVATION: Facility does not have an approved operating permit application. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for T1 it states "STEEL". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for T1 it should state "FIBERGLASS . OBSERVATION: Facility does not have an approved operating permit application. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under RISER SECONDARY CONTAINMENT for T1 it states "NONE". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under RISER SECONDARY CONTAINMENT for T1 it should state [Truncated]
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	02-27-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 06/01/2018. OBSERVATION: Owner/Operator did not submit and/or maintain an accurate UST Operating Permit Application for Facility information and/or Tank information. CORRECTIVE ACTION: Submit and maintain an accurate UST Operating Permit Application for Facility information and/or Tank information.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-12-2020

THE ELYSIAN (Continued) **S123534406**

Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Response Plan.
Violation Notes:	Returned to compliance on 07/24/2020. OBSERVATION: Facility does not have an approved Response Plan. Old State form Response plan uploaded. CORRECTIVE ACTION: Maintain an approved Response Plan with new State form that is provided in Inspector's email.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-10-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/30/2021. OBSERVATION: The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. Add: Propane and proper quantity Update: Diesel quantity to 550 gals Update average daily amount Update all Federal Hazard categories
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-12-2020
Citation:	23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description:	Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes:	Returned to compliance on 05/12/2020. OBSERVATION: Owner/Operator failed to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). CORRECTED ON SITE: Training was completed by DO Ron Franklin on site during the monitoring system certification.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-11-2022
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/13/2022. OBSERVATION: UST tank

THE ELYSIAN (Continued) **S123534406**

information is not current in CERS. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for T1 it states "FIBERGLASS". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for T1 it should state "STEEL . OBSERVATION: UST tank information is not current in CERS. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT SECONDARY CONTAINMENT for T1 it states "NONE". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT SECONDARY CONTAINMENT for T1 it should state "FIBERGLASS .

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". CORRECTIVE ACTION: Maintain list of employees trained by the DO and copies of "Facility Employee Training Certificate" for training that occurs on or after 10/1/18.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-04-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/15/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 07-05-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Returned to compliance on 08/19/2019. OBSERVATION: Facility does not have an approved Response Plan. Old State form Response plan uploaded. CORRECTIVE ACTION: Maintain an approved Response Plan with new State

THE ELYSIAN (Continued) **S123534406**

	form. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-10-2021
Citation:	23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description:	Failure to have an approved UST Monitoring Plan.
Violation Notes:	Returned to compliance on 06/16/2021. OBSERVATION: Facility does not have an approved Monitoring Plan. CORRECTIVE ACTION: Maintain an Approved Monitoring Plan. Update second person's with responsibility to new Manager "KRISTINA CHAMBERS".
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	02-27-2017
Citation:	23 CCR 16 2632(d)(1)(C), 2641(h), 2711(a)(8) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(d)(1)(C), 2641(h), 2711(a)(8)
Violation Description:	Failure to submit or update a plot plan.
Violation Notes:	Returned to compliance on 06/01/2018. OBSERVATION: Owner/Operator did not submit, obtain approval, and maintain a complete/accurate plot plan. CORRECTIVE ACTION: Submit, obtain approval, and maintain a complete/accurate plot plan.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-20-2019
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Insurance policy submitted expired 3/15/2019. Facility also did not submit the State form of Certificate of Financial responsibility. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 6/19/2019.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-11-2018
Citation:	23 CCR 16 2715(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(e)

THE ELYSIAN (Continued) **S123534406**

Violation Description: Failure to maintain a copy of the designated operator monthly inspections for the last 12 months on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 06/01/2018. Observation: The 05-2017 TO 05-2018 designated operator monthly inspection report(s) were not found onsite. Designated operator monthly inspection reports for the previous twelve months shall be retained onsite. CORRECTIVE ACTION: Locate and ensure that copies of the previous twelve months of designated operator monthly inspection reports are maintained onsite. Submit copies to the Inspector by 06-10-2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-10-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2021. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: Complete, implement and submit an Emergency Response Plan in CERS with all the required elements. The CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form can be used to satisfy both the Emergency Response Plan as well as the Employee Training Plan requirements. You can download the most current CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 07-05-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes: Returned to compliance on 08/19/2019. OBSERVATION: Facility did not

THE ELYSIAN (Continued) **S123534406**

comply with one or more of the following DO monthly inspection requirements: DO reports from 10/2018-4/2019 missing tank owner/operator signature in Section VI within 48 hours of the Designated Operator inspection. CORRECTIVE ACTION: Tank owner/operator must review Section III and if there are issues noted in Section III write down the actions to responding to compliance issues in Section III. Owner/operator must sign every Designated Operator inspection report in Section VI whether there is anything noted in Section III or not. **********SECOND NOTICE**********

Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-10-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 08/27/2021. OBSERVATION: Current approved copies of the monitoring plan was not found onsite. CORRECTIVE ACTION: Maintain a copy of the current and approved monitoring plan on-site. if the plan is not current update the plan in CERS and submit for review by the CUPA. Upon acceptable review maintain a copy of the approved monitoring plan on-site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-12-2020
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 05/12/2020. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. 2019 monitor certification testing, spill bucket, and overfill prevention testing results were not in the binder on site. CORRECTED ON SITE: Missing test results were printed and placed in binder on site. Facility is required to keep the last 36 months of monitoring system certification testing results on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-12-2020
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded

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to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 05/12/2020.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 02-27-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 06/01/2018. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by [date, 30 days from now].
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Facility does not have an approved operating permit application. In Tank Construction under SECONDARY CONTAINMENT for T1 it states "STEEL". CORRECTIVE ACTION: In Tank Construction under SECONDARY CONTAINMENT for T1 it should state "FIBERGLASS". OBSERVATION: Facility does not have an approved operating permit application. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for T1 it states "STEEL". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT PRIMARY CONTAINMENT for T1 it should state "FIBERGLASS . OBSERVATION: Facility does not have an approved operating permit application. In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT SECONDARY CONTAINMENT for T1 it states "NONE". CORRECTIVE ACTION: In Vent, Vapor Recovery (VR) and Riser / Fill Pipe Piping Construction under VENT SECONDARY CONTAINMENT for T1 it should state [Truncated]
Violation Division: Los Angeles City Fire Department
Violation Program: UST

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Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 02-27-2017
Citation: HSC 6.7 25284(a)(3)(A) & (B); - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A) & (B);
Violation Description: Failure to implement or maintain a written agreement between the UST permit holder and the operator (owner/operator agreement).
Violation Notes: Returned to compliance on 06/01/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-10-2021
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to retain a copy of the permit to operate at the facility.
Violation Notes: Returned to compliance on 08/27/2021. OBSERVATION: Owner/Operator did not retain a paper or electronic copy of the permit to operate at the facility. CORRECTIVE ACTION: Retain a paper or electronic copy of the permit to operate at the facility.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Monitoring Plan.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator did not maintain a current monitoring plan. In Tank Monitoring under SECONDARY CONTAINMENT SYSTEM for T1 it states "LIQUID-FILLED". CORRECTIVE ACTION: Under SECONDARY CONTAINMENT SYSTEM for T1it should state "DRY ".
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-10-2021
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service

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visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.

Violation Notes: Returned to compliance on 05/10/2021. OBSERVATION: The designated operator failed to check and note the correct test dates for the Overfill on 2/21 & 5/21 DO report and secondary containment on 5/21-2/21 designated operator monthly inspection report(s). During the monthly inspection, the designated operator shall check that all required testing and maintenance for the UST system have been completed and document the dates they were done. CORRECTED ON SITE: DO made proper corrections to anniversary dates for overfill and secondary containment testing dates on site during annual monitoring system certification testing.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: 23 CCR 16 2641(h) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(h)
Violation Description: Failure to have an approved UST Response Plan.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Facility does not have an approved Response Plan. Old State form Response plan uploaded. CORRECTIVE ACTION: Maintain an approved Response Plan with new State form
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-04-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 05/15/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-04-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 05/15/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP

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Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator failed to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). CORRECTIVE ACTION: Ensure that at least one employee is present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). Training was due by the 4/23/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-11-2018
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the UPA including but not limited to unpaid permit fees.
Violation Notes: Returned to compliance on 06/01/2018. HAZMAT UNIFIED PROGRAM FACILITY PERMIT EXPIRED. NO PERMIT WILL BE ISSUED TO FACILITIES WITH OUTSTANDING VIOLATIONS (CERS). CORRECTIVE ACTION: OBTAIN A UNIFIED PROGRAM FACILITY PERMIT FOR HAZMAT AND POST IN A CONSPICUOUS PLACE ON THE PREMISES AS PER LAMC 57.120.5.3.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-12-2020
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes: Returned to compliance on 05/12/2020. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". CORRECTED ON SITE: DO Ron Franklin created a list of employees trained by the DO and copies of "Facility Employee Training Certificate" during the monitoring system certification.
Violation Division: Los Angeles City Fire Department
Violation Program: UST

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Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 07-05-2019
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to submit a current UST Response Plan available on site.
Violation Notes: Returned to compliance on 08/19/2019. OBSERVATION: Owner/Operator did not submit a current UST response plan. Response plan is submitted on the old State form. CORRECTIVE ACTION: Submit a current UST response plan to CERS. **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-12-2020
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/24/2020. OBSERVATION: Financial responsibility documents have not been submitted to the CUPA. Current financial responsibility documents are required to be submitted annually. Insurance policy submitted expired 3/15/2020. Facility also did not submit the State form of Certificate of Financial responsibility. CORRECTIVE ACTION: Complete and submit a copy of the financial responsibility by 6/10/2020. An example of the form was provided in the Inspector's email.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-11-2022
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 05/12/2022. OBSERVATION: Current approved copies of the monitoring plan was not found on-site. Facility's CERS submittal needs some updating. CORRECTIVE ACTION: Maintain a copy of the most current and approved monitoring plan on-site. Update the monitoring plan and once accepted maintain a copy of the approved monitoring plan on-site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: 23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description: For designated operator (DO) monthly inspections conducted before

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	October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 07/05/2019. OBSERVATION: Facility did not comply with one or more of the following DO monthly inspection requirements: DO reports from 10/2018-4/2019 missing tank owner/operator signature in Section VI within 48 hours of the Designated Operator inspection. CORRECTIVE ACTION: Tank owner/operator must review Section III and if there are issues noted in Section III write down the actions to responding to compliance issues in Section III. Owner/operator must sign every Designated Operator inspection report in Section VI whether there is anything noted in Section III or not.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

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Site ID: 74945
Site Name: The Elysian
Violation Date: 05-04-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/15/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-11-2018
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records of monitoring, testing, repairing, and closure in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 06/01/2018. OBSERVATION: Owner/Operator did not maintain records of past Monitor Cert testing results. CORRECTIVE ACTION: Maintain records of Monitor Cert testing onsite. Submit copies to the Inspector by 06-10-2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-20-2019
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA to determine whether the UST systems are in compliance.
Violation Notes: Returned to compliance on 07/05/2019. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Facility was given a notice of violation last monitor certification testing on 5/11/2018. Manager on site Irina Valkov emailed copy of the missing 2017 and 2016 monitor certification results and stated would place in the binder on site. Those results were not present during 2019 monitor certification testing. CORRECTIVE ACTION: Obtain the 2017 and 2016 monitor certification testing results and place in binder on site. Facility is required to keep the last 36 months of monitoring system certification testing results on site.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 07-05-2019
Citation: HSC 6.7 25293 - California Health and Safety Code, Chapter 6.7, Section(s) 25293
Violation Description: Failure to maintain UST records in sufficient detail to enable the UPA

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	to determine whether the UST systems are in compliance.
Violation Notes:	Returned to compliance on 08/19/2019. OBSERVATION: Owner/Operator did not maintain UST records in sufficient detail to enable the UPA to determine if UST systems are in compliance. Facility was given a notice of violation last monitor certification testing on 5/11/2018. Manager on site Irina Valkov emailed copy of the missing 2017 and 2016 monitor certification results and stated would place in the binder on site. Those results were not present during 2019 monitor certification testing. CORRECTIVE ACTION: Obtain the 2017 and 2016 monitor certification testing results and place in binder on site. Facility is required to keep the last 36 months of monitoring system certification testing results on site. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	07-05-2019
Citation:	23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description:	Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 08/19/2019. OBSERVATION: Owner/Operator did not maintain a list of employees trained by the DO, or for training that occurs on or after 10/1/18, failure to maintain a copy of the "Facility Employee Training Certificate". CORRECTIVE ACTION: Maintain list of employees trained by the DO and copies of "Facility Employee Training Certificate" for training that occurs on or after 10/1/18. **********SECOND NOTICE**********
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	02-27-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

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Violation Description: Failure to have a UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 06/01/2018. OBSERVATION: Owner/Operator did not maintain an approved monitoring plan. CORRECTIVE ACTION: Maintain an approved monitoring plan. Submit monitoring plan for approval.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 02-27-2017
Citation: 23 CCR 16 2637(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637(e)
Violation Description: Failure to submit a copy of the secondary containment test results to the CUPA within 30 days after the test.
Violation Notes: Returned to compliance on 06/01/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-04-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 05/15/2018.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 07-05-2019
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to have at least one facility employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO).
Violation Notes: Returned to compliance on 08/19/2019. OBSERVATION: Owner/Operator failed to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). CORRECTIVE ACTION: Ensure that at least one employee is present during operating hours that has been trained in the proper operation and maintenance of the UST system by a designated operator (DO). Training was due by the 4/23/2019. **********SECOND NOTICE**********
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 02-27-2017
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)

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Violation Description:	Failure to have a UST Response Plan available on site.
Violation Notes:	Returned to compliance on 06/01/2018. OBSERVATION: Owner/Operator did not submit and/or maintain an approved response plan. CORRECTIVE ACTION: Submit and maintain an approved response plan.
Violation Division:	Los Angeles City Fire Department
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-10-2021
Citation:	Un-Specified
Violation Description:	Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes:	Returned to compliance on 10/19/2021. OBSERVATION: Each permit issued pursuant to the provisions of this section shall be posted in a conspicuous place on the premises for which the same is issued.(LAMC 57.120.5.3). To request a duplicate copy or to resolve additional issues regarding your permit you can contact the LAFD CUPA Data Management Unit at (213) 978-3680 or email them at lafdcupa@lacity.org. LAMC 57.120.3
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-10-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/19/2021. OBSERVATION: The business failed to electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. CORRECTIVE ACTION: Electronically submit a site map with all required content.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945
Site Name:	The Elysian
Violation Date:	05-04-2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/15/2018.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	74945

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Site Name: The Elysian
Violation Date: 05-10-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 10/19/2021. OBSERVATION: The business failed to establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. CORRECTIVE ACTION: Complete, implement and submit an Employee Training Plan in CERS. The CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN form can be used to satisfy both the Emergency Response Plan as well as the Employee Training Plan requirements. You can download the most current EMERGENCY RESPONSE / CONTINGENCY PLAN form at https://www.lafd.org/fire-prevention/cupa/hazardous-materials.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 74945
Site Name: The Elysian
Violation Date: 05-12-2020
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 07/24/2020. OBSERVATION: UST tank information is not current in CERS. In Product/waste piping construction under PRIMARY CONTAINMENT for T1 it states "FIBERGLASS". CORRECTIVE ACTION: In Product/waste piping construction under PRIMARY CONTAINMENT for T1 it should state "STEEL".
Violation Division: Los Angeles City Fire Department
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: VERIFIED NO SUBMITTAL OF HMBP INTO CERS OR PORTAL. ADVISED KEN WIPFF, CONSTRUCTION MANAGER LINEAR CITY DEVELOPEMENT, OF REQUIREMENT TO SUBMIT HMBP ELECTRONICALLY FORTHWITH. EMAILED MR WIPFF COPY OF NOV AND ADVISED HIM OF HOW TO ACCESS CERS ONLINE.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 5/10/2021 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter,

THE ELYSIAN (Continued) **S123534406**

inspect and take photographs was given on this date by Manager Kristina Chambers. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin with George Bryant Construction INC, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ronald Franklin ICC: ICC: 5243708 Exp: 6/29/2022 VR: #B36408 Exp: 11/7/2021 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill bucket WAS also visually inspected. The Monitoring Plan WAS compared to the [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-24-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility on 1115 W Sunset Bl. Inspector Young reviewed the facility's latest CERS UST submittal. Facility updated their monitoring plan, response plan, and certificate of financial responsibility. Inspector Young emailed DO Ron Franklin and Manager Damon to let him know of the clearing of all violations.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-27-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 5/11/2022 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-19-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 5/10/2021 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-25-2014

THE ELYSIAN (Continued) **S123534406**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ISSUED NOV 500 GAL DIESEL UST FOR GENERATOR THAT WAS UNMONITORED FOR UNKNOWN SEVERAL YEARS. ALSO UNPERMITTED DUE TO FACILITY BEING INACTIVATED. TESTING AND REPAIRS WERE DONE TO UST WITHOUT PERMIT. INSPECTION SCHEDULED FOR 04-25-14 TO VERIFY STATE OF UST AND ANY TESTING, DOCUMENTATION AND REPAIRS THAT MAY BE REQUIRED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-10-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED SECONDARY CONTAINMENT RESULTS FOR TESTING CONDUCTED ON 2/16/2021 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Disregard Hazmat inspection, inspection was done by Inspector Sanchez in 2017.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET REVIEWED AND ACCEPTED FACILITIES MOST RECENT CERS SUBMITTAL AND CONFIRMED PREVIOUS NOV MISSING CERS FROM 2017 HAS BEEN COMPLETED. NOV HAVE BEEN CLEARED ON 05-15-2018.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION RESULTS FOR TESTING CONDUCTED ON 05-11-18 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONTACTED TESTER / REQUEST REPORTS. SCANNED / DOWNLOADED AND ATTACHED IN ENVISION. FAILURES NOTED ON REPORT: FAILED V/R 208 SENSOR IN PIPING SUMP, REPLACED BY RONALD FRANKLIN.
Eval Division: Los Angeles City Fire Department
Eval Program: UST

THE ELYSIAN (Continued) **S123534406**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-01-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: icc tech Ron Franklin B36408, ust book review , cers review , Director of leasing Irina Valkov came out and gave fd consent for inspection , tech Ron spoke to her ,
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-19-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Inspector Young reviewed the facility's updated CERS submittal with the updated tank information, monitoring plan, financial responsibility, and response plan. Facility also provided a copy of the employee training and corrected DO reports. Inspector Young emailed Irina to let her know of the clearing of all violations.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-26-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Facility obtained current copy of the permit and printed a current copy of the monitoring plan to be placed on site.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 10-19-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Inspector Young reviewed the facility's latest CERS hazmat submittal. Facility made corrections to the site map and emergency response/contingency plan, but still needs to make updates on the hazmat inventory submittal. Facility was notified via an not accepted submittal to let them know that more changes were needed.

THE ELYSIAN (Continued) **S123534406**

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-27-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Monitor Certification took place on 6/14/2016, Cers violation exist and manager Irina Valkou understands about the cers forms that need to be updated . My report on 6/14/2016 does not show the cers violations but are in my comments. cers Id 10499986 . This is the official report that shows the violations
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 5/20/2018 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by tester Ron Franklin. Manager on site was not present for the test. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin WITH George Bryant Construction INC, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ronald Franklin ICC: ICC: 5243708 Exp: 5/21/2020 VR: #B36408 Exp: 12/19/2019 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-16-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Inspector Young reviewed the facility's latest CERs UST submittal. Facility updated their monitoring plan. Inspector Young cleared out all CERS violations and that the others were still open. Inspector Young emailed Kristina Chambers to let her know that the other violations were still open.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-05-2019
Violations Found: Yes

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Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl Facility has not complied with the above written violation within the 30 days. This violation has been upgraded to a CLASS II violation. Facility has 30 days to comply with the violation or this violation will be upgraded to a CLASS I which will be forwarded to my Legal unit for fine and penalty assessment. Violators can be liable for civil penalties up to $5,000 dollars per day, for each violation. HSC 25299, HSC 25270.12. Report emailed to Manager Irina Valkov at IRINA@LINEAR-CITY.COM. **********SECOND NOTICE**********
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-30-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED TEST NOTIFY ARCHIVE TO LOCATE ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 5-18-17 BY RON FRANKLIN FOR GEORGE BRYANT CONSTRUCTION INC. CONFIRMED REQUESTED RESULTS WERE RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON REPORT.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 5/20/2019 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT. REVIEWED CERS TO CONFIRM OVERFILL PROTECTION LISTED.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-30-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Inspector Young reviewed the facility's latest CERS hazmat submittal. Facility updated their hazmat list quantity for diesel and Fed haz categories. Facility was notified via an accepted submittal that all violations were cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 12-08-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency

THE ELYSIAN (Continued) **S123534406**

Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Final NOV for current monitoring plan on-site was cleared when the 5/12/2022 CERS submittal was accepted. Facility has access to CERS on-site. All NOV's were cleared.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-27-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Reviewed and attached SB989 results dated 2/8/18. No failures noted on the report.
Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: facility inspection , cers needs to be updated , consent for inspection given by Irina Valkov manager
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-10-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Kristina Chambers, Manager. The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. New user instructions are provided below. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA**** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Christopher Young on site 05/11/2018 to conduct routine inspection of underground storage tank facility. Monitoring System

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components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Manager IRINA VALKOV. Monitoring system certification was conducted at this time. Monitoring certification was performed by RONALD FRANKLIN WITH GBC INC, Monitoring System components were observed and verified on this date. Tester provided the following certifications: RONALD FRANKLIN ICC: ICC: 5243708 D.O EXP: 04-21-2020 VR: B36408 EXP: 12-19-2019 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill buckets WERE also visually inspected. The Monitoring Plan WAS compared to the equipment on site. The [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 5/11/2022 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Manager Kristina Chambers. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin with George Bryant Construction Inc, CSLB: 718466 Exp: 2/29/2024. Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ron Franklin ICC: ICC: 5243708 Exp: 6/29/2022 VR: B36408 Exp: 10/26/2023 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill bucket WAS also visually inspected. The Monitoring Plan [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: LAFD Inspector Christopher Young on site 5/12/2020 to conduct routine inspection of underground storage tank facility. Monitoring System components were observed and verified this date. Consent to enter, inspect and take photographs was given on this date by Manager Damon. Monitoring system certification was conducted at this time. Monitoring certification was performed by Ronald Franklin with George Bryant Construction INC, Monitoring System components were observed and verified on this date. Tester provided the following certifications: Ronald Franklin ICC: ICC: 5243708 Exp: 5/21/2020 VR: #B36408 Exp: 11/7/2021 The UST monitoring panel showed all functions normal. Current monitoring setup and alarm history WERE available for review. The sumps WERE available for inspection and the sensors WERE observed positioned to detect a leak at the earliest opportunity. The spill

THE ELYSIAN (Continued) **S123534406**

buckets WERE also visually inspected. The Monitoring Plan WAS compared to the equipment on [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-16-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset St NOV follow up for facility at 1115 W Sunset St. Inspector Young reviewed the facility's latest CERS UST submittal. Facility made all necessary corrections to their CERS submittal including the monitoring plan and tank information. The only NOV left open is to print out a copy of the updated monitoring plan and place on site.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-28-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED OVERFILL PREVENTION RESULTS FOR TESTING CONDUCTED ON 5/10/2021 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT. REVIEWED CERS TO CONFIRM OVERFILL PROTECTION LISTED.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-08-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED ANNUAL MONITORING SYSTEM CERTIFICATION & SPILL BUCKET RESULTS FOR TESTING CONDUCTED ON 5/12/2020 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector Bernard Sanchez , Irina Valkou gives lafd consent for inspection Monitoring system certification conducted at 6/13/2016. Monitoring certification was performed by Ron Franklin. Tester provided the following certifications: Ron Franklin 00012350, exp 5/21/2018,veeder rppt b36408, 1/4/218 The UST monitoring panel showed all functions normal. The monitoring set up and alarm history were provided for review. The sumps and UDCs were opened for inspection and

THE ELYSIAN (Continued) **S123534406**

the sensors were observed positioned to detect a leak at the earliest opportunity. The spill buckets were also visually inspected. The Monitoring Plan was compared to the equipment onsite. The operation of the UST system was compared to the conditions of the operating permit. (Optional: Add details about tanks, what was tested, what passed/failed etc.) Ensure submittal of monitor certification test results within 30 days using one of the following options in preferred order: 1. Upload results [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-16-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W Sunset Bl NOV follow up for facility at 1115 W Sunset Bl. Inspector Young reviewed the facility's latest CERs Hazmat submittal. Facility did not make all necessary changes to their hazmat submittal to what was noted in the inspection report. Inspector Young emailed Kristina Chambers to let her know of the need for the changes is still required.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-27-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: 1115 W SUNSET BL REVIEWED RECEIVED ANNUAL MONITORING SYSTEM AND SPILL BUCKETS RESULTS FOR TESTING CONDUCTED ON 5/20/2019 BY RONALD FRANKLIN WITH GEORGE BRYANT CONSTRUCTION INC. CONFIRMED RESULTS WERE REQUESTED/ RECEIVED, SCANNED/DOWNLOADED AND/OR ATTACHED IN ENVISION. NO FAILURES NOTED ON THE REPORT.

Eval Division: Los Angeles City Fire Department
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 74945
Facility Name: The Elysian
Env Int Type Code: HMBP
Program ID: 10499986
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.066170
Longitude: -118.249490

Affiliation:
Affiliation Type Desc: UST Tank Owner
Entity Name: 1111 Sunset, LLC
Entity Title: Not reported
Affiliation Address: 1855 INDUSTRIAL STREET, SUITE 106
Affiliation City: LOS ANGELES
Affiliation State: CA

THE ELYSIAN (Continued) **S123534406**

Affiliation Country:	United States
Affiliation Zip:	90021
Affiliation Phone:	(213) 250-0300,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1855 INDUSTRIAL STREET, SUITE 106
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90021
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Yuval Bar-Zemer
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Document Preparer
Entity Name:	Yuval Bar-Zemer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	State UST Fund Advisory & Services, Inc.
Entity Title:	Not reported
Affiliation Address:	22930 CALASBASH STREET
Affiliation City:	WOODLAND HILLS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91364
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	1111 Sunset, LLC
Entity Title:	Not reported

THE ELYSIAN (Continued) **S123534406**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (213) 250-0300,

Affiliation Type Desc: Parent Corporation
Entity Name: The Elysian
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: UST Property Owner Name
Entity Name: 1111 Sunset, LLC
Entity Title: Not reported
Affiliation Address: 1855 INDUSTRIAL STREET, SUITE 106
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 250-0300,

Affiliation Type Desc: UST Tank Operator
Entity Name: 1111 Sunset, LLC
Entity Title: Not reported
Affiliation Address: 1855 INDUSTRIAL STREET, SUITE 106
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90021
Affiliation Phone: (213) 250-0300,

Affiliation Type Desc: Legal Owner
Entity Name: 1111 Sunset, LLC
Entity Title: Not reported
Affiliation Address: 1115 WEST SUNSET BOULEVARD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90012
Affiliation Phone: (213) 250-0300,

Affiliation Type Desc: Property Owner
Entity Name: 1111 Sunset, LLC
Entity Title: Not reported
Affiliation Address: 1115 WEST SUNSET BOULEVARD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90012
Affiliation Phone: (213) 250-0300,

THE ELYSIAN (Continued) **S123534406**

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Yuval Bar-Zemer
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 250-0300,

E30 **THE ELYSIAN** **UST** **U004308014**
SE **1115 SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.056 mi.
297 ft. **Site 6 of 8 in cluster E**

Relative: LOS ANGELES UST:
Higher

Name:	THE ELYSIAN
Address:	1115 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0038822
Last Run Date:	11/01/2022
Status:	ACTIVE

Actual:
424 ft.

E31 **THE ELYSIAN** **UST** **U004266536**
SE **1115 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.056 mi.
297 ft. **Site 7 of 8 in cluster E**

Relative: UST:
Higher

Name:	THE ELYSIAN
Address:	1115 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0038822
Permitting Agency:	Los Angeles City Fire Department
CERSID:	10499986
Latitude:	34.0661700
Longitude:	-118.249490
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported

Actual:
424 ft.

THE ELYSIAN (Continued) **U004266536**

Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

E32 **THE ELYSIAN** **HAZMAT** **S123552517**
SE **1115 SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.056 mi.
297 ft. **Site 8 of 8 in cluster E**

Relative: **Higher**

Actual: **424 ft.**

LOS ANGELES HM:

Name:	THE ELYSIAN
Address:	1115 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0038822
Last Run Date:	11/01/2022
Status:	ACTIVE

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33 **JOSHUA KAZDAN** **RCRA NonGen / NLR** **1026045477**
NNW **770 E. KENSINGTON RD.** **CAC003051901**
< 1/8 **LOS ANGELES, CA 90026**
0.072 mi.
379 ft.

Relative: **Higher**

Actual: **479 ft.**

RCRA Listings:

Date Form Received by Agency:	20200120
Handler Name:	Joshua Kazdan
Handler Address:	770 E. KENSINGTON RD.
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC003051901
Contact Name:	JOSHUA KAZDAN
Contact Address:	770 E. KENSINGTON RD.
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	310-497-8209
Contact Fax:	Not reported
Contact Email:	KBENVIRONMENTALINC@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

JOSHUA KAZDAN (Continued) **1026045477**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	770 E. KENSINGTON RD.
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Joshua Kazdan
Owner Type:	Other
Operator Name:	Joshua Kazdan
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Owner

JOSHUA KAZDAN (Continued) **1026045477**

Owner/Operator Name: JOSHUA KAZDAN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 770 E. KENSINGTON RD.
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 310-497-8209
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOSHUA KAZDAN
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 770 E. KENSINGTON RD.
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 310-497-8209
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200120
Handler Name: JOSHUA KAZDAN
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D34 **FAR EAST AUTO SERVICES** **CERS HAZ WASTE** **S123508173**
North **1289 W SUNSET BLVD** **HAZMAT** **N/A**
< 1/8 **LOS ANGELES, CA 90026** **CERS**
0.079 mi. **HWTS**
418 ft. **Site 4 of 6 in cluster D**

Relative: Higher

Actual: 454 ft.

CERS HAZ WASTE:
Name: FAR EAST AUTO SERVICES
Address: 1289 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90026
Site ID: 29666
CERS ID: 10248781
CERS Description: Hazardous Waste Generator

LOS ANGELES HM:
Name: A & P TIRE SERVICE & AUTO SERVICE
Address: 1289 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90026
Facility ID: FA0023172
Last Run Date: 11/01/2022
Status: ACTIVE

CERS:
Name: FAR EAST AUTO SERVICES
Address: 1289 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90026
Site ID: 29666
CERS ID: 10248781
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 04-28-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 10-23-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 11/04/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

FAR EAST AUTO SERVICES (Continued) **S123508173**

Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description:	Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	11-30-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	10-23-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

FAR EAST AUTO SERVICES (Continued) **S123508173**

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 04-28-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 11-30-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 11/04/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 11-04-2021
Citation: HSC 6.95 25508(a)(3 - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3
Violation Description: Failure to report program data electronically.
Violation Notes: Review, update and resubmit the Business Owner/Operator Identification page in CERS. Please correct the following; Change in ownership needs to be reflected in CERS.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 11-30-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 11/04/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 11-30-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

FAR EAST AUTO SERVICES (Continued) **S123508173**

Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	10-23-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency

FAR EAST AUTO SERVICES (Continued) **S123508173**

	response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	11-30-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to provide a copy of the business plan to the owner or the

FAR EAST AUTO SERVICES (Continued) **S123508173**

	owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	10-23-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	10-23-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 11/04/2021.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	04-28-2016
Citation:	HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description:	Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes:	Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	29666
Site Name:	FAR EAST AUTO SERVICES
Violation Date:	05-07-2021
Citation:	HSC 6.11 25404(e)(4) - California Health and Safety Code, Chapter 6.11, Section(s) 25404(e)(4)
Violation Description:	Failure to report program data electronically.
Violation Notes:	OBSERVATION: Owner/Operator failed to report program data

FAR EAST AUTO SERVICES (Continued) **S123508173**

electronically into CERS. CORRECTIVE ACTION: Complete all required reporting into CERS.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 11-30-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 11/04/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 29666
Site Name: FAR EAST AUTO SERVICES
Violation Date: 10-23-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 11/04/2021.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: OOB
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by, Donny Vuong, Owner. Observed the facility and inspected hazardous materials storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the on-site hazardous materials inventory or submitted a business plan in on the California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. This facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the

FAR EAST AUTO SERVICES (Continued) **S123508173**

type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-04-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Silverio Bautista-Tellez The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Silverio Tellez, owner

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspection Report Consent to enter, inspect and take photographs was given by: Documents uploaded to CERS were reviewed and field verified. The following is a list items that need to be corrected: 1. PLEASE RE-SUBMIT TO CERS. SUBMITTALS ARE DUE BETWEEN JANUARY 1ST AND MARCH 1ST OF EACH YEAR. NOTE: The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires business that store, uses or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a hazardous materials business plan to CERS by March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. For new CERS users, please follow the procedures below: 1. Log in to http://cers.calepa.ca.gov to create a user [Truncated]

FAR EAST AUTO SERVICES (Continued) **S123508173**

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-30-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Second Notice of Violation Inspection Report Documents uploaded to CERS were reviewed. Indicated previously in this report are violations, originally issued on 10/23/18, that have not been resolved by the original COMPLY BY date. These violations have been re-issued and the violation class upgraded. Review and correct all violations indicated in this report, on or before the new COMPLY BY date associated with each violation. Failure to resolve these violations will result in this facility being subject to formal enforcement. New user instructions are provided below. The LAMC, Sections (L.A.M.C. SECTIONS 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA. To receive a Consolidated Permit you must satisfy the following requirement: **** Annual submission of a Hazardous Materials Business Plan into CERS is [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 29666
Facility Name: FAR EAST AUTO SERVICES
Env Int Type Code: HWG
Program ID: 10248781
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.070930
Longitude: -118.250110

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: WONG, DONNY
Entity Title: Not reported
Affiliation Address: 1289 W SUNSET BL
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90026
Affiliation Phone: (213) 250-1252,

Affiliation Type Desc: Parent Corporation
Entity Name: FAR EAST AUTO SERVICES
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

FAR EAST AUTO SERVICES (Continued) **S123508173**

Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Environmental Contact
Entity Name: DONNY WONG
Entity Title: Not reported
Affiliation Address: 1289 W SUNSET BL
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90026
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1289 W SUNSET BL
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90026
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: DONNY WONG
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (213) 250-1252,

HWTS:
Name: FAR EAST AUTO SERVICES
Address: 1289 W SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90026
EPA ID: CAL000270004
Inactive Date: 06/30/2019
Create Date: 05/06/2003
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1289 W SUNSET BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900260000
Owner Name: DONNY VUONG

FAR EAST AUTO SERVICES (Continued) **S123508173**

Owner Address:	1289 W SUNSET BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900260000
Contact Name:	DONNY VUONG
Contact Address:	1289 W SUNSET BLVD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90026
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.071096
Longitude:	-118.250523

NAICS:

EPA ID:	CAL000270004
Create Date:	2003-05-06 09:13:08.530
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2003-05-06 09:13:08.46700
Inactive Date:	2019-06-30 00:00:00
Facility Name:	FAR EAST AUTO SERVICES
Facility Address:	1289 W SUNSET BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90026

D35 **FAR EAST AUTO SERVICES** **RCRA NonGen / NLR** **1024806616**
North **1289 W SUNSET BLVD** **CAL000270004**
< 1/8 **LOS ANGELES, CA 90026**
0.079 mi.
418 ft. **Site 5 of 6 in cluster D**

Relative:
Higher

Actual:
454 ft.

RCRA Listings:

Date Form Received by Agency:	20030506
Handler Name:	Far East Auto Services
Handler Address:	1289 W SUNSET BLVD
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAL000270004
Contact Name:	DONNY VUONG
Contact Address:	1289 W SUNSET BLVD
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	213-250-1252
Contact Fax:	000-000-0000
Contact Email:	DEEVUONG@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1289 W SUNSET BLVD

FAR EAST AUTO SERVICES (Continued) **1024806616**

Mailing City,State,Zip:	LOS ANGELES, CA 90026-0000
Owner Name:	Donny Vuong
Owner Type:	Other
Operator Name:	Donny Vuong
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DONNY VUONG	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1289 W SUNSET BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026-0000
Owner/Operator Telephone:	213-250-1252
Owner/Operator Telephone Ext:	Not reported

FAR EAST AUTO SERVICES (Continued) **1024806616**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DONNY VUONG
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1289 W SUNSET BLVD
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 213-250-1252
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20030506
Handler Name: FAR EAST AUTO SERVICES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D36 **TATUNG AUTO SUPPLY** **HAZMAT** **S123544650**
NNW **1286 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90026**
0.084 mi.
443 ft. **Site 6 of 6 in cluster D**

Relative:
Higher

Actual:
442 ft.

LOS ANGELES HM:
Name: TATUNG AUTO SUPPLY
Address: 1286 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90026
Facility ID: FA0009630
Last Run Date: 11/01/2022
Status: INACTIVE

F37
NNE
< 1/8
0.090 mi.
477 ft.

SAMUEL WILLIAM ANTHONY JOHNSON
1031 EVERETT ST
LOS ANGELES, CA 90026

Site 1 of 2 in cluster F

RCRA NonGen / NLR **1027072867**
CAC003144469

Relative:
Higher

Actual:
552 ft.

RCRA Listings:

Date Form Received by Agency:	20211020
Handler Name:	Samuel William Anthony Johnson
Handler Address:	1031 EVERETT ST
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC003144469
Contact Name:	SAMUEL JOHNSON
Contact Address:	1031 EVERETT ST
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	415-857-2655
Contact Fax:	Not reported
Contact Email:	FAVILA@BURNS-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1031 EVERETT ST
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Samuel William Anthony Johnson
Owner Type:	Other
Operator Name:	Samuel Johnson
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

SAMUEL WILLIAM ANTHONY JOHNSON (Continued) **1027072867**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211020
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SAMUEL WILLIAM ANTHONY JOHNSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	723 TAYLOR ST #701
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94108
Owner/Operator Telephone:	415-857-2655
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SAMUEL JOHNSON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1031 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	415-857-2655
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20211020
Handler Name:	SAMUEL WILLIAM ANTHONY JOHNSON
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

SAMUEL WILLIAM ANTHONY JOHNSON (Continued) **1027072867**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F38 **SAM JOHNSON** **RCRA NonGen / NLR** **1026824384**
NNE **1031 EVERETT ST** **CAC003137416**
< 1/8 **LOS ANGELES, CA 90026**
0.090 mi.
477 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
552 ft.

RCRA Listings:

Date Form Received by Agency:	20210902
Handler Name:	Sam Johnson
Handler Address:	1031 EVERETT ST
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC003137416
Contact Name:	SAM JOHNSON
Contact Address:	1031 EVERETT ST
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	409-256-8684
Contact Fax:	Not reported
Contact Email:	KRISTINE@PEASOLUTIONS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1031 EVERETT ST
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Sam Johnson
Owner Type:	Other
Operator Name:	Sam Johnson
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

SAM JOHNSON (Continued) **1026824384**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210913
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SAM JOHNSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1031 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	409-256-8684
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SAM JOHNSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1031 EVERETT ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	409-256-8684
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SAM JOHNSON (Continued) **1026824384**

Historic Generators:
- Receive Date: 20210902
- Handler Name: SAM JOHNSON
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

G39 **LA FRIENDS CHILD CARE CENTER** **RCRA-SQG** **1000230595**
WNW **707 KENSINGTON RD** **FINDS** **CAD981987746**
< 1/8 **LOS ANGELES, CA 90066** **ECHO**
0.102 mi.
541 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **442 ft.**

RCRA Listings:
- Date Form Received by Agency: 19870324
- Handler Name: La Friends Child Care Center
- Handler Address: 707 KENSINGTON RD
- Handler City,State,Zip: LOS ANGELES, CA 90066
- EPA ID: CAD981987746
- Contact Name: ENVIRONMENTAL MANAGER
- Contact Address: 707 KENSINGTON RD
- Contact City,State,Zip: LOS ANGELES, CA 90066
- Contact Telephone: 213-485-7527
- Contact Fax: Not reported
- Contact Email: Not reported
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Other
- Federal Waste Generator Description: Small Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: CA
- State District: 4R
- Mailing Address: 200 N MAIN RM EIGHTH HUNDREDCH
- Mailing City,State,Zip: LOS ANGELES, CA 90012
- Owner Name: City Of Los Angeles

LA FRIENDS CHILD CARE CENTER (Continued) **1000230595**

Owner Type:	Municipal
Operator Name:	Not Required
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CITY OF LOS ANGELES	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LA FRIENDS CHILD CARE CENTER (Continued) **1000230595**

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19870324
Handler Name: LA FRIENDS CHILD CARE CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 62441
NAICS Description: CHILD CARE SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002766891

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000230595
Registry ID: 110002766891

LA FRIENDS CHILD CARE CENTER (Continued) **1000230595**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002766891
Name: LA FRIENDS CHILD CARE CENTER
Address: 707 KENSINGTON RD
City,State,Zip: LOS ANGELES, CA 90066

H40 **HERZOG D H** **EDR Hist Cleaner** **1009194428**
NNW **1298 S SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.102 mi.
541 ft. **Site 1 of 5 in cluster H**

Relative: EDR Hist Cleaner
Higher

Actual:
455 ft.

Year:	Name:	Type:
1937	HERZOG D H	CLOTHES PRESSERS AND CLEANERS

I41 **METROPOLITAN WATER DISTRICT OF SO C** **HAZNET** **S112969281**
SSE **1111 W SUNSET BLVD** **HAZMAT** **N/A**
< 1/8 **LOS ANGELES, CA 90012** **HWTS**
0.110 mi.
581 ft. **Site 1 of 4 in cluster I**

Relative: HAZNET:
Higher

Actual:
425 ft.

Name: INDUSTRIAL CONTRACTING CORP
Address: 1111 W SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900121216
Contact: MICHAEL SANTOS
Telephone: 5627771801
Mailing Name: Not reported
Mailing Address: 9845 PAINTER AVE STE M

Year: 2008
Gepaid: CAC002628926
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 28

Additional Info:
Year: 2008
Gen EPA ID: CAC002628926

Shipment Date: 20081010
Creation Date: 11/17/2008 18:30:32
Receipt Date: 20081010
Manifest ID: 000038763WAS
Trans EPA ID: CAR000181891
Trans Name: BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD009007626
Trans Name: AZUSA LAND RECLAMATION
TSDF Alt EPA ID: Not reported

METROPOLITAN WATER DISTRICT OF SO C (Continued) **S112969281**

TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080929
Creation Date:	11/3/2008 18:30:18
Receipt Date:	20080929
Manifest ID:	000038733WAS
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080501
Creation Date:	8/4/2008 18:30:35
Receipt Date:	20080501
Manifest ID:	000038727WAS
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16
Waste Quantity:	40

METROPOLITAN WATER DISTRICT OF SO C (Continued) **S112969281**

Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES HM:
Name: METROPOLITAN WATER DISTRICT OF SO C
Address: 1111 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0009628
Last Run Date: 11/01/2022
Status: INACTIVE

HWTS:
Name: INDUSTRIAL CONTRACTING CORP
Address: 1111 W SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAC002628926
Inactive Date: 10/08/2008
Create Date: 04/10/2008
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 9845 PAINTER AVE STE M
Mailing Address 2: Not reported
Mailing City,State,Zip: WHITTIER, CA 906052769
Owner Name: INDUSTRIAL CONTRACTING CORP
Owner Address: 9845 PAINTER AVE STE M
Owner Address 2: Not reported
Owner City,State,Zip: WHITTIER, CA 906052769
Contact Name: MICHAEL SANTOS
Contact Address: 9845 PAINTER AVE STE M
Contact Address 2: Not reported
City,State,Zip: WHITTIER, CA 906052769
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 34.065918
Longitude: -118.249346

I42 **METROPOLITAN WATER DIST OF SO CA** **RCRA-SQG** **1000367919**
SSE **1111 SUNSET BLVD** **FINDS** **CAD063842975**
< 1/8 **LOS ANGELES, CA 90012** **ECHO**
0.110 mi.
581 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
425 ft.

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: Metropolitan Water Dist Of So Ca
Handler Address: 1111 SUNSET BLVD
Handler City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAD063842975
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported

METROPOLITAN WATER DIST OF SO CA (Continued) **1000367919**

Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	PO BOX 54153 TERMINAL ANNEX
Mailing City,State,Zip:	LOS ANGELES, CA 90054
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported

METROPOLITAN WATER DIST OF SO CA (Continued) **1000367919**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: METROPOLITAN WATER DISTRICT OF SO CA
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: METROPOLITAN WATER DIST OF SO CA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19810601
Handler Name: METROPOLITAN WATER DIST OF SO CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

METROPOLITAN WATER DIST OF SO CA (Continued) **1000367919**

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002653824

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000367919
Registry ID:	110002653824
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002653824
Name:	METROPOLITAN WATER DIST OF SO CA
Address:	1111 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012

I43 **METROPOLITAN WATER DISTRICT OF SO C** **UST** **U003780511**
SSE **1111 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.110 mi.
581 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
425 ft.

UST:

Name:	WATER DISTRICT OF SO CALIFORNI
Address:	1111 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	24075
Permitting Agency:	LOS ANGELES, CITY OF
CERSID:	Not reported
Latitude:	34.0675658
Longitude:	-118.2472657
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported

METROPOLITAN WATER DISTRICT OF SO C (Continued) **U003780511**

Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

LOS ANGELES UST:

Name:	METROPOLITAN WATER DISTRICT OF SO C
Address:	1111 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0009628
Last Run Date:	11/01/2022
Status:	INACTIVE

I44 **WATER DISTRICT OF SO CALIFORNI** **SWEEPS UST** **S101585789**
SSE **1111 W SUNSET BLVD** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.110 mi.
581 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
425 ft.

SWEEPS UST:

Name:	WATER DISTRICT OF SO CALIFORNIA
Address:	1111 W SUNSET BLVD
City:	LOS ANGELES
Status:	Active
Comp Number:	7278
Number:	4
Board Of Equalization:	Not reported
Referral Date:	09-21-93
Action Date:	03-18-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported

WATER DISTRICT OF SO CALIFORNI (Continued) **S101585789**

Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19029653
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132506000
Mail To: Not reported
Mailing Address: 54153 TERMINAL ANNEX
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

45
East
< 1/8
0.115 mi.
608 ft.

EVAN DEC **RCRA NonGen / NLR** **1026168060**
938 WHITE KNOLL DRIVE, APT 5 **CAC003068105**
LOS ANGELES, CA 90012

Relative:
Higher

Actual:
453 ft.

RCRA Listings:
Date Form Received by Agency: 20200526
Handler Name: Evan Dec
Handler Address: 938 WHITE KNOLL DRIVE, APT 5
Handler City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAC003068105
Contact Name: EVAN DEC
Contact Address: 938 WHITE KNOLL DRIVE, APT 5
Contact City,State,Zip: LOS ANGELES, CA 90012
Contact Telephone: 617-899-9640
Contact Fax: Not reported
Contact Email: DECEBAN@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 938 WHITE KNOLL DRIVE, APT 5
Mailing City,State,Zip: LOS ANGELES, CA 90012
Owner Name: Evan Dec

EVAN DEC (Continued) **1026168060**

Owner Type:	Other
Operator Name:	Evan Dec
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: EVAN DEC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	938 WHITE KNOLL DRIVE, APT 5
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	617-899-9640
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

EVAN DEC (Continued) **1026168060**

Owner/Operator Indicator: Owner
Owner/Operator Name: EVAN DEC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 938 WHITE KNOLL DRIVE, APT 5
Owner/Operator City,State,Zip: LOS ANGELES, CA 90012
Owner/Operator Telephone: 617-899-9640
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200526
Handler Name: EVAN DEC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G46 **BAALBERGEN F H** **EDR Hist Cleaner** **1009188562**
West **1232 BELLEVUE AVE** **N/A**
< 1/8 **LOS ANGELES, CA**
0.118 mi.
621 ft. **Site 2 of 2 in cluster G**

Relative: EDR Hist Cleaner
Higher

Actual: Year: Name: Type:
427 ft. 1929 BAALBERGEN F H CLOTHES PRESSERS CLEANERS AND REPAIRERS
1933 BAALBERGEN F H CLOTHES PRESSERS AND CLEANERS

J47 **PATRICK QUAN** **RCRA NonGen / NLR** **1024769452**
ENE **974 WHITE KNOLL DRIVE** **CAC002989343**
< 1/8 **LOS ANGELES, CA 90012**
0.120 mi.
636 ft. **Site 1 of 2 in cluster J**

Relative: **Higher**

Actual: **489 ft.**

RCRA Listings:

Date Form Received by Agency:	20181114
Handler Name:	Patrick Quan
Handler Address:	974 WHITE KNOLL DRIVE
Handler City,State,Zip:	LOS ANGELES, CA 90012-1356
EPA ID:	CAC002989343
Contact Name:	PATRICK QUAN
Contact Address:	1070 DARBY ROAD
Contact City,State,Zip:	SAN MARINO, CA 91108-2425
Contact Telephone:	626-258-7109
Contact Fax:	Not reported
Contact Email:	STEPHANIECRUZ@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1070 DARBY ROAD
Mailing City,State,Zip:	SAN MARINO, CA 91108-2425
Owner Name:	Patrick Quan
Owner Type:	Other
Operator Name:	Patrick Quan
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

PATRICK QUAN (Continued) **1024769452**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PATRICK QUAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1070 DARBY ROAD
Owner/Operator City,State,Zip:	SAN MARINO, CA 91108-2425
Owner/Operator Telephone:	626-258-7109
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PATRICK QUAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1070 DARBY ROAD
Owner/Operator City,State,Zip:	SAN MARINO, CA 91108-2425
Owner/Operator Telephone:	626-258-7109
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181114
Handler Name: PATRICK QUAN	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

PATRICK QUAN (Continued) **1024769452**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J48 **CITY OF LOS ANGELES - STAPLES ARENA** **CPS-SLIC** **S106387148**
NE **1111 FIGUEROA** **N/A**
< 1/8 **LOS ANGELES, CA 90015**
0.121 mi.
637 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
531 ft.

SLIC REG 4:
Region: 4
Facility Status: Remediation
SLIC: 0856
Substance: TPH/VOCs/Metals
Staff: DY

H49 **A QUALITY AUTO SERVICE INC.** **SWEEPS UST** **S101583129**
North **1301 W SUNSET BLVD** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90026** **EMI**
0.123 mi. **HIST CORTESE**
651 ft. **Site 2 of 5 in cluster H**

Relative:
Higher

Actual:
441 ft.

SWEEPS UST:
Name: A QUALITY AUTO SERVICE INC.
Address: 1301 W SUNSET BLVD
City: LOS ANGELES
Status: Not reported
Comp Number: 7498
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

CA FID UST:
Facility ID: 19002748
Regulated By: UTNKI

A QUALITY AUTO SERVICE INC. (Continued) **S101583129**

Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 1301 W SUNSET BLVD
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900260000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

EMI:

Name:	'A' QUALITY AUTO SERVICES INC
Address:	1301 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	76892
Air District Name:	SC
SIC Code:	2821
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HIST CORTESE:

edr_fname:	DONALD COZEN
edr_fadd1:	1301 SUNSET
City,State,Zip:	LOS ANGELES, CA
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900260189

H50 **DONALD COZEN** **LUST** **S105051339**
North **1301 SUNSET BLVD W** **Cortese** **N/A**
< 1/8 **ECHO PARK, CA 90026** **CERS**
0.123 mi.
651 ft. **Site 3 of 5 in cluster H**

Relative: **Higher**
Actual: **441 ft.**

LUST:

Name:	DONALD COZEN
Address:	1301 SUNSET BLVD W
City,State,Zip:	ECHO PARK, CA 90026
Lead Agency:	LOS ANGELES RWQCB (REGION 4)

DONALD COZEN (Continued) **S105051339**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700721
Global Id:	T0603700721
Latitude:	34.0713551
Longitude:	-118.2504985
Status:	Completed - Case Closed
Status Date:	09/16/1996
Case Worker:	YR
RB Case Number:	900260189
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	03/05/1990
Leak Reported Date:	03/05/1990
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	09/16/1996
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	86-90%
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603700721
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700721
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

DONALD COZEN (Continued) **S105051339**

Global Id: T0603700721
Action Type: ENFORCEMENT
Date: 09/16/1996
Action: Closure/No Further Action Letter

Global Id: T0603700721
Action Type: Other
Date: 03/05/1990
Action: Leak Reported

LUST:
Global Id: T0603700721
Status: Open - Case Begin Date
Status Date: 03/05/1990

Global Id: T0603700721
Status: Open - Site Assessment
Status Date: 03/05/1990

Global Id: T0603700721
Status: Completed - Case Closed
Status Date: 09/16/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900260189
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700721
W Global ID: W0605100649
Staff: UNK
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 3/5/1990
Date Leak Record Entered: 11/7/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/24/1990
Date the Case was Closed: 9/16/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: A QUALITY AUTO BODY
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 4663.911363696864422983209 9118

DONALD COZEN (Continued) **S105051339**

Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	3/5/1990
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	10429 SUMMER HOLLY CIRCLE, LOS ANGELES CA 90077
Program:	LUST
Lat/Long:	34.0713551 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600649-001GEN
Summary:	OLD CASE #110790-03

CORTESE:

Name:	DONALD COZEN
Address:	1301 SUNSET BLVD W
City,State,Zip:	ECHO PARK, CA 90026
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700721
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	DONALD COZEN

DONALD COZEN (Continued) **S105051339**

Address: 1301 SUNSET BLVD W
City,State,Zip: ECHO PARK, CA 90026
Site ID: 250668
CERS ID: T0603700721
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

H51 **ALKO AUTO CENTER** **EDR Hist Auto** **1020504060**
North **1301 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90026**
0.123 mi.
651 ft. **Site 4 of 5 in cluster H**

Relative: EDR Hist Auto
Higher

Actual: **441 ft.**

Year:	Name:	Type:
1969	BURGESS EDLOYD	Gasoline Service Stations
1970	BURGESS EDLOYD	Gasoline Service Stations
1987	A QUALITY AUTO SERVICE & BODY	Not reported
1988	A QUALITY AUTO SERVICE & BODY	General Automotive Repair Shops
1989	A QUALITY AUTO SERVICE & BODY	General Automotive Repair Shops
1990	A QUALITY AUTO SERVICES INC	General Automotive Repair Shops
1991	A QUALITY AUTO SERVICES INC	General Automotive Repair Shops
1992	A QUALITY AUTO SERVICES INC	General Automotive Repair Shops
1993	A QUALITY AUTO SERVICES INC	General Automotive Repair Shops
1994	A QUALITY AUTO SERVICES INC	General Automotive Repair Shops
1995	A QUALITY AUTO SERVICES INC	General Automotive Repair Shops
1996	A QUALITY AUTO SVCS BDY & PNT	General Automotive Repair Shops
1997	A QUALITY AUTO SVCS BDY & PNT	General Automotive Repair Shops
1999	ALVARADO TRANSMISSION	General Automotive Repair Shops
2000	ALVARADO TRANSMISSION	General Automotive Repair Shops
2001	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2001	ALVARADO TRANSMISSION	General Automotive Repair Shops
2002	ALVARADO TRANSMISSION	General Automotive Repair Shops
2002	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2003	ALVARADO TRANSMISSION	General Automotive Repair Shops
2003	ALKO AUTO CENTER	Automotive Transmission Repair Shops

ALKO AUTO CENTER (Continued) **1020504060**

2004	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2004	ALVARADO TRANSMISSION	General Automotive Repair Shops
2005	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2005	ALVARADO TRANSMISSION	General Automotive Repair Shops
2006	ALVARADO TRANSMISSION	General Automotive Repair Shops
2006	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2007	ALVARADO TRANSMISSION	General Automotive Repair Shops
2007	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2008	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2009	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2010	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2011	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2012	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2013	ALKO AUTO CENTER	Automotive Transmission Repair Shops
2014	ALKO AUTO CENTER	Automotive Transmission Repair Shops

H52 **HUBBARD ONE INC** **HAZMAT** **S113031556**
North **1301 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90026**
0.123 mi.
651 ft. **Site 5 of 5 in cluster H**

Relative: **Higher**
Actual: **441 ft.**

LOS ANGELES HM:

Name:	HUBBARD ONE INC
Address:	1301 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	FA0032509
Last Run Date:	11/01/2022
Status:	INACTIVE

K53 **LARRY WIGGS** **RCRA NonGen / NLR** **1024760110**
NW **910 EAST EDGEWARE ROAD** **CAC002979962**
1/8-1/4 **LOS ANGELES, CA 90026**
0.130 mi.
689 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**
Actual: **482 ft.**

RCRA Listings:

Date Form Received by Agency:	20180912
Handler Name:	Larry Wiggs
Handler Address:	910 EAST EDGEWARE ROAD
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC002979962
Contact Name:	LARRY WIGGS
Contact Address:	5172 SANCHEZ DRIVE
Contact City,State,Zip:	LOS ANGELES, CA 90008
Contact Telephone:	213-804-9645
Contact Fax:	Not reported
Contact Email:	RUTHSAMANO@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities

LARRY WIGGS (Continued) **1024760110**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5172 SANCHEZ DRIVE
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Larry Wiggs
Owner Type:	Other
Operator Name:	Larry Wiggs
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181001
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: LARRY WIGGS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5172 SANCHEZ DRIVE

LARRY WIGGS (Continued) **1024760110**

Owner/Operator City,State,Zip: LOS ANGELES, CA 90008
Owner/Operator Telephone: 213-804-9645
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LARRY WIGGS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 5172 SANCHEZ DRIVE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90008
Owner/Operator Telephone: 213-804-9645
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180912
Handler Name: LARRY WIGGS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L54 **UST** **U004298842**
South **1100 SUNSET BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.151 mi.
797 ft. **Site 1 of 8 in cluster L**

Relative: LOS ANGELES UST:
Lower
Name: Not reported
Actual: Address: 1100 SUNSET BLVD
376 ft. City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

L55 **UST** **U004298890**
South **1110 BELLEVUE** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.160 mi.
844 ft. **Site 2 of 8 in cluster L**

Relative: LOS ANGELES UST:
Lower
Actual: Name: Not reported
385 ft. Address: 1110 BELLEVUE
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

L56 **MARLAND COMPANY** **LUST** **S104406277**
South **1100-1154 BELLEVUE AVE** **Cortese** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **CERS**
0.162 mi.
857 ft. **Site 3 of 8 in cluster L**

Relative: LUST:
Lower
Actual: Name: MARLAND COMPANY
374 ft. Address: 1100-1154 BELLEVUE AVE
City,State,Zip: LOS ANGELES, CA 90012
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700538
Global Id: T0603700538
Latitude: 34.065422
Longitude: -118.251222
Status: Completed - Case Closed
Status Date: 05/09/2000
Case Worker: Not reported
RB Case Number: 900120434
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: Google Geocode
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 12/22/1998
Leak Reported Date: 10/18/1999
How Discovered: Other Means
How Discovered Description: Not reported
Discharge Source: Tank
Discharge Cause: Unknown
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 05/09/2000
CA Water Watershed Name: Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name: Not reported
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 91-95%
CA Enviroscreen 4 Score: 70-75%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: LOS ANGELES RWQCB (REGION 4)

MARLAND COMPANY (Continued) **S104406277**

Site History: Not reported

LUST:
Global Id: T0603700538
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603700538
Action Type: ENFORCEMENT
Date: 05/09/2000
Action: Closure/No Further Action Letter

Global Id: T0603700538
Action Type: Other
Date: 12/22/1998
Action: Leak Discovery

Global Id: T0603700538
Action Type: Other
Date: 10/18/1999
Action: Leak Reported

LUST:
Global Id: T0603700538
Status: Open - Case Begin Date
Status Date: 12/22/1998

Global Id: T0603700538
Status: Completed - Case Closed
Status Date: 05/09/2000

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120434
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603700538
W Global ID: W0605100649
Staff: BRC
Local Agency: 19050
Cross Street: BEAUDRY AVE
Enforcement Type: Not reported
Date Leak Discovered: 12/22/1998

MARLAND COMPANY (Continued) **S104406277**

Date Leak First Reported:		10/18/1999
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/16/1999
Date the Case was Closed:		5/9/2000
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2693.2429763065548857357746262
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MARLAND COMPANY C/O AC MARTIN	
RP Address:	811 W. 7TH ST., LOS ANGELES, CA 90017	
Program:	SLIC	
Lat/Long:	34.0650734 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600649-001GEN	
Summary:	2-750 GAL, 2-500 GALL UST REMOVED 9/15/99, ONLY 1 QUARTER H2O SAMPLE.	

CORTESE:

Name:	MARLAND COMPANY
Address:	1100-1154 BELLEVUE AVE
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700538
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported

MARLAND COMPANY (Continued) **S104406277**

Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	MARLAND COMPANY
Address:	1100-1154 BELLEVUE AVE
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	237894
CERS ID:	T0603700538
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

L57 **KROQ** **AST** **A100338829**
SSE **655 NORTH BEAUDRY** **N/A**
1/8-1/4 **GLENDALE, CA**
0.163 mi.
863 ft. **Site 4 of 8 in cluster L**

Relative:
Lower

Actual:
379 ft.

AST:

Name:	KROQ
Address:	655 NORTH BEAUDRY
City/Zip:	GLENDALE,
Certified Unified Program Agencies:	Glendale
Owner:	Infinity Broadcasting
Total Gallons:	1,320
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported

KROQ (Continued) **A100338829**

Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

M58 **STATE OF CALIF - DEPT OF CONSERVATI** **HIST UST** **U001560540**
SE **806 N BEAUDRY AVE** **HAZMAT** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.164 mi.
864 ft. **Site 1 of 3 in cluster M**

Relative:
Lower

Actual:
405 ft.

HIST UST:

Name:	SPRAGUE
Address:	806 N BEAUDRY AVE
City,State,Zip:	LOS ANGELES, CA 90012
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000016812
Facility Type:	Other
Other Type:	OIL WELLS
Contact Name:	BRUCE MANLEY
Telephone:	2133877311
Owner Name:	ROBERT R. SPRAGUE
Owner Address:	3600 WILSHIRE BOULEVARD
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00003500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	1/2
Leak Detection:	Visual, Stock Inventor

LOS ANGELES HM:

Name:	STATE OF CALIF - DEPT OF CONSERVATI
Address:	806 N BEAUDRY AVE
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0023874
Last Run Date:	11/01/2022
Status:	INACTIVE

M59 **SPRAGUE** **SWEEPS UST** **S101617149**
SE **806 N BEAUDRY ST** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.164 mi.
864 ft. **Site 2 of 3 in cluster M**

Relative: **Lower**

Actual: **405 ft.**

SWEEPS UST:

Name:	SPRAGUE
Address:	806 N BEAUDRY ST
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1004
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001004-000001
Tank Status:	Not reported
Capacity:	3500
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	1

CA FID UST:

Facility ID:	19024722
Regulated By:	UTNKI
Regulated ID:	00016812
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2133877311
Mail To:	Not reported
Mailing Address:	3600 WILSHIRE BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900120000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

M60 **LA1 AND LA2 WELL SITE** **CPS-SLIC** **S118504790**
SE **806 NORTH BEAUDRY** **CERS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.164 mi.
864 ft. **Site 3 of 3 in cluster M**

Relative: **Lower**

Actual: **405 ft.**

CPS-SLIC:

Name:	LA1 AND LA2 WELL SITE
Address:	806 NORTH BEAUDRY
City,State,Zip:	LOS ANGELES, CA 90012
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	02/09/2016

LA1 AND LA2 WELL SITE (Continued) **S118504790**

Global Id:	T10000008461
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.06587
Longitude:	-118.24758
Case Type:	Cleanup Program Site
Case Worker:	NLA
Local Agency:	Not reported
RB Case Number:	1359
File Location:	Regional Board
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Total Petroleum Hydrocarbons (TPH)
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	02/09/2016
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	The Site is approximately 0.12 acres located at 806 North Beaudry Avenue in Los Angeles, California (the Site). The Site was acquired by the State of California, Division of Oil, Gas, and Geothermal Resources (DOGGR) in 1992, which until 2005, featured two oil production wells and related support infrastructure, including indications of an underground storage tank (UST) used to store oil onsite. The Site has been vacant since 2005 and is impacted with total petroleum hydrocarbons (TPH) in soil, potentially groundwater, and methane in soil gas. The State of California, Department of General Services (DGS) plans to divest the property. DGS is evaluating potential environmental issues related to divestiture of the site, and intends to implement remedial actions to reduce the site impacts to levels protective of human health and the environment.
	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	LA1 AND LA2 WELL SITE
Address:	806 NORTH BEAUDRY
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	364181
CERS ID:	T10000008461
CERS Description:	Cleanup Program Site

LA1 AND LA2 WELL SITE (Continued) **S118504790**

Affiliation:
- Affiliation Type Desc: Regional Board Caseworker
- Entity Name: NICOLE ALKOV - LOS ANGELES RWQCB (REGION 4)
- Entity Title: Not reported
- Affiliation Address: 320 W 4th Street, Suite 200
- Affiliation City: LOS ANGELES
- Affiliation State: CA
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: 2135766677,

L61 **MARLAND CO.** **CPS-SLIC** **S104404759**
South **538 BEAUDRY** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.173 mi.
916 ft. **Site 5 of 8 in cluster L**

Relative: **Lower**
Actual: **372 ft.**

SLIC REG 4:
- Region: 4
- Facility Status: No further action required
- SLIC: 0560
- Substance: TPH
- Staff: Not reported

L62 **MARLAND CO** **CPS-SLIC** **S106483739**
South **538 N. BEAUDRY AVE** **CERS** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.173 mi.
916 ft. **Site 6 of 8 in cluster L**

Relative: **Lower**
Actual: **372 ft.**

CPS-SLIC:
- Name: MARLAND CO
- Address: 538 N. BEAUDRY AVE
- City,State,Zip: LOS ANGELES, CA
- Region: STATE
- **Facility Status: Completed - Case Closed**
- Status Date: 09/26/1996
- Global Id: SL184291412
- Lead Agency: LOS ANGELES RWQCB (REGION 4)
- Lead Agency Case Number: Not reported
- Latitude: 34.0649718
- Longitude: -118.2494521
- Case Type: Cleanup Program Site
- Case Worker: Not reported
- Local Agency: Not reported
- RB Case Number: 0560
- File Location: Not reported
- Potential Media Affected: Not reported
- Potential Contaminants of Concern: Not reported
- EPA Region: 9
- Coordinate Source: Google Geocode
- Cuf Case: NO
- Quantity Released Gallons: Not reported
- Begin Date: 06/01/1996
- Leak Reported Date: Not reported

MARLAND CO (Continued) **S106483739**

How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	09/26/1996
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	70-75%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	MARLAND CO
Address:	538 N. BEAUDRY AVE
City,State,Zip:	LOS ANGELES, CA
Site ID:	257392
CERS ID:	SL184291412
CERS Description:	Cleanup Program Site

63
NW
1/8-1/4
0.173 mi.
916 ft.

OLIVIA OROZCO **RCRA NonGen / NLR** **1027083920**
948 EAST EDGEWARE RD **CAC003156111**
LOS ANGELES, CA 90026

Relative:
Higher

Actual:
500 ft.

RCRA Listings:

Date Form Received by Agency:	20220110
Handler Name:	Olivia Orozco
Handler Address:	948 EAST EDGEWARE RD
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC003156111
Contact Name:	OLIVIA OROZCO
Contact Address:	948 EAST EDGEWARE RD
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	310-754-9053
Contact Fax:	Not reported
Contact Email:	KCHRISTOPHERSON@HAZAWAYTODAY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	948 EAST EDGEWARE RD
Mailing City,State,Zip:	LOS ANGELES, CA 90026

OLIVIA OROZCO (Continued) **1027083920**

Owner Name:	Olivia Orozco
Owner Type:	Other
Operator Name:	Olivia Orozco
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220111
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: OLIVIA OROZCO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	948 EAST EDGEWARE RD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	310-754-9053
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

OLIVIA OROZCO (Continued) **1027083920**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OLIVIA OROZCO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 948 EAST EDGEWARE RD
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 310-754-9053
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20220110
Handler Name: OLIVIA OROZCO
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K64 **DAVE LONGSTRETH** **RCRA NonGen / NLR** **1026717614**
WNW **1314 KELLAM AVENUE** **CAC003106156**
1/8-1/4 **LOS ANGELES, CA 90026**
0.177 mi.
936 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
494 ft.

RCRA Listings:
Date Form Received by Agency: 20210218
Handler Name: Dave Longstreth
Handler Address: 1314 KELLAM AVENUE
Handler City,State,Zip: LOS ANGELES, CA 90026
EPA ID: CAC003106156
Contact Name: DAVE LONGSTRETH
Contact Address: 1314 KELLAM AVENUE
Contact City,State,Zip: LOS ANGELES, CA 90026
Contact Telephone: 347-967-9026
Contact Fax: Not reported

DAVE LONGSTRETH (Continued) **1026717614**

Contact Email:	DAVID.LONGSTRETH@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1314 KELLAM AVENUE
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	David Longstreth
Owner Type:	Other
Operator Name:	Dave Longstreth
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

DAVE LONGSTRETH (Continued) **1026717614**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: DAVE LONGSTRETH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1314 KELLAM AVENUE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 347-967-9026
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DAVID LONGSTRETH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1314 KELLAM AVENUE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90026
Owner/Operator Telephone: 347-967-9026
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210218
Handler Name: DAVE LONGSTRETH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N65 **LOS ANGELES DODGERS** **RCRA NonGen / NLR** **1025858301**
North **1000 VIN SCULLY AVE.** **CAC003038827**
1/8-1/4 **LOS ANGELES, CA 90012**
0.190 mi.
1001 ft. **Site 1 of 5 in cluster N**

Relative: **Higher**
Actual: **494 ft.**

RCRA Listings:

Date Form Received by Agency:	20191015
Handler Name:	Los Angeles Dodgers
Handler Address:	1000 VIN SCULLY AVE.
Handler City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAC003038827
Contact Name:	DEREK O'HARA
Contact Address:	1000 VIN SCULLY AVE.
Contact City,State,Zip:	LOS ANGELES, CA 90012
Contact Telephone:	323-224-1560
Contact Fax:	Not reported
Contact Email:	DEREKO@LADODGERS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1000 VIN SCULLY AVE.
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	Janet Marie Smith
Owner Type:	Other
Operator Name:	Derek O'Hara
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

LOS ANGELES DODGERS (Continued) **1025858301**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191021
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JANET MARIE SMITH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 VIN SCULLY AVE.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	323-224-4248
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DEREK O'HARA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 VIN SCULLY AVE.
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	323-224-1560
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191015
Handler Name: LOS ANGELES DODGERS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

LOS ANGELES DODGERS (Continued) **1025858301**

List of NAICS Codes and Descriptions:
NAICS Code: 711211
NAICS Description: SPORTS TEAMS AND CLUBS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N66 **DODGER STADIUM 76 (2705653)** **HAZMAT** **S123550636**
North **1000 W ELYSIAN PARK AVE UN A** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.190 mi.
1001 ft. **Site 2 of 5 in cluster N**

Relative:
Higher

Actual:
494 ft.

LOS ANGELES HM:
Name: DODGER STADIUM 76 (2705653)
Address: 1000 W ELYSIAN PARK AVE UN A
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0031663
Last Run Date: 11/01/2022
Status: INACTIVE

N67 **CONOCOPHILLIPS SITE #2705653** **RCRA-SQG** **1010313273**
North **1000 ELYSTAN PARK AVE** **CAL000276910**
1/8-1/4 **LOS ANGELES, CA 90012**
0.190 mi.
1001 ft. **Site 3 of 5 in cluster N**

Relative:
Higher

Actual:
494 ft.

RCRA Listings:
Date Form Received by Agency: 20060331
Handler Name: Conocophillips Site #2705653
Handler Address: 1000 ELYSTAN PARK AVE
Handler City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAL000276910
Contact Name: JULE LEE
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: 510-245-5218
Contact Fax: Not reported
Contact Email: JULIE.LEE@CONOCOPHILLIPS.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 1380 SAN PABLO AVE
Mailing City,State,Zip: RODEO, CA 94572

CONOCOPHILLIPS SITE #2705653 (Continued) **1010313273**

Owner Name:	Conocophillips
Owner Type:	Private
Operator Name:	Conocophillips
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20070305
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2005

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Operator

CONOCOPHILLIPS SITE #2705653 (Continued) **1010313273**

Owner/Operator Name: CONOCOPHILLIPS
Legal Status: Private
Date Became Current: 20010914
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS
Legal Status: Private
Date Became Current: 20010914
Date Ended Current: Not reported
Owner/Operator Address: 600 N DAIRY ASHFORD, TR1032B
Owner/Operator City,State,Zip: HOUSTON, TX 77079
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CONOCOPHILLIPS
Legal Status: Private
Date Became Current: 20010914
Date Ended Current: Not reported
Owner/Operator Address: 600 N DAIRY ASHFORD, TR1032B
Owner/Operator City,State,Zip: HOUSTON, TX 77079
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONOCOPHILLIPS
Legal Status: Private
Date Became Current: 20010914
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060331
Handler Name: CONOCOPHILLIPS SITE #2705653
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

CONOCOPHILLIPS SITE #2705653 (Continued) **1010313273**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060331
Handler Name: CONOCOPHILLIPS SITE #2705653
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44711
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

N68 **DODGER STADIUM 76 (2705653)** **UST** **U004307343**
North **1000 W ELYSIAN PARK AVE UN A** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.190 mi.
1001 ft. **Site 4 of 5 in cluster N**

Relative:
Higher

Actual:
494 ft.

LOS ANGELES UST:
Name: DODGER STADIUM 76 (2705653)
Address: 1000 W ELYSIAN PARK AVE UN A
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0031663
Last Run Date: 11/01/2022
Status: INACTIVE

N69 **LOS ANGELES DODGERS LLC** **RCRA NonGen / NLR** **1026045771**
North **1000 VIN SCULLY AVENUE** **CAC003052211**
1/8-1/4 **LOS ANGELES, CA 90012**
0.190 mi.
1001 ft. **Site 5 of 5 in cluster N**

Relative:
Higher

Actual:
494 ft.

RCRA Listings:
Date Form Received by Agency: 20200121
Handler Name: Los Angeles Dodgers Llc
Handler Address: 1000 VIN SCULLY AVENUE
Handler City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAC003052211
Contact Name: DEREK O'HARA

LOS ANGELES DODGERS LLC (Continued) **1026045771**

Contact Address:	1000 VIN SCULLY AVENUE
Contact City,State,Zip:	LOS ANGELES, CA 90012
Contact Telephone:	323-224-1560
Contact Fax:	Not reported
Contact Email:	DEREKO@LADODGERS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1000 VIN SCULLY AVENUE
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	Los Angeles Dodgers Llc
Owner Type:	Other
Operator Name:	Derek O'Hara
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

LOS ANGELES DODGERS LLC (Continued) **1026045771**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: LOS ANGELES DODGERS LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1000 VIN SCULLY AVENUE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90012
Owner/Operator Telephone: 323-224-1500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DEREK O'HARA
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1000 VIN SCULLY AVENUE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90012
Owner/Operator Telephone: 323-224-1560
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200121
Handler Name: LOS ANGELES DODGERS LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61162
NAICS Description: SPORTS AND RECREATION INSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O70 **K & K** **MINES MRDS** **1025711900**
NE **N/A**
1/8-1/4 **LOS ANGELES (County), CA**
0.197 mi.
1039 ft. **Site 1 of 2 in cluster O**

Relative: **Higher**

Actual: **475 ft.**

MINES MRDS:

Name:	K & K
Address:	Not reported
Deposit identification Number:	10236103
City,State,Zip:	CALIFORNIA
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10236103
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060370201
Region:	NA
Country:	United States
Primary Commodities:	Clay
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	K and K
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	34.07112
Longitude:	-118.2465

L71 **LEE, SHIN CHAN** **RCRA NonGen / NLR** **1024761908**
SSE **1065 W. SUNSET BLVD** **CAC002981769**
1/8-1/4 **LOS ANGELES, CA 90012**
0.197 mi.
1041 ft. **Site 7 of 8 in cluster L**

Relative: **Lower**

Actual: **367 ft.**

RCRA Listings:

Date Form Received by Agency:	20180924
Handler Name:	Lee, Shin Chan
Handler Address:	1065 W. SUNSET BLVD
Handler City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAC002981769
Contact Name:	LEE, SHIN CHAN
Contact Address:	1065 W. SUNSET BLVD
Contact City,State,Zip:	LOS ANGELES, CA 90012
Contact Telephone:	310-938-4699
Contact Fax:	Not reported
Contact Email:	ANDREWC@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1065 W. SUNSET BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	Lee, Shin Chan
Owner Type:	Other
Operator Name:	Lee, Shin Chan
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

LEE, SHIN CHAN (Continued) **1024761908**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181001
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: LEE, SHIN CHAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1065 W. SUNSET BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	310-938-4699
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: LEE, SHIN CHAN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1065 W. SUNSET BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	310-938-4699
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180924
Handler Name: LEE, SHIN CHAN	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

LEE, SHIN CHAN (Continued) **1024761908**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P72 **EDWIN SOUZA** **RCRA NonGen / NLR** **1026824501**
West **1290 BELLDUE AVENUE** **CAC003137537**
1/8-1/4 **LOS ANGELES, CA 90026**
0.198 mi.
1047 ft. **Site 1 of 7 in cluster P**

Relative: **Higher**
Actual: **443 ft.**

RCRA Listings:

Date Form Received by Agency:	20210903
Handler Name:	Edwin Souza
Handler Address:	1290 BELLDUE AVENUE
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC003137537
Contact Name:	EDWIN SOUZA
Contact Address:	1290 BELLDUE AVENUE
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	626-487-5354
Contact Fax:	Not reported
Contact Email:	KARLA@SUPERIORENV.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1290 BELLDUE AVENUE
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Edwin Souza
Owner Type:	Other
Operator Name:	Edwin Souza
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No

EDWIN SOUZA (Continued) **1026824501**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210913
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: EDWIN SOUZA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1290 BELLDUE AVENUE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	626-487-5354
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: EDWIN SOUZA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1290 BELLDUE AVENUE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	626-487-5354
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

EDWIN SOUZA (Continued) **1026824501**

Historic Generators:
- Receive Date: 20210903
- Handler Name: EDWIN SOUZA
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

L73 **JACK IN THE BOX, INC. #3378** **HAZMAT** **S123500186**
South **516 N BEAUDRY AVE** **CERS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.199 mi.
1053 ft. **Site 8 of 8 in cluster L**

Relative: **Lower**

Actual: **367 ft.**

LOS ANGELES HM:
- Name: JACK IN THE BOX #3378
- Address: 516 N BEAUDRY AVE
- City,State,Zip: LOS ANGELES, CA 90012
- Facility ID: FA0038069
- Last Run Date: 11/01/2022
- Status: ACTIVE

CERS:
- Name: JACK IN THE BOX, INC. #3378
- Address: 516 N BEAUDRY AVE
- City,State,Zip: LOS ANGELES, CA 90012
- Site ID: 125271
- CERS ID: 10140537
- CERS Description: Chemical Storage Facilities

Violations:
- Site ID: 125271
- Site Name: Jack in the Box, Inc. #3378
- Violation Date: 08-05-2022
- Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
- Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

JACK IN THE BOX, INC. #3378 (Continued) **S123500186**

Violation Notes: Returned to compliance on 08/09/2022. Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity equal to or greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. During the inspection a total of 1 materials were observed in quantities at or above reportable thresholds. Please correct the following: *INCREASE CO2 TO 53 GALLONS
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 125271
Site Name: Jack in the Box, Inc. #3378
Violation Date: 04-28-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/18/2019. More recent inspection completed. Newer inspection report and violations supersede previous violations. Previous violations were abated this date
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to enter, inspect and take photographs was given by: Cecilia Ceja The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by (Jose Castillo, Employee). Observed the facility and inspected hazardous materials

JACK IN THE BOX, INC. #3378 (Continued) **S123500186**

storage. Annual employee safety training records were not maintained. Facility has also not electronically disclosed the onsite hazardous materials inventory or submitted a business emergency plan in California Environmental Reporting System (CERS). Please go to https://cersbusiness2.calepa.ca.gov to complete a chemical inventory disclosure and business emergency plan. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically) within 30 days of the change.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: "Consent to enter, inspect and take photographs was given by: Frances Robles The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. As a reminder, you must complete [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-09-2022
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan sections were reviewed in CERS today and the facility is found to have complied with all Hazardous Materials Business Plan violations originally issued. CERS has been ACCEPTED and all NOVs and NTCs have been cleared.

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 125271
Facility Name: Jack in the Box, Inc. #3378
Env Int Type Code: HMBP
Program ID: 10140537
Coord Name: Not reported

JACK IN THE BOX, INC. #3378 (Continued) **S123500186**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.064670
Longitude: -118.249220

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 9357 Spectrum Center Blvd.
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92123
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Brad La Cross
Entity Title: Restaurant Safety Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: Jack In The Box, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Stantec Consulting Services Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Brad La Cross
Entity Title: Not reported
Affiliation Address: 9357 Spectrum Center Blvd.
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92123
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Jack in the Box Properties, LLC

JACK IN THE BOX, INC. #3378 (Continued) **S123500186**

Entity Title:	Not reported
Affiliation Address:	9357 Spectrum Center Blvd.
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92123
Affiliation Phone:	(858) 571-2445,
Affiliation Type Desc:	Operator
Entity Name:	Jack in the Box Properties, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(858) 571-2450,
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,

Q74 **RADI'S MECHANIC SERVICE INC.** **CERS HAZ WASTE** **S123537023**
NNW **1344 W SUNSET BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.200 mi.
1057 ft. **Site 1 of 3 in cluster Q**

Relative:
Higher

Actual:
470 ft.

CERS HAZ WASTE:

Name:	RADI'S MECHANIC SERVICE INC.
Address:	1344 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90026
Site ID:	146073
CERS ID:	10262215
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	146073
Site Name:	RADI'S MECHANIC SERVICE INC.
Violation Date:	08-15-2018
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/15/2018. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6)

RADI'S MECHANIC SERVICE INC. (Continued) **S123537023**

accumulation start date. -Observed missing labels on all the used oil drums. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information by 09/14/18. NOTE: owner provided complete labels before the end of the inspection.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 146073
Site Name: RADI'S MECHANIC SERVICE INC.
Violation Date: 08-15-2018
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 08/29/2018. OBSERVATION: Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or release of hazardous waste to air, soil, or surface water which could threaten human health or the environment. -Observed a minor pool of used oil accumulating inside the secondary containment for the used oil drums. CORRECTIVE ACTION: Immediately clean up the accumulated waste absorbent, and manage according to Title 22 hazardous waste regulations. Submit a statement and supporting documentation explaining how this waste was managed by 09/14/18.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Aileen Radi
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-29-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: In office follow up review.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Aileen Radi
Eval Division: Los Angeles County Fire Department

RADI'S MECHANIC SERVICE INC. (Continued) **S123537023**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-15-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Aileen Radi (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 146073
Facility Name: RADI'S MECHANIC SERVICE INC.
Env Int Type Code: HWG
Program ID: 10262215
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.072520
Longitude: -118.251470

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1344 W SUNSET BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90026
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: RADI'S MECHANIC SERVICE INC.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Legal Owner
Entity Name: AILEEN RADI & RAYMOND RADI
Entity Title: Not reported

RADI'S MECHANIC SERVICE INC. (Continued) **S123537023**

Affiliation Address:	1344 W. SUNSET BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90026
Affiliation Phone:	(213) 482-1344,

Q75 **RADI'S MECHANICS SERVICE INC** **RCRA NonGen / NLR** **1024802919**
NNW **1344 SUNSET BLVD** **CAL000249922**
1/8-1/4 **LOS ANGELES, CA 90026**
0.200 mi.
1057 ft. **Site 2 of 3 in cluster Q**

Relative: **Higher**
Actual: **470 ft.**

RCRA Listings:

Date Form Received by Agency:	20020412
Handler Name:	Radi'S Mechanics Service Inc
Handler Address:	1344 SUNSET BLVD
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAL000249922
Contact Name:	AILEEN RADI
Contact Address:	1344 W SUNSET BLVD
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	213-482-1344
Contact Fax:	000-000-0000
Contact Email:	RADIS1344@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1344 W SUNSET BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90026-0000
Owner Name:	Raymond Radi
Owner Type:	Other
Operator Name:	Aileen Radi
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

RADI'S MECHANICS SERVICE INC (Continued) **1024802919**

Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: AILEEN RADI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1344 W SUNSET BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	213-482-1344
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: RAYMOND RADI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1344 W SUNSET BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026-0000
Owner/Operator Telephone:	213-482-1344
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020412
Handler Name: RADI'S MECHANICS SERVICE INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported

RADI'S MECHANICS SERVICE INC (Continued) **1024802919**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

---

76 ENE 1/8-1/4 0.207 mi. 1093 ft. **LOS ANGELES BRICK CO. PIT** **MINES MRDS** **1025667627 N/A**

LOS ANGELES (County), CA

Relative: Higher

Actual: 499 ft.

MINES MRDS:

Name:	LOS ANGELES BRICK CO. PIT
Address:	Not reported
Deposit identification Number:	10188104
City,State,Zip:	CALIFORNIA
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10188104
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060370685
Region:	NA
Country:	United States
Primary Commodities:	Clay
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Los Angeles Brick Co., Chevez Canyon Yard
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported

LOS ANGELES BRICK CO. PIT (Continued) **1025667627**

Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	34.07002
Longitude:	-118.2456

77
East
1/8-1/4
0.212 mi.
1121 ft.

1012 S FIGUEROA TER
LOS ANGELES, CA

UST **U004298549**
N/A

Relative:
Higher

Actual:
493 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1012 S FIGUEROA TER
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

O78
NE
1/8-1/4
0.215 mi.
1133 ft.

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901)
1750 STADIUM WAY
LOS ANGELES, CA 90012

Site 2 of 2 in cluster O

US BROWNFIELDS FINDS **1026004453**
N/A

Relative:
Higher

Actual:
456 ft.

US BROWNFIELDS:

Name:	ANGELINO HEIGHTS (INCLUDES APN 5415-018-901)
Address:	1750 STADIUM WAY
Recipient name:	State of California High-Speed Rail Authority
Grant type:	Assessment
Region:	9
Property Number:	5415-018-010; 5415-018-901
Parcel size:	16.71
Latitude:	34.0728154
Longitude:	-118.2474062
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	239994
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901) (Continued) **1026004453**

Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	16732
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	99T61101
Start Date:	11/15/2018
Ownership Entity:	Not reported
Completion Date:	6/25/2019
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	2488
Below Poverty Percent:	25.83
Meidan Income:	7098
Meidan Income Number:	5467
Meidan Income Percent:	56.75
Vacant Housing Number:	296
Vacant Housing Percent:	8.11

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901) (Continued) **1026004453**

Unemployed Number:	568
Unemployed Percent:	5.9
Name:	ANGELINO HEIGHTS
Address:	1750 STADIUM WAY
Recipient name:	State of California High-Speed Rail Authority
Grant type:	Assessment
Region:	9
Property Number:	5415-018-010
Parcel size:	11.67
Latitude:	34.0728154
Longitude:	-118.2474062
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	239951
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	16732
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	99T61101
Start Date:	11/15/2018
Ownership Entity:	Not reported
Completion Date:	6/25/2019
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901) (Continued) **1026004453**

Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	2488
Below Poverty Percent:	25.83
Meidan Income:	7098
Meidan Income Number:	5467
Meidan Income Percent:	56.75
Vacant Housing Number:	296
Vacant Housing Percent:	8.11
Unemployed Number:	568
Unemployed Percent:	5.9

Name:	ANGELINO HEIGHTS
Address:	1750 STADIUM WAY
Recipient name:	State of California High-Speed Rail Authority
Grant type:	Assessment
Region:	9
Property Number:	5415-018-010
Parcel size:	11.67
Latitude:	34.0728154
Longitude:	-118.2474062
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	239951
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Not reported

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901) (Continued) **1026004453**

Accomplishment Count:	Not reported
Cooperative Agreement Number:	99T61101
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	2488
Below Poverty Percent:	25.83
Meidan Income:	7098
Meidan Income Number:	5467
Meidan Income Percent:	56.75
Vacant Housing Number:	296
Vacant Housing Percent:	8.11
Unemployed Number:	568
Unemployed Percent:	5.9

Name:	ANGELINO HEIGHTS (INCLUDES APN 5415-018-901)
Address:	1750 STADIUM WAY
Recipient name:	State of California High-Speed Rail Authority
Grant type:	Assessment
Region:	9
Property Number:	5415-018-010; 5415-018-901
Parcel size:	16.71
Latitude:	34.0728154
Longitude:	-118.2474062
HCM Label:	Not reported

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901) (Continued) **1026004453**

Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	239994
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	99T61101
Start Date:	Not reported
Ownership Entity:	Not reported
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	U
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Not reported
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported

ANGELINO HEIGHTS (INCLUDES APN 5415-018-901) (Continued) **1026004453**

Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	2488
Below Poverty Percent:	25.83
Meidan Income:	7098
Meidan Income Number:	5467
Meidan Income Percent:	56.75
Vacant Housing Number:	296
Vacant Housing Percent:	8.11
Unemployed Number:	568
Unemployed Percent:	5.9

FINDS:
Registry ID: 110070629114

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

79
SE
1/8-1/4
0.216 mi.
1142 ft.

MWD HEADQUARTERS GARAGE
610 FIGUEROA TERRACE N
LOS ANGELES, CA 90012

LUST **S101296998**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Lower

Actual:
377 ft.

LUST:

Name:	MWD HEADQUARTERS GARAGE
Address:	610 FIGUEROA TERRACE N
City,State,Zip:	LOS ANGELES, CA 90012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700516
Global Id:	T0603700516
Latitude:	34.0651210100902
Longitude:	-118.247373104095
Status:	Completed - Case Closed
Status Date:	07/14/1997
Case Worker:	AS
RB Case Number:	900120207
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	05/22/1990
Leak Reported Date:	08/27/1990
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Other

MWD HEADQUARTERS GARAGE (Continued) **S101296998**

Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	07/14/1997
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	86-90%
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603700516
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	ADNAN SIDDIQUI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	asiddiqui@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603700516
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603700516
Action Type:	ENFORCEMENT
Date:	07/14/1997
Action:	Closure/No Further Action Letter

Global Id:	T0603700516
Action Type:	Other
Date:	05/22/1990
Action:	Leak Discovery

Global Id:	T0603700516
Action Type:	Other
Date:	08/27/1990
Action:	Leak Reported

LUST:

Global Id:	T0603700516
Status:	Open - Case Begin Date
Status Date:	05/22/1990

Global Id:	T0603700516
Status:	Open - Remediation
Status Date:	08/27/1990

MWD HEADQUARTERS GARAGE (Continued) **S101296998**

Global Id: T0603700516
Status: Completed - Case Closed
Status Date: 07/14/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120207
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700516
W Global ID: W0605100649
Staff: AS
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 5/22/1990
Date Leak First Reported: 8/27/1990
Date Leak Record Entered: 10/15/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/8/1997
Date the Case was Closed: 7/14/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 1368.8001801505874475615552008
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 8/27/1990
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: METROPOLITAN WATER DISTRICT
RP Address: 13191 CROSSROADS PKWY N.,STE 305,CITY OF INDUSTRY 91746-3497
Program: LUST
Lat/Long: 34.0625615 / -1

MWD HEADQUARTERS GARAGE (Continued) **S101296998**

Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: MWD REQUESTING CLOSURE 8-29-94. ASSIGNED TO NA FOR REVIEW. OLD CASE #101890-03 08/30/94-CASE ASSIGNED TO GN

CORTESE:
Name: MWD HEADQUARTERS GARAGE
Address: 610 FIGUEROA TERRACE N
City,State,Zip: LOS ANGELES, CA 90012
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603700516
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: MWD HEADQUARTERS GARAGE
edr_fadd1: 610 FIGUEROA TERRACE
City,State,Zip: LOS ANGELES, CA 90012
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120207

CERS:
Name: MWD HEADQUARTERS GARAGE
Address: 610 FIGUEROA TERRACE N
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 208228
CERS ID: T0603700516
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF

MWD HEADQUARTERS GARAGE (Continued) **S101296998**

Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ADNAN SIDDIQUI - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Q80 **UST** **U004299637**
North **1341 SUNSET BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.217 mi.
1146 ft. **Site 3 of 3 in cluster Q**

Relative:
Higher

Actual:
461 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	1341 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

---

81 **LA ECHO PARK CHILD CARE CENTER** **RCRA-SQG** **1000200891**
NW **1010 DOUGLAS ST** **FINDS** **CAD981988066**
1/8-1/4 **ECHO PARK, CA 90026** **ECHO**
0.223 mi.
1176 ft.

Relative:
Higher

Actual:
501 ft.

RCRA Listings:

Date Form Received by Agency:	19870325
Handler Name:	La Echo Park Child Care Center
Handler Address:	1010 DOUGLAS ST
Handler City,State,Zip:	ECHO PARK, CA 90026
EPA ID:	CAD981988066
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1010 DOUGLAS ST
Contact City,State,Zip:	ECHO PARK, CA 90026
Contact Telephone:	213-485-7527
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported

LA ECHO PARK CHILD CARE CENTER (Continued) **1000200891**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	3
Mailing Address:	200 N MAIN RM EIGHTH HUNDREDCH
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	City Of Los Angeles
Owner Type:	Municipal
Operator Name:	Not Required
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CITY OF LOS ANGELES	
Legal Status:	Municipal

LA ECHO PARK CHILD CARE CENTER (Continued) **1000200891**

Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19870325
Handler Name: LA ECHO PARK CHILD CARE CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002767113

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

LA ECHO PARK CHILD CARE CENTER (Continued) **1000200891**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000200891
Registry ID:	110002767113
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002767113
Name:	LA ECHO PARK CHILD CARE CENTER
Address:	1010 DOUGLAS ST
City,State,Zip:	ECHO PARK, CA 90026

R82 **SUNSET BUILDERS SUPPLY/HOME IMPROVE** **HAZMAT** **S123544648**
SSE **1029 W SUNSET BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.224 mi.
1183 ft. **Site 1 of 2 in cluster R**

Relative: **Lower**
Actual: **365 ft.**

LOS ANGELES HM:

Name:	SUNSET BUILDERS SUPPLY/HOME IMPROVE
Address:	1029 W SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0009627
Last Run Date:	11/01/2022
Status:	INACTIVE

S83 **CVS PHARMACY # 9674** **HAZNET** **S117311926**
South **1050 W SUNSET BLVD** **HAZMAT** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **HWTS**
0.231 mi.
1219 ft. **Site 1 of 3 in cluster S**

Relative: **Lower**
Actual: **359 ft.**

HAZNET:

Name:	CVS PHARMACY # 9674
Address:	1050 W SUNSET BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
Contact:	NICOLE WILKINSON
Telephone:	4017707132
Mailing Name:	Not reported
Mailing Address:	1 CVS DR MC2340
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.259
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

CVS PHARMACY # 9674 (Continued) **S117311926**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0135
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.243
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0155
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0035
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	MID980615298
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2021
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.0385
Year:	2020
Gepaid:	CAR000238139
TSD EPA ID:	MID980615298
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0005
Year:	2020
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

CVS PHARMACY # 9674 (Continued) **S117311926**

Tons:	0.5485
Year:	2020
Gepaid:	CAR000238139
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003

Click this hyperlink while viewing on your computer to access
67 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAR000238139
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D009,D010,

CVS PHARMACY # 9674 (Continued) **S117311926**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001,P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0475
Waste Quantity:	95
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020

CVS PHARMACY # 9674 (Continued) **S117311926**

Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.176
Waste Quantity:	352
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0665
Waste Quantity:	133
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAR000238139
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste

CVS PHARMACY # 9674 (Continued) **S117311926**

RCRA Code:	P001,P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.059
Waste Quantity:	118
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020

CVS PHARMACY # 9674 (Continued) **S117311926**

Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D009,D010,
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.176
Waste Quantity:	352
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0665
Waste Quantity:	133
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D007,D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0475
Waste Quantity:	95
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/12/2020
Creation Date:	9/21/2020
Receipt Date:	9/18/2020
Manifest ID:	014937224FLE
Trans EPA ID:	MNS000110924
Trans Name:	Stericycle Specialty Waste Solutions Inc
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Rho Chem LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	920554
Shipment Date:	9/25/2019
Receipt Date:	10/8/2019
Manifest Number:	013993840FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012-2102
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	920554

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	U129
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U205
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00800
Quantity Waste:	16.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	141
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05600
Quantity Waste:	112.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	6
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.03100
Quantity Waste:	62.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	920554

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.05100
Quantity Waste:	102.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	920554
Generator EPA ID:	CAR000238139
Shipment Date:	2019-09-25
Manifest Number:	013993840FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.05850
Quantity Waste:	117.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Shipment Date:	6/26/2020
Receipt Date:	7/2/2020
Manifest Number:	014937519FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012-2102
Telephone:	877-577-2669
Contact:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06950
Quantity Waste:	139.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.04200
Quantity Waste:	84.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U129

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.04200
Quantity Waste:	84.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U205

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U165
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	10

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024

State:

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06950
Quantity Waste:	139.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.04200
Quantity Waste:	84.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
State Code:	214
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID:	CAR000238139
Shipment Date:	2020-06-26
Manifest Number:	014937519FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 141

Year: 2020
EM Manifest ID: edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID: CAR000238139
Shipment Date: 2020-06-26
Manifest Number: 014937519FLE
Line Number: 10
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID: CAR000238139
Shipment Date: 2020-06-26
Manifest Number: 014937519FLE
Line Number: 11
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID: CAR000238139
Shipment Date: 2020-06-26
Manifest Number: 014937519FLE
Line Number: 12
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID: CAR000238139
Shipment Date: 2020-06-26
Manifest Number: 014937519FLE
Line Number: 13

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code: H141
Quantity Tons: 0.09700
Quantity Waste: 194.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: edab3a0e-0bd3-4f9b-9e1c-35b2f59326dc
Generator EPA ID: CAR000238139
Shipment Date: 2020-06-26
Manifest Number: 014937519FLE
Line Number: 14
Method Code: H141
Quantity Tons: 0.14200
Quantity Waste: 284.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Shipment Date: 3/30/2020
Receipt Date: 4/8/2020
Manifest Number: 014364211FLE
Generator EPA ID: CAR000238139
Name: CVS
Address: 1050 WEST SUNSET BOULEVARD
Address 2: Not reported
City: LOS ANGELES
Zip: 90012-2102
Telephone: 800-924-6804
Contact: Not reported
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC
TSDF Address 1: 425 Isis Ave.
TSDF Address 2: Not reported
TSDF City: Inglewood
TSDF Zip: 90301
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID: CAR000238139
Shipment Date: 2020-03-30
Manifest Number: 014364211FLE
Line Number: 1

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code:	H141
Quantity Tons:	0.04200
Quantity Waste:	84.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04200
Quantity Waste:	84.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04600
Quantity Waste:	92.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.04700
Quantity Waste:	94.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.04700
Quantity Waste:	94.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03450
Quantity Waste:	69.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U129

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.03450
Quantity Waste:	69.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U205

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03050
Quantity Waste:	61.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	P001
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U165
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID: CAR000238139
Shipment Date: 2020-03-30
Manifest Number: 014364211FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04200
Quantity Waste: 84.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2020
EM Manifest ID: 0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID: CAR000238139
Shipment Date: 2020-03-30
Manifest Number: 014364211FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.04600
Quantity Waste: 92.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: 0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID: CAR000238139
Shipment Date: 2020-03-30
Manifest Number: 014364211FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.04700
Quantity Waste: 94.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 311

Year: 2020
EM Manifest ID: 0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID: CAR000238139
Shipment Date: 2020-03-30
Manifest Number: 014364211FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	4
Method Code:	H141
Quantity Tons:	0.03450
Quantity Waste:	69.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03050
Quantity Waste:	61.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.07900
Quantity Waste:	158.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	0bc6e8e9-56a6-44fe-a274-5336ed4ffdba
Generator EPA ID:	CAR000238139
Shipment Date:	2020-03-30
Manifest Number:	014364211FLE
Line Number:	13
Method Code:	H141
Quantity Tons:	0.07600
Quantity Waste:	152.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	e8f717c5-a048-4ec8-ba8e-cda186ec65b8
Shipment Date:	11/25/2020
Receipt Date:	12/29/2020
Manifest Number:	014386817FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012-2102
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	313-824-5840
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	MID980615298
TSDF Name:	Petro Chem Processing Group of Nortru LLC
TSDF Address 1:	421 Lycaste St.
TSDF Address 2:	Not reported
TSDF City:	Detroit
TSDF Zip:	48214
TSDF Telephone:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Federal:

Year:	2020
EM Manifest ID:	e8f717c5-a048-4ec8-ba8e-cda186ec65b8
Generator EPA ID:	CAR000238139
Shipment Date:	2020-11-25
Manifest Number:	014386817FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U034

State:

Year:	2020
EM Manifest ID:	e8f717c5-a048-4ec8-ba8e-cda186ec65b8
Generator EPA ID:	CAR000238139
Shipment Date:	2020-11-25
Manifest Number:	014386817FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Detail Two:

Year:	2019
EM Manifest ID:	852126
Shipment Date:	9/25/2019
Receipt Date:	10/23/2019
Manifest Number:	013993839FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012-2102
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	317-275-7568
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000110197
TSDF Name:	Stericycle Environmental Solutions, Inc. Indianapolis
TSDF Address 1:	2770 Fortune Circle East
TSDF Address 2:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF City: Indianapolis
TSDF Zip: 46241
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 852126
Generator EPA ID: CAR000238139
Shipment Date: 2019-09-25
Manifest Number: 013993839FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 852126
Generator EPA ID: CAR000238139
Shipment Date: 2019-09-25
Manifest Number: 013993839FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 485399
Shipment Date: 7/26/2019
Receipt Date: 8/6/2019
Manifest Number: 011463670FLE
Generator EPA ID: CAR000238139
Name: CVS
Address: 1050 WEST SUNSET BOULEVARD
Address 2: Not reported
City: LOS ANGELES
Zip: 90012-2102
Telephone: 800-924-6804
Contact: Not reported
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF Address 1: 425 Isis Ave.
TSDF Address 2: Not reported
TSDF City: Inglewood
TSDF Zip: 90301
TSDF Telephone: Not reported

Federal:

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.03200
Quantity Waste: 64.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.02600
Quantity Waste: 52.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.02600
Quantity Waste: 52.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D010

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 3

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U002
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	U205
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D024

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 13
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 14
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE
Line Number: 14
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D010

State:
Year: 2019
EM Manifest ID: 485399
Generator EPA ID: CAR000238139
Shipment Date: 2019-07-26
Manifest Number: 011463670FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.03200
Quantity Waste:	64.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02600
Quantity Waste:	52.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01950
Quantity Waste:	39.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214
Year:	2019
EM Manifest ID:	485399

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	141

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.02300
Quantity Waste:	46.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	14
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	15
Method Code:	H141
Quantity Tons:	0.07150
Quantity Waste:	143.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	485399
Generator EPA ID:	CAR000238139
Shipment Date:	2019-07-26
Manifest Number:	011463670FLE
Line Number:	16
Method Code:	H141
Quantity Tons:	0.06950
Quantity Waste:	139.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 465647
Shipment Date: 5/20/2019
Receipt Date: 5/29/2019
Manifest Number: 013436881FLE
Generator EPA ID: CAR000238139
Name: CVS
Address: 1050 WEST SUNSET BOULEVARD
Address 2: Not reported
City: LOS ANGELES
Zip: 90012-2102
Telephone: 800-924-6804
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04450
Quantity Waste: 89.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U002

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 4

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U165

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 5
Method Code: H070
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.04450
Quantity Waste: 89.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 465647
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436881FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 214

Year: 2019
EM Manifest ID: 465647

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436881FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	465647
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436881FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	465647
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436881FLE
Line Number:	5
Method Code:	H070
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	141

Year:	2019
EM Manifest ID:	473842
Shipment Date:	5/20/2019
Receipt Date:	6/12/2019
Manifest Number:	013436880FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012-2102
Telephone:	800-924-6804
Contact:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02650
Quantity Waste:	53.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02650
Quantity Waste:	53.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01800
Quantity Waste:	36.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01800
Quantity Waste:	36.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U205

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	D002
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	8

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D010

Year: 2019
EM Manifest ID: 473842
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436880FLE
Line Number: 9
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: P001

State:
Year: 2019
EM Manifest ID: 473842
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436880FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.02650
Quantity Waste: 53.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 473842
Generator EPA ID: CAR000238139
Shipment Date: 2019-05-20
Manifest Number: 013436880FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00900
Quantity Waste: 18.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 473842

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01800
Quantity Waste:	36.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.04800
Quantity Waste:	96.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	473842
Generator EPA ID:	CAR000238139
Shipment Date:	2019-05-20
Manifest Number:	013436880FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.07100
Quantity Waste:	142.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	345970
Shipment Date:	3/21/2019
Receipt Date:	4/17/2019
Manifest Number:	013128632FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	345970
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128632FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	345970
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128632FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03200
Quantity Waste:	64.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	345970
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128632FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03200
Quantity Waste:	64.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002
Year:	2019
EM Manifest ID:	345970
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128632FLE
Line Number:	3
Method Code:	H070
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001
Year:	2019
EM Manifest ID:	345970
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128632FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 345970
Generator EPA ID: CAR000238139
Shipment Date: 2019-03-21
Manifest Number: 013128632FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.03250
Quantity Waste: 65.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 345970
Generator EPA ID: CAR000238139
Shipment Date: 2019-03-21
Manifest Number: 013128632FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.03200
Quantity Waste: 64.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2019
EM Manifest ID: 345970
Generator EPA ID: CAR000238139
Shipment Date: 2019-03-21
Manifest Number: 013128632FLE
Line Number: 3
Method Code: H070
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 141

Year: 2019
EM Manifest ID: 345970
Generator EPA ID: CAR000238139
Shipment Date: 2019-03-21
Manifest Number: 013128632FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	4
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Shipment Date:	3/21/2019
Receipt Date:	4/1/2019
Manifest Number:	013128631FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02850
Quantity Waste:	57.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.02850
Quantity Waste:	57.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U205
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P075

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

State:

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02850
Quantity Waste:	57.000000
Quantity Unit:	P
Number of Containers:	1

CVS PHARMACY # 9674 (Continued) **S117311926**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311
Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	9
Method Code:	H141
Quantity Tons:	0.05350
Quantity Waste:	107.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	8e0558cd-8d8d-450b-abaf-b72ea79133bc
Generator EPA ID:	CAR000238139
Shipment Date:	2019-03-21
Manifest Number:	013128631FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.04300
Quantity Waste:	86.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	889930
Shipment Date:	11/27/2019
Receipt Date:	12/9/2019
Manifest Number:	013995667FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012-2102
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U205

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	889930

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.06100
Quantity Waste:	122.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.06100
Quantity Waste:	122.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D009
Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D024
Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U129
Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: U205

State:
Year: 2019
EM Manifest ID: 889930
Generator EPA ID: CAR000238139
Shipment Date: 2019-11-27
Manifest Number: 013995667FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 889930
Generator EPA ID: CAR000238139
Shipment Date: 2019-11-27
Manifest Number: 013995667FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2019
EM Manifest ID: 889930
Generator EPA ID: CAR000238139
Shipment Date: 2019-11-27
Manifest Number: 013995667FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 141

Year: 2019
EM Manifest ID: 889930
Generator EPA ID: CAR000238139
Shipment Date: 2019-11-27
Manifest Number: 013995667FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	4
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	889930

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.06100
Quantity Waste:	122.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.03250
Quantity Waste:	65.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03150
Quantity Waste:	63.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	311

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.05300
Quantity Waste:	106.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	889930
Generator EPA ID:	CAR000238139
Shipment Date:	2019-11-27
Manifest Number:	013995667FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.08450
Quantity Waste:	169.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	266879
Shipment Date:	1/14/2019
Receipt Date:	2/7/2019
Manifest Number:	010172547FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	266879
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172547FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2019
EM Manifest ID:	266879
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172547FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	266879
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172547FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U002

State:

Year:	2019
EM Manifest ID:	266879
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172547FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	266879
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172547FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1

CVS PHARMACY # 9674 (Continued) **S117311926**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	254915
Shipment Date:	1/14/2019
Receipt Date:	1/24/2019
Manifest Number:	010172546FLE
Generator EPA ID:	CAR000238139
Name:	CVS
Address:	1050 WEST SUNSET BOULEVARD
Address 2:	Not reported
City:	LOS ANGELES
Zip:	90012
Telephone:	800-924-6804
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.13150
Quantity Waste:	263.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U129

Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.13150
Quantity Waste:	263.000000
Quantity Unit:	P
Number of Containers:	2

CVS PHARMACY # 9674 (Continued) **S117311926**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	U205
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03800
Quantity Waste:	76.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.03800
Quantity Waste:	76.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	P001
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D024
Year:	2019
EM Manifest ID:	254915
Generator EPA ID:	CAR000238139
Shipment Date:	2019-01-14
Manifest Number:	010172546FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number: 5
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2019
EM Manifest ID: 254915
Generator EPA ID: CAR000238139
Shipment Date: 2019-01-14
Manifest Number: 010172546FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D010

State:
Year: 2019
EM Manifest ID: 254915
Generator EPA ID: CAR000238139
Shipment Date: 2019-01-14
Manifest Number: 010172546FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.13150
Quantity Waste: 263.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 254915
Generator EPA ID: CAR000238139
Shipment Date: 2019-01-14
Manifest Number: 010172546FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.03800
Quantity Waste: 76.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2019

CVS PHARMACY # 9674 (Continued) **S117311926**

EM Manifest ID: 254915
Generator EPA ID: CAR000238139
Shipment Date: 2019-01-14
Manifest Number: 010172546FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 254915
Generator EPA ID: CAR000238139
Shipment Date: 2019-01-14
Manifest Number: 010172546FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Year: 2019
EM Manifest ID: 254915
Generator EPA ID: CAR000238139
Shipment Date: 2019-01-14
Manifest Number: 010172546FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 311

Detail Two:
Year: 2018
EM Manifest ID: 009308750FLE20170825_D_1
Shipment Date: 8/25/2017
Receipt Date: 9/1/2017
Manifest Number: 009308750FLE
Generator EPA ID: CAR000238139
Name: CVS #9674
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	NULL
Federal Code:	P001
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.12950
Quantity Waste:	259.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.12950
Quantity Waste:	259.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.12950
Quantity Waste:	259.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U129
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.12950
Quantity Waste:	259.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U205
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05350
Quantity Waste:	107.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05350
Quantity Waste:	107.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	6

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code:	H141
Quantity Tons:	0.02850
Quantity Waste:	57.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.12950
Quantity Waste:	259.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.05350
Quantity Waste:	107.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02850
Quantity Waste:	57.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	009308750FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308750FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2018
EM Manifest ID:	009308749FLE20170825_D_1
Shipment Date:	8/25/2017
Receipt Date:	10/4/2017
Manifest Number:	009308749FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000110197
TSDF Name:	STERICYCLE INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	009308749FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308749FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	009308749FLE20170825_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-08-25
Manifest Number:	009308749FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Shipment Date:	6/19/2017
Receipt Date:	6/26/2017
Manifest Number:	009308483FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018

CVS PHARMACY # 9674 (Continued) **S117311926**

EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009

Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL

CVS PHARMACY # 9674 (Continued) **S117311926**

Federal Code:	P075
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.19500
Quantity Waste:	390.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.19500
Quantity Waste:	390.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.19500
Quantity Waste:	390.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U129
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.19500
Quantity Waste:	390.000000
Quantity Unit:	P

CVS PHARMACY # 9674 (Continued) **S117311926**

Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
Federal Code: U205

Year: 2018
EM Manifest ID: 009308483FLE20170619_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-06-19
Manifest Number: 009308483FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.04300
Quantity Waste: 86.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 009308483FLE20170619_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-06-19
Manifest Number: 009308483FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.04300
Quantity Waste: 86.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

State:
Year: 2018
EM Manifest ID: 009308483FLE20170619_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-06-19
Manifest Number: 009308483FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 009308483FLE20170619_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-06-19
Manifest Number: 009308483FLE
Line Number: 2

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.19500
Quantity Waste:	390.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	009308483FLE20170619_D_1
Generator EPA ID:	CAR000238139

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	2017-06-19
Manifest Number:	009308483FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.04300
Quantity Waste:	86.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Shipment Date:	5/3/2018
Receipt Date:	6/28/2018
Manifest Number:	011315707FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04600
Quantity Waste:	92.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	3
Method Code:	H070
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

CVS PHARMACY # 9674 (Continued) **S117311926**

State:

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04600
Quantity Waste:	92.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	3
Method Code:	H070
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	011315707FLE20180503_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-05-03
Manifest Number:	011315707FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1

CVS PHARMACY # 9674 (Continued) **S117311926**

Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Shipment Date:	4/15/2017
Receipt Date:	4/19/2017
Manifest Number:	009359836FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAD008364432
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03550
Quantity Waste:	71.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03550
Quantity Waste:	71.000000
Quantity Unit:	P
Number of Containers:	1

CVS PHARMACY # 9674 (Continued) **S117311926**

Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00250

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U165
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.02450
Quantity Waste:	49.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02200
Quantity Waste:	44.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U129
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.02200
Quantity Waste:	44.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U205
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number: 7
Method Code: H141
Quantity Tons: 0.05800
Quantity Waste: 116.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.05800
Quantity Waste: 116.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 8
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: P001

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 9
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

State:

Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03550
Quantity Waste:	71.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

CVS PHARMACY # 9674 (Continued) **S117311926**

State Code: 122

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 5
Method Code: H141
Quantity Tons: 0.02450
Quantity Waste: 49.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 141

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 6
Method Code: H141
Quantity Tons: 0.02200
Quantity Waste: 44.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 009359836FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359836FLE
Line Number: 7
Method Code: H141
Quantity Tons: 0.05800
Quantity Waste: 116.000000
Quantity Unit: P

CVS PHARMACY # 9674 (Continued) **S117311926**

Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03600
Quantity Waste:	72.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181
Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	11
Method Code:	H141

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Tons:	0.06550
Quantity Waste:	131.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.05050
Quantity Waste:	101.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	009359836FLE20170415_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-04-15
Manifest Number:	009359836FLE
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	009359835FLE20170415_D_1
Shipment Date:	4/15/2017
Receipt Date:	5/10/2017
Manifest Number:	009359835FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAD008364432
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF EPA ID: INR000110197
TSDF Name: STERICYCLE INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 009359835FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359835FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 009359835FLE20170415_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-04-15
Manifest Number: 009359835FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 011407946FLE20180301_D_1
Shipment Date: 3/1/2018
Receipt Date: 3/12/2018
Manifest Number: 011407946FLE
Generator EPA ID: CAR000238139
Name: CVS #9674
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06550
Quantity Waste:	131.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06550
Quantity Waste:	131.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03450
Quantity Waste:	69.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

CVS PHARMACY # 9674 (Continued) **S117311926**

State:

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.06550
Quantity Waste:	131.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.07450
Quantity Waste:	149.000000
Quantity Unit:	P
Number of Containers:	1

CVS PHARMACY # 9674 (Continued) **S117311926**

Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.03450
Quantity Waste:	69.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	011407946FLE20180301_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2018-03-01
Manifest Number:	011407946FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.06100
Quantity Waste:	122.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	011407945FLE20180301_D_1
Shipment Date:	3/1/2018
Receipt Date:	3/21/2018
Manifest Number:	011407945FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000110197
TSDF Name:	STERICYCLE INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 011407945FLE20180301_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2018-03-01
Manifest Number: 011407945FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 011407945FLE20180301_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2018-03-01
Manifest Number: 011407945FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 311

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Shipment Date: 12/29/2017
Receipt Date: 1/8/2018
Manifest Number: 011324679FLE
Generator EPA ID: CAR000238139
Name: CVS #9674
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217554
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: RHO CHEM LLC

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 3

CVS PHARMACY # 9674 (Continued) **S117311926**

Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D024
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D007
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D010
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U165

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P075

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	P001

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	NULL
Federal Code:	D009
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	U002
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03050
Quantity Waste:	61.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.02750
Quantity Waste:	55.000000

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 11
Method Code: H141
Quantity Tons: 0.02750
Quantity Waste: 55.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D010

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 12
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE
Line Number: 13
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 011324679FLE20171229_D_1
Generator EPA ID: CAR000238139
Shipment Date: 2017-12-29
Manifest Number: 011324679FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1

CVS PHARMACY # 9674 (Continued) **S117311926**

Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	6
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	7
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	8
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

CVS PHARMACY # 9674 (Continued) **S117311926**

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	9
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	10
Method Code:	H141
Quantity Tons:	0.03050
Quantity Waste:	61.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	11
Method Code:	H141
Quantity Tons:	0.02750
Quantity Waste:	55.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	12
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Type:	NULL
State Code:	214
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	13
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	14
Method Code:	H141
Quantity Tons:	0.05850
Quantity Waste:	117.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	011324679FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324679FLE
Line Number:	15
Method Code:	H141
Quantity Tons:	0.04350
Quantity Waste:	87.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331
Year:	2018
EM Manifest ID:	011324676FLE20171229_D_1
Shipment Date:	12/29/2017
Receipt Date:	1/17/2018
Manifest Number:	011324676FLE
Generator EPA ID:	CAR000238139
Name:	CVS #9674
Address:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000110197
TSDF Name:	STERICYCLE INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011324676FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324676FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	011324676FLE20171229_D_1
Generator EPA ID:	CAR000238139
Shipment Date:	2017-12-29
Manifest Number:	011324676FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	311

Additional Info:

Year:	2017
Gen EPA ID:	CAR000238139
Shipment Date:	20171229
Creation Date:	9/27/2018 18:30:12

CVS PHARMACY # 9674 (Continued) **S117311926**

Receipt Date:	20180108
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D024
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D009
Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171229
Creation Date:	9/27/2018 18:30:12
Receipt Date:	20180108
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0435
Waste Quantity:	87
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0585
Waste Quantity:	117
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

CVS PHARMACY # 9674 (Continued) **S117311926**

Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0305
Waste Quantity:	61
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0235
Waste Quantity:	47
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171229
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	011324679FLE
Trans EPA ID:	MNS000110924

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000238139
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	U205
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P
Additional Code 1:	U129
Additional Code 2:	D024
Additional Code 3:	D009
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151214
Manifest ID:	008505205FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151214
Manifest ID:	008505205FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

CVS PHARMACY # 9674 (Continued) **S117311926**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1245
Waste Quantity:	249
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.044
Waste Quantity:	88
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0545
Waste Quantity:	109
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150924
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20150930
Manifest ID:	008506341FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	42
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150924
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20150930
Manifest ID:	008506341FLE

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0515
Waste Quantity:	103
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150924
Creation Date:	12/15/2015 22:15:14
Receipt Date:	20150930
Manifest ID:	008506341FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000238139
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.044
Waste Quantity:	88
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0545
Waste Quantity:	109
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	U205

CVS PHARMACY # 9674 (Continued) **S117311926**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P
Additional Code 1:	U129
Additional Code 2:	D024
Additional Code 3:	D009
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151201
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151214
Manifest ID:	008505205FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008505206FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1245
Waste Quantity:	249
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151120
Creation Date:	9/29/2016 18:33:11
Receipt Date:	20151214
Manifest ID:	008505205FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150924
Creation Date:	Not reported
Receipt Date:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Manifest ID:	008506341FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.082
Waste Quantity:	164
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150924
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008506341FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0295
Waste Quantity:	59
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150924
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008506341FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC

CVS PHARMACY # 9674 (Continued) **S117311926**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0885
Waste Quantity:	177
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000238139
Shipment Date:	20141119
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1245
Waste Quantity:	249
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141126
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141126
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141126
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	D001

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.051
Waste Quantity:	102
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141215
Manifest ID:	005138832FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P075
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	P001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141119
Creation Date:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Receipt Date:	Not reported
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.069
Waste Quantity:	138
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141119
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141215
Manifest ID:	005138832FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	D010
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141119
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141215
Manifest ID:	005138832FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHO CHEM LLC
TSDF EPA ID:	INR000110197

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	P001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141119
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141126
Manifest ID:	005138833FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000238139

Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	4/15/2014 22:15:05
Receipt Date:	20131209
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D009
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045

CVS PHARMACY # 9674 (Continued) **S117311926**

Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CVS PHARMACY # 9674 (Continued) **S117311926**

Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	561 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0805
Waste Quantity:	161
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197

CVS PHARMACY # 9674 (Continued) **S117311926**

Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131121
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006273293FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	INR000110197
Trans Name:	STERICYCLE INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P

CVS PHARMACY # 9674 (Continued) **S117311926**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

LOS ANGELES HM:
Name: CVS PHARMACY #9674
Address: 1050 W SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0030553
Last Run Date: 11/01/2022
Status: INACTIVE

HWTS:
Name: CVS PHARMACY # 9674
Address: 1050 W SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAR000238139
Inactive Date: Not reported
Create Date: 06/10/2013
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1 CVS DR MC2340
Mailing Address 2: Not reported
Mailing City,State,Zip: WOONSOCKET, RI 2895
Owner Name: LONGS DRUG STORES CALIFORNIA LLC
Owner Address: 1 CVS DR MC 2340
Owner Address 2: Not reported
Owner City,State,Zip: WOONSOCKET, RI 2895
Contact Name: NICOLE WILKINSON
Contact Address: 1 CVS DRIVE
Contact Address 2: Not reported
City,State,Zip: WOONSOCKET, RI 28956146
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 34.06442
Longitude: -118.24891

S84 **CVS PHARMACY # 9674** **RCRA-LQG** **1016140188**
South **1050 WEST SUNSET BOULEVARD** **FINDS** **CAR000238139**
1/8-1/4 **LOS ANGELES, CA 90012** **ECHO**
0.231 mi.
1219 ft. **Site 2 of 3 in cluster S**

Relative:
Lower

Actual:
359 ft.

RCRA Listings:
Date Form Received by Agency: 20220215
Handler Name: Cvs Pharmacy # 9674
Handler Address: 1050 WEST SUNSET BOULEVARD
Handler City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAR000238139
Contact Name: NICOLE WILKINSON
Contact Address: CVS DR MC2340
Contact City,State,Zip: WOONSOCKET, RI 02895
Contact Telephone: 401-770-7132

CVS PHARMACY # 9674 (Continued) **1016140188**

Contact Fax:	Not reported
Contact Email:	NICOLE.WILKINSON@CVSHEALTH.COM
Contact Title:	SENIOR DIRECTOR, CORPORATE ENVIRONMENTAL HEAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CVS DRIVE MC2340
Mailing City,State,Zip:	WOONSOCKET, RI 02895
Owner Name:	M4 Properties/Don Bowers Joint Venture
Owner Type:	Private
Operator Name:	Garfield Beach Cvs, L.L.C.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220613
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

CVS PHARMACY # 9674 (Continued) **1016140188**

Sub-Part P Indicator: No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

CVS PHARMACY # 9674 (Continued) **1016140188**

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D025
Waste Description: P-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P042
Waste Description: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: P081
Waste Description: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste Code: P188
Waste Description: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U010
Waste Description: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

Waste Code: U031
Waste Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

CVS PHARMACY # 9674 (Continued) **1016140188**

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U035
Waste Description: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U058
Waste Description: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste Code: U059
Waste Description: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

Waste Code: U070
Waste Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U089
Waste Description: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U132
Waste Description: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U200
Waste Description: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,

CVS PHARMACY # 9674 (Continued) **1016140188**

(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U204
Waste Description: SELENIOUS ACID (OR) SELENIUM DIOXIDE

Waste Code: U205
Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

Waste Code: U206
Waste Description: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U279
Waste Description: U279

Waste Code: U411
Waste Description: U411

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: M-4 PROPERTIES/ DON BOWERS JOINT VENTURE
Legal Status: Private
Date Became Current: 19960717
Date Ended Current: Not reported
Owner/Operator Address: 444 S FLOWER ST STE 1200
Owner/Operator City,State,Zip: LOS ANGELES, CA 90071
Owner/Operator Telephone: 213-614-6171
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GARFIELD BEACH CVS, L.L.C.
Legal Status: Private
Date Became Current: 20060602
Date Ended Current: Not reported
Owner/Operator Address: 1 CVS DRIVE
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895
Owner/Operator Telephone: 401-765-1500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: GARFIELD BEACH CVS, L.L.C.
Legal Status: Private
Date Became Current: 20060602
Date Ended Current: Not reported
Owner/Operator Address: 1 CVS DR MC2340
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895

CVS PHARMACY # 9674 (Continued) **1016140188**

Owner/Operator Telephone: 401-765-1500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: GARFIELD BEACH CVS LLC
Legal Status: Private
Date Became Current: 20060602
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GARFIELD BEACH CVS, L.L.C.
Legal Status: Private
Date Became Current: 20060602
Date Ended Current: Not reported
Owner/Operator Address: 1 CVS DRIVE
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895
Owner/Operator Telephone: 401-765-1500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: M4 PROPERTIES DON BOWERS JOINT VENTURE
Legal Status: Private
Date Became Current: 19960717
Date Ended Current: Not reported
Owner/Operator Address: 444 S FLOWER ST
Owner/Operator City,State,Zip: LOS ANGELES, CA 90071
Owner/Operator Telephone: 213-614-6171
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GARFIELD BEACH CVS LLC
Legal Status: Private
Date Became Current: 20060602
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: M4 PROPERTIES/DON BOWERS JOINT VENTURE
Legal Status: Private
Date Became Current: 19960717

CVS PHARMACY # 9674 (Continued) **1016140188**

Date Ended Current: Not reported
Owner/Operator Address: 444 S FLOWER ST, ST. STE.1200
Owner/Operator City,State,Zip: LOS ANGELES, CA 90071
Owner/Operator Telephone: 213-614-6171
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NICOLE.WILKINSON@CVSHEALTH.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: M4 PROPERTIES/DON BOWERS JOINT VENTURE
Legal Status: Private
Date Became Current: 19960717
Date Ended Current: Not reported
Owner/Operator Address: 444 S FLOWER ST, ST. STE.1200
Owner/Operator City,State,Zip: LOS ANGELES, CA 90071
Owner/Operator Telephone: 213-614-6171
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: NICOLE.WILKINSON@CVSHEALTH.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: M4 PROPERTIES/DON BOWERS JOINT VENTURE
Legal Status: Private
Date Became Current: 19960717
Date Ended Current: Not reported
Owner/Operator Address: 444 S FLOWER ST, ST. STE.1200
Owner/Operator City,State,Zip: LOS ANGELES, CA 90071
Owner/Operator Telephone: 401-765-1500
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM

Historic Generators:
Receive Date: 20140325
Handler Name: CVS PHARMACY #9674
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180301
Handler Name: CVS PHARMACY # 9674
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No

CVS PHARMACY # 9674 (Continued) **1016140188**

Electronic Manifest Broker: No

Receive Date: 20200218
Handler Name: CVS PHARMACY # 9674
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220215
Handler Name: CVS PHARMACY # 9674
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20130327
Handler Name: CVS PHARMACY NO 9674
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported

CVS PHARMACY # 9674 (Continued) **1016140188**

Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20211103
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: CUPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:
Registry ID: 110055428657

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

CVS PHARMACY # 9674 (Continued) **1016140188**

corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER
STATE MASTER

Click this hyperlink while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016140188
Registry ID:	110055428657
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055428657
Name:	CVS PHARMACY # 9674
Address:	1050 WEST SUNSET BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90012

S85 **CVS PHARMACY #9674** **CERS HAZ WASTE** **S113086546**
South **1050 SUNSET BLVD** **HAZNET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **HWTS**
0.231 mi.
1219 ft. **Site 3 of 3 in cluster S**

Relative: **Lower**
Actual: **359 ft.**

CERS HAZ WASTE:

Name:	CVS PHARMACY #9674
Address:	1050 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	109624
CERS ID:	10254187
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	109624
Site Name:	CVS PHARMACY #9674
Violation Date:	04-26-2016
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes:	Returned to compliance on 04/28/2016. OBSERVATION: HAZARDOUS WASTE CONTAINERS WERE STACKED UP ABOUT 9 FEET HIGH. Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or release of hazardous waste to air, soil, or surface water. CORRECTIVE ACTION: PROPERLY STORE HAZARDOUS WASTE, and manage according to Title 22 hazardous waste regulations.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	109624
Site Name:	CVS PHARMACY #9674
Violation Date:	04-26-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

CVS PHARMACY #9674 (Continued) **S113086546**

Violation Notes: Returned to compliance on 04/28/2016. OBSERVATION: MISSING ACCUMULATION DATE ON PHARMACY WASTE AT PHARMACY SECTION. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 109624
Site Name: CVS PHARMACY #9674
Violation Date: 04-11-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/07/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: David Masuku - Store Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: "Consent to enter, inspect and take photographs was given by: Samson Tegegne The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. As a reminder, you must complete [Truncated]
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

CVS PHARMACY #9674 (Continued) **S113086546**

Eval General Type: Other/Unknown
Eval Date: 04-28-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Esaul Placencia, Operations Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-07-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SITE NO LONGER QUALIFIES FOR PARTICIPATION IN THE HAZMAT PROGRAM. THERE ONLY INVENTORY ITEM IS HELIUM, A SIMPLE ASPHYXIANT AND FALLS WELL BELOW THE 1000 CUBIC FT EXEMPTION. ALL VIOLATIONS CLEARED IN ECR AND REFEERAL MADE TO DMU TO REMOVE THE FROM THE PROGRAM.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by SAMSON TEGEGNE - MANAGER. SAMSON.TEGEGNE@CVSCAREMARK.COM. Observed the facility and inspected hazardous materials storage. Annual employee safety training records were maintained. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents (electronically)within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jose Doria, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

CVS PHARMACY #9674 (Continued) **S113086546**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Services/CVS
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Court, Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	CVS Health, Attn: Erin Chilinski, One CVS Drive MC 1160
Affiliation City:	Woonsocket
Affiliation State:	RI
Affiliation Country:	Not reported
Affiliation Zip:	02895
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(401) 765-1500,

Affiliation Type Desc:	Document Preparer
Entity Name:	Karina Romero, Agent for Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Karina Romero, Agent for Garfield Beach CVS, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

CVS PHARMACY #9674 (Continued) **S113086546**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Garfield Beach CVS, L.L.C.
Entity Title:	Not reported
Affiliation Address:	One CVS Drive
Affiliation City:	Woonsocket
Affiliation State:	RI
Affiliation Country:	United States
Affiliation Zip:	02895
Affiliation Phone:	(401) 765-1500,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CVS Health
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	M-4 Properties/Don Bowers Joint Venture
Entity Title:	Not reported
Affiliation Address:	444 S. Flower St, Ste. 1200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90071
Affiliation Phone:	(213) 614-6171,
Name:	CVS PHARMACY #9674
Address:	1050 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	109624
CERS ID:	10254187
CERS Description:	RCRA LQ HW Generator

Violations:

Site ID:	109624
Site Name:	CVS PHARMACY #9674
Violation Date:	04-26-2016
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes:	Returned to compliance on 04/28/2016. OBSERVATION: HAZARDOUS WASTE CONTAINERS WERE STACKED UP ABOUT 9 FEET HIGH. Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or release of hazardous waste to air, soil, or surface water. CORRECTIVE ACTION: PROPERLY STORE HAZARDOUS WASTE, and manage

CVS PHARMACY #9674 (Continued) **S113086546**

according to Title 22 hazardous waste regulations.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 109624
Site Name: CVS PHARMACY #9674
Violation Date: 04-26-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/28/2016. OBSERVATION: MISSING ACCUMULATION DATE ON PHARMACY WASTE AT PHARMACY SECTION. All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 109624
Site Name: CVS PHARMACY #9674
Violation Date: 04-11-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/07/2019.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-03-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: David Masuku - Store Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: "Consent to enter, inspect and take photographs was given by: Samson Tegegne The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were

CVS PHARMACY #9674 (Continued) **S113086546**

reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into CERS is required between January 1 and March 1 of every year. Please remember that any change in inventory of greater than 100 percent will require new submission within 30 days of that change. As a reminder, you must complete [Truncated]

Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-28-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Esaul Placencia, Operations Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 06-07-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: SITE NO LONGER QUALIFIES FOR PARTICIPATION IN THE HAZMAT PROGRAM. THERE ONLY INVENTORY ITEM IS HELIUM, A SIMPLE ASPHYXIANT AND FALLS WELL BELOW THE 1000 CUBIC FT EXEMPTION. ALL VIOLATIONS CLEARED IN ECR AND REFEERAL MADE TO DMU TO REMOVE THE FROM THE PROGRAM.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: On site for routine hazardous materials and business emergency plan inspection. Consent to enter and inspect was given by SAMSON TEGEGNE - MANAGER. SAMSON.TEGEGNE@CVSCAREMARK.COM. Observed the facility and inspected hazardous materials storage. Annual employee safety training records were maintained. The facility is responsible for identifying all hazardous materials, to include hazardous wastes, which are above disclosure thresholds. If there is a change in the type or amount of chemicals that are maintained on site, please submit revised documents

CVS PHARMACY #9674 (Continued) **S113086546**

(electronically)within 30 days of the change.
Eval Division: Los Angeles City Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Jose Doria, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Environmental Contact
Entity Name: Verisk 3E, Regulatory Services/CVS
Entity Title: Not reported
Affiliation Address: 3207 Grey Hawk Court, Suite 200
Affiliation City: Carlsbad
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92010
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: CVS Health, Attn: Erin Chilinski, One CVS Drive MC 1160
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: Not reported
Affiliation Zip: 02895
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Garfield Beach CVS, L.L.C.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (401) 765-1500,

Affiliation Type Desc: Document Preparer
Entity Name: Karina Romero, Agent for Garfield Beach CVS, L.L.C.

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Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Karina Romero, Agent for Garfield Beach CVS, L.L.C.
Entity Title: Regulatory Compliance Specialist, Verisk 3E
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Garfield Beach CVS, L.L.C.
Entity Title: Not reported
Affiliation Address: One CVS Drive
Affiliation City: Woonsocket
Affiliation State: RI
Affiliation Country: United States
Affiliation Zip: 02895
Affiliation Phone: (401) 765-1500,

Affiliation Type Desc: Parent Corporation
Entity Name: CVS Health
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: M-4 Properties/Don Bowers Joint Venture
Entity Title: Not reported
Affiliation Address: 444 S. Flower St, Ste. 1200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90071
Affiliation Phone: (213) 614-6171,

HAZNET:
Name: SAV ON DRUG 9674
Address: 1050 SUNSET BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900120000
Contact: LAURA SUMMERS - ENV COMPL MGR
Telephone: 2083955245
Mailing Name: Not reported

CVS PHARMACY #9674 (Continued) **S113086546**

Mailing Address: PO BOX 20 DEPT 72405

Year: 2006
Gepaid: CAL000161938
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H01 - Transfer Station
Tons: 0.045

Year: 2005
Gepaid: CAL000161938
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H01 - Transfer Station
Tons: 0.105

Year: 2004
Gepaid: CAL000161938
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H01 - Transfer Station
Tons: 0.135

Year: 1999
Gepaid: CAL000161938
TSD EPA ID: CAD981402522
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.025

Year: 1999
Gepaid: CAL000161938
TSD EPA ID: CA0000084517
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.195

Year: 1998
Gepaid: CAL000161938
TSD EPA ID: CAD981402522
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.08

Additional Info:
Year: 2006
Gen EPA ID: CAL000161938

Shipment Date: 20060508
Creation Date: 8/11/2006 18:33:03
Receipt Date: 20060509
Manifest ID: 24956617
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

CVS PHARMACY #9674 (Continued) **S113086546**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060308
Creation Date:	7/14/2006 18:30:33
Receipt Date:	20060308
Manifest ID:	24580213
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060113
Creation Date:	6/22/2006 18:32:46
Receipt Date:	20060113
Manifest ID:	24579603
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30

CVS PHARMACY #9674 (Continued) **S113086546**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000161938
Shipment Date:	20051114
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051114
Manifest ID:	24587694
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051014
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051017
Manifest ID:	24583760
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CVS PHARMACY #9674 (Continued) **S113086546**

Additional Code 5:	Not reported
Shipment Date:	20050725
Creation Date:	10/11/2005 18:32:36
Receipt Date:	20050725
Manifest ID:	24586987
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050606
Creation Date:	9/16/2005 18:31:41
Receipt Date:	20050606
Manifest ID:	23785558
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050429
Creation Date:	7/21/2005 18:32:26
Receipt Date:	20050429
Manifest ID:	23767573
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported

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Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050301
Creation Date:	4/29/2005 11:28:07
Receipt Date:	20050301
Manifest ID:	23773009
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050121
Creation Date:	6/3/2005 18:31:06
Receipt Date:	20050121
Manifest ID:	23778026
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015

CVS PHARMACY #9674 (Continued) **S113086546**

Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000161938
Shipment Date:	20041203
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041203
Manifest ID:	23775078
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041027
Creation Date:	1/11/2005 18:30:51
Receipt Date:	20041027
Manifest ID:	23773754
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

CVS PHARMACY #9674 (Continued) **S113086546**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040827
Creation Date:	1/6/2005 18:30:52
Receipt Date:	20040827
Manifest ID:	23770102
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040726
Creation Date:	11/1/2004 12:36:11
Receipt Date:	20040726
Manifest ID:	23770947
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040628
Creation Date:	11/1/2004 9:00:46
Receipt Date:	20040628
Manifest ID:	22804090
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM

CVS PHARMACY #9674 (Continued) **S113086546**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040519
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040519
Manifest ID:	21720689
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040423
Creation Date:	10/14/2004 7:49:48
Receipt Date:	20040423
Manifest ID:	22785973
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station

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Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040116
Creation Date:	8/13/2004 7:53:20
Receipt Date:	20040116
Manifest ID:	22099102
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000161938
Shipment Date:	19990427
Creation Date:	7/7/1999 0:00:00
Receipt Date:	19990428
Manifest ID:	99272097
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	Not reported
TSDF Alt EPA ID:	CA0000084517
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

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Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990129
Creation Date:	3/17/1999 0:00:00
Receipt Date:	19990204
Manifest ID:	98471535
Trans EPA ID:	CAD982433575
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000161938
Shipment Date:	19981102
Creation Date:	12/17/1998 0:00:00
Receipt Date:	19981105
Manifest ID:	98582010
Trans EPA ID:	CAD982433575
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980709

CVS PHARMACY #9674 (Continued) **S113086546**

Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980713
Manifest ID:	98580433
Trans EPA ID:	CAD982433575
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980429
Creation Date:	6/26/1998 0:00:00
Receipt Date:	19980504
Manifest ID:	97267110
Trans EPA ID:	CAD982433575
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981402522
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SAV ON DRUG 9674
Address:	1050 SUNSET BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAL000161938
Inactive Date:	07/01/2006
Create Date:	09/08/1997
Last Act Date:	Not reported
Mailing Name:	Not reported

CVS PHARMACY #9674 (Continued) **S113086546**

Mailing Address:	PO BOX 20 DEPT 72405
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BOISE, ID 837260000
Owner Name:	AMERICAN DRUG STORES INC
Owner Address:	PO BOX 20 DEPT 72405
Owner Address 2:	Not reported
Owner City,State,Zip:	BOISE, ID 837260000
Contact Name:	LAURA SUMMERS - ENV COMPL MGR
Contact Address:	PO BOX 20 DEPT 72405
Contact Address 2:	Not reported
City,State,Zip:	BOISE, ID 837260000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.0651
Longitude:	-118.249141

T86 **PENN, INC** **HAZMAT** **S123549127**
SW **1201 W TEMPLE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.236 mi.
1244 ft. **Site 1 of 2 in cluster T**

Relative: **Lower**
Actual: **401 ft.**

LOS ANGELES HM:

Name:	PENN, INC
Address:	1201 W TEMPLE ST
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	FA0024564
Last Run Date:	11/01/2022
Status:	INACTIVE

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87 **YUCATAN AUTO SERVICES** **HAZMAT** **S123550995**
WSW **1243 W TEMPLE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.239 mi.
1262 ft.

Relative: **Higher**
Actual: **414 ft.**

LOS ANGELES HM:

Name:	YUCATAN AUTO SERVICES
Address:	1243 W TEMPLE ST
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	FA0032664
Last Run Date:	11/01/2022
Status:	INACTIVE

T88 **VIERTELS AUTOMOTIVE SERVICE** **RCRA-SQG** **1000857795**
SSW **1155 W TEMPLE ST** **CERS HAZ WASTE** **CAD983672429**
1/8-1/4 **LOS ANGELES, CA 90012** **FINDS**
0.242 mi. **ECHO**
1279 ft. **Site 2 of 2 in cluster T** **HAZMAT**
CERS

Relative:
Lower

Actual:
384 ft.

RCRA Listings:

Date Form Received by Agency:	19930722
Handler Name:	Viertels Automotive Service
Handler Address:	1155 W TEMPLE ST
Handler City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAD983672429
Contact Name:	ROBERT JONES
Contact Address:	1155 W TEMPLE ST
Contact City,State,Zip:	LOS ANGELES, CA 90012
Contact Telephone:	213-250-0143
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	W TEMPLE ST
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	Robert Jones
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROBERT JONES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1155 W TEMPLE ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	213-250-0143
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19930722
Handler Name: VIERTELS AUTOMOTIVE SERVICE	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

CERS HAZ WASTE:
Name: VIERTELS AUTO SERVICE INC
Address: 1155 W TEMPLE ST
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 83397
CERS ID: 10244011
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110002902280

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000857795
Registry ID: 110002902280
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002902280
Name: VIERTELS AUTOMOTIVE SERVICE
Address: 1155 W TEMPLE ST
City,State,Zip: LOS ANGELES, CA 90012

LOS ANGELES HM:
Name: VIERTELS AUTO SERVICE
Address: 1155 W TEMPLE ST
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0009753
Last Run Date: 11/01/2022
Status: ACTIVE

CERS:
Name: VIERTELS AUTO SERVICE INC
Address: 1155 W TEMPLE ST
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 83397
CERS ID: 10244011
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	01-17-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	09-15-2021
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Review, update and resubmit the Hazardous Materials Inventory into CERS to include all hazardous material stored in a capacity equal to or greater than 55 gallons of liquid, 200 cubic feet of compressed gas or 500 pounds in weight of a solid. Please correct the following: Keep only Propane 1000 cu ft and Oil 165 gallons, and remove all other Inventory items. A review of your inventory has determined that you still have the previous federal categories selected and/or have NOT selected any of the NEW federal hazard categories for your chemical inventory. Please review your hazardous material inventory and correct federal hazard categories. You may refer to Section 2 of a current Safety Data Sheets (SDS) (previously called an MSDS) to determine which of the new federal hazard categories apply.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	08-03-2015
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 09/01/2015. OBSERVATION: Copies of hazardous waste disposal records for the followings were not available. Hazardous waste generators shall retain copies of all manifests signed

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. 1. USED OIL 2. ABSORBENT 3. DRAINED USED OIL FILTERS 4. SHOP TOWEL 5. PARTWASHER CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA.

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)
Violation Description: Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 09-15-2021
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Electronically submit and certify in CERS that the Hazardous Materials Business Plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. Submittals are due annually between January 1st and March 1st.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	01-17-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	01-17-2017
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	01-17-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	Los Angeles City Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	83397
Site Name:	VIERTELS AUTO SERVICE INC
Violation Date:	01-17-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

hazardous material.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Description: Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 83397
Site Name: VIERTELS AUTO SERVICE INC
Violation Date: 01-17-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: Los Angeles City Fire Department
Violation Program: HMRRP
Violation Source: CERS,

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-17-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	7 x 5 gallons propane 200 cu ft oxygen 250 cu ft acetylene 4x 55 gal waste oil 4x 55 gal oil OPG2Release@gmail.com
Eval Division:	Los Angeles City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-15-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Consent to enter, inspect and take photographs was given by: ALFRED MORENO The Business Activities, Owner/Operator Identification, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan and Employee Training Plan sections were reviewed in CERS and field verified. Review and correct any violations indicated previously in this report, on or before the COMPLY BY date associated with each violation. NOTE: The LAMC, Sections (L.A.M.C. SECTION 57.105.1.4; 57.120.3; 57.121.2 and 57.121.2.1.) requires businesses that store, use or handle hazardous materials in the City of Los Angeles to obtain a Consolidated Permit from the Los Angeles Fire Department CUPA **** Annual submission of a Hazardous Materials Business Plan into California Environmental Reporting System (CERS) is required between January 1 and March 1 of every year. Per L.A.M.C. 57.121.3.5, failure to submit the required hazardous material business plan (HMBP) information annually into [Truncated]
Eval Division:	Los Angeles City Fire Department
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-03-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Al Moreno, Operation Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	08-31-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Other/Unknown
Eval Date:	09-01-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: AL MORENO, MANAGER
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Consent given by
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 83397
Facility Name: VIERTELS AUTO SERVICE INC
Env Int Type Code: HWG
Program ID: 10244011
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.064780
Longitude: -118.252140

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1155 W TEMPLE ST
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: George Garcia
Entity Title: General Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: VIERTELS AUTO SERVICE INC
Entity Title: Not reported

VIERTELS AUTOMOTIVE SERVICE (Continued) **1000857795**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680,

Affiliation Type Desc: Document Preparer
Entity Name: George Garcia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Todd Q. Smart
Entity Title: Not reported
Affiliation Address: 4760 Valley Blvd.
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90032
Affiliation Phone: (323) 225-9294,

Affiliation Type Desc: Environmental Contact
Entity Name: George Garcia
Entity Title: Not reported
Affiliation Address: 4760 Valley Blvd
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90032
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Viertel’s Automotive Service Inc. DBA Viertel’s Rampart
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (323) 855-4472,

89
WNW
1/8-1/4
0.244 mi.
1286 ft.

JIM PRAGER
1340 CARROLL AVE
LOS ANGELES, CA 90026

RCRA NonGen / NLR

1027520434
CAC003212646

Relative:
Higher

Actual:
488 ft.

RCRA Listings:

Date Form Received by Agency:	20230116
Handler Name:	Jim Prager
Handler Address:	1340 CARROLL AVE
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAC003212646
Contact Name:	JIM PRAGER
Contact Address:	1340 CARROLL AVE
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	213-300-9332
Contact Fax:	Not reported
Contact Email:	KAITLY.TEECOR@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1340 CARROLL AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Jim Prager
Owner Type:	Other
Operator Name:	Jim Prager
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

JIM PRAGER (Continued) **1027520434**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230118
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JIM PRAGER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1340 CARROLL AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	213-300-9332
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: JIM PRAGER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1340 CARROLL AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90026
Owner/Operator Telephone:	213-300-9332
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20230116
Handler Name: JIM PRAGER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

JIM PRAGER (Continued) **1027520434**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

R90 **AT&T MOBILITY GRAND/SUNSET** **HAZMAT** **S123550056**
SSE **1000 W SUNSET BLVD SU 200** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.245 mi.
1293 ft. **Site 2 of 2 in cluster R**

Relative: **Lower**
Actual: **353 ft.**

LOS ANGELES HM:
Name: AT&T MOBILITY GRAND/SUNSET
Address: 1000 W SUNSET BLVD SU 200
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0029217
Last Run Date: 11/01/2022
Status: INACTIVE

P91 **FIRE STATION 6** **HIST UST** **S118410122**
WSW **536 E EDGEWARE RD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.249 mi.
1315 ft. **Site 2 of 7 in cluster P**

Relative: **Higher**
Actual: **421 ft.**

HIST UST:
Name: FIRE STATION 6
Address: 536 E EDGEWARE RD
City,State,Zip: LOS ANGELES, CA 90026
File Number: 00027131
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00027131.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported

FIRE STATION 6 (Continued) **S118410122**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

P92 **UST** **U004303197**
WSW **534 E EDGEWARE RD** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.250 mi.
1320 ft. **Site 3 of 7 in cluster P**

Relative: **Higher**

Actual: **420 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	534 E EDGEWARE RD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

P93 **LA FIRE STATION 6** **RCRA-SQG** **1000229462**
WSW **534 E EDGEWARE RD** **FINDS** **CAD981963127**
1/8-1/4 **LOS ANGELES, CA 90012**
0.250 mi.
1320 ft. **Site 4 of 7 in cluster P**

Relative: **Higher**

Actual: **420 ft.**

RCRA Listings:

Date Form Received by Agency:	19870309
Handler Name:	La Fire Station 6
Handler Address:	534 E EDGEWARE RD
Handler City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAD981963127
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	534 E EDGEWARE RD
Contact City,State,Zip:	LOS ANGELES, CA 90012
Contact Telephone:	213-485-7527
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	200 N MAIN RM EIGHTH HUNDRED C
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	City Of La
Owner Type:	Municipal
Operator Name:	Not Required
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

LA FIRE STATION 6 (Continued) **1000229462**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CITY OF LA	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED

LA FIRE STATION 6 (Continued) **1000229462**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19870309
Handler Name: LA FIRE STATION 6
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002756802

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P94 **LOS ANGELES FIRE STATION #6** **SWEEPS UST** **S101585510**
WSW **534 W EDGEWARE RD** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.250 mi.
1320 ft. **Site 5 of 7 in cluster P**

Relative:
Higher

Actual:
420 ft.

SWEEPS UST:

Name:	LOS ANGELES FIRE STATION #6
Address:	534 W EDGEWARE RD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	2634
Number:	Not reported
Board Of Equalization:	44-012042
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002634-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	19024434
Regulated By:	UTNKA
Regulated ID:	00047465
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134855846
Mail To:	Not reported
Mailing Address:	200 N MAIN STREET-ROOM
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900260000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

P95 **UST** **U004303198**
WSW **534 E EDGEWARE ST** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.250 mi.
1320 ft. **Site 6 of 7 in cluster P**

Relative:
Higher

Actual:
420 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	534 E EDGEWARE ST
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

P96
WSW
1/8-1/4
0.250 mi.
1320 ft.

FIRE STATION #6
534 E EDGEWARE RD
LOS ANGELES, CA 90026

Site 7 of 7 in cluster P

HIST UST **U001561154**
N/A

Relative:
Higher

Actual:
420 ft.

HIST UST:

Name:	FIRE STATION #6
Address:	534 E EDGEWARE RD
City,State,Zip:	LOS ANGELES, CA 90026
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000047465
Facility Type:	Other
Other Type:	FIRE STATION
Contact Name:	Not reported
Telephone:	2134856939
Owner Name:	CITY OF LOS ANGELES
Owner Address:	200 N. MAIN ST.
Owner City,St,Zip:	LOS ANGELES, CA 90012
Total Tanks:	0001
Tank Num:	001
Container Num:	FS6-1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

97
SSW
1/4-1/2
0.256 mi.
1352 ft.

VICTOR RECYCLING CENTER INC
1127 W TEMPLE ST
LOS ANGELES, CA 90012

SWRCY **S107137271**
N/A

Relative:
Lower

Actual:
370 ft.

SWRCY:

Name:	VICTOR RECYCLING CENTER INC
Address:	1127 W TEMPLE ST
City,State,Zip:	LOS ANGELES, CA 90012
Reg Id:	222591
Cert Id:	RC222591.001
Mailing Address:	1127 W Temple St
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90012
Website:	Not reported
Email:	LeeH8070@Gmail.com
Phone Number:	(818) 731-5398
Rural:	N
Operation Begin Date:	01/01/2015
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sun 8:00 am - 4:00 pm
Organization ID:	217689
Organization Name:	Victor Recycling Center Inc

98
ESE
1/4-1/2
0.337 mi.
1777 ft.

801 TOWER BUILDING
845 FIGUEROA AVE S
LOS ANGELES, CA 90017

LUST
Cortese
HIST CORTESE
CERS

S102423552
N/A

Relative:
Lower

Actual:
372 ft.

LUST:

Name:	801 TOWER BUILDING
Address:	845 FIGUEROA AVE S
City,State,Zip:	LOS ANGELES, CA 90017
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700592
Global Id:	T0603700592
Latitude:	34.047249
Longitude:	-118.262391
Status:	Completed - Case Closed
Status Date:	03/04/1996
Case Worker:	YR
RB Case Number:	900170125
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	10/19/1993
Leak Reported Date:	10/19/1993
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	03/04/1996
CA Water Watershed Name:	Santa Monica Bay - Interior Santa Monica Bay - Wilshire (404.63)
Dwr Groundwater Subbasin Name:	Coastal Plain Of Los Angeles - Central (4-011.04)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	81-85%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603700592
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700592
Contact Type:	Regional Board Caseworker - Primary Caseworker

801 TOWER BUILDING (Continued) **S102423552**

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603700592
Action Type: Other
Date: 10/19/1993
Action: Leak Reported

LUST:
Global Id: T0603700592
Status: Open - Case Begin Date
Status Date: 10/19/1993

Global Id: T0603700592
Status: Completed - Case Closed
Status Date: 03/04/1996

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900170125
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603700592
W Global ID: W0607701254
Staff: UNK
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/19/1993
Date Leak Record Entered: 3/30/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/4/1996
Date the Case was Closed: 3/4/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: UNOCAL - JIM SCOTT
Well Name: Not reported
Approx. Dist To Production Well (ft): 1935.000075826197330313631896 6
Source of Cleanup Funding: Not reported

801 TOWER BUILDING (Continued) **S102423552**

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNION BANK
RP Address: P.O. BOX 926, LA PUENTE, CA 91747-0926
Program: LUST
Lat/Long: 34.0469421 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 3901254-001GEN
Summary: Not reported

CORTESE:
Name: 801 TOWER BUILDING
Address: 845 FIGUEROA AVE S
City,State,Zip: LOS ANGELES, CA 90017
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603700592
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: 801 TOWER BUILDING
edr_fadd1: 845 FIGUEROA

801 TOWER BUILDING (Continued) **S102423552**

City,State,Zip: LOS ANGELES, CA 94145
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900170125

CERS:
Name: 801 TOWER BUILDING
Address: 845 FIGUEROA AVE S
City,State,Zip: LOS ANGELES, CA 90017
Site ID: 226322
CERS ID: T0603700592
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

U99 **DOWNTOWN BUSINESS MAGNET** **ENVIROSTOR** **S118756509**
South **1061 & 1081 WEST TEMPLE STREET** **SCH** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012**
0.341 mi.
1803 ft. **Site 1 of 4 in cluster U**

Relative:
Lower

Actual:
347 ft.

ENVIROSTOR:
Name: DOWNTOWN BUSINESS MAGNET
Address: 1061 & 1081 WEST TEMPLE STREET
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: 19000017
Status: No Action Required
Status Date: 05/15/2003
Site Code: 304009
Site Type: School Investigation
Site Type Detailed: School
Acres: 3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa

DOWNTOWN BUSINESS MAGNET (Continued) **S118756509**

Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: DOWNTOWN BUSINESS MAGNET
Alias Type: Alternate Name
Alias Name: DOWNTOWN BUSINESS MAGNET
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304009
Alias Type: Project Code (Site Code)
Alias Name: 19000017
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/30/1999
Comments: Draft Addendum Supplemental Sampling

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 05/15/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: DOWNTOWN BUSINESS MAGNET

DOWNTOWN BUSINESS MAGNET (Continued) **S118756509**

Address:	1061 & 1081 WEST TEMPLE STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19000017
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304009
Assembly:	53
Senate:	30
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	05/15/2003
Restricted Use:	NO
Funding:	School District
Latitude:	34.05227
Longitude:	-118.2527
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	DOWNTOWN BUSINESS MAGNET
Alias Type:	Alternate Name
Alias Name:	DOWNTOWN BUSINESS MAGNET
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304009
Alias Type:	Project Code (Site Code)
Alias Name:	19000017
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	11/30/1999
Comments:	Draft Addendum Supplemental Sampling
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	05/15/2003
Comments:	Not reported

DOWNTOWN BUSINESS MAGNET (Continued) **S118756509**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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100 WSW 1/4-1/2 0.344 mi. 1818 ft. **PLASENCIA ELEMENTARY SCHOOL** **ENVIROSTOR SCH EMI CERS** **S100939210 N/A**
1321 CORTEZ STREET
LOS ANGELES, CA 90026

Relative: Higher

Actual: 440 ft.

ENVIROSTOR:

Name:	PLASENCIA ELEMENTARY SCHOOL
Address:	1321 CORTEZ STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60000055
Status:	Inactive - Needs Evaluation
Status Date:	01/07/2000
Site Code:	304008
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.06556
Longitude:	-118.2557
APN:	5160007910
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	PLASENCIA ELEM/PLASENCIA MAGNET SCH
Alias Type:	Alternate Name
Alias Name:	5160007910
Alias Type:	APN
Alias Name:	304008
Alias Type:	Project Code (Site Code)
Alias Name:	60000055
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

PLASENCIA ELEMENTARY SCHOOL (Continued) **S100939210**

Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: PLASENCIA ELEMENTARY SCHOOL
Address: 1321 CORTEZ STREET
City,State,Zip: LOS ANGELES, CA 90026
Facility ID: 60000055
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304008
Assembly: 51
Senate: 24
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 01/07/2000
Restricted Use: NO
Funding: School District
Latitude: 34.06556
Longitude: -118.2557
APN: 5160007910
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: PLASENCIA ELEM/PLASENCIA MAGNET SCH
Alias Type: Alternate Name
Alias Name: 5160007910
Alias Type: APN
Alias Name: 304008
Alias Type: Project Code (Site Code)
Alias Name: 60000055
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

PLASENCIA ELEMENTARY SCHOOL (Continued) **S100939210**

Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name:	LA UNI SCH DIST, PLASENCIA ELE
Address:	1321 CORTEZ ST
City,State,Zip:	LOS ANGELES, CA 900260000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	72821
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CERS:

Name:	LAUSD - BETTY PLASENCIA ELEMENTARY
Address:	1321 CORTEZ ST
City,State,Zip:	LOS ANGELES, CA 90026
Site ID:	597754
CERS ID:	10886050
CERS Description:	Chemical Storage Facilities

Coordinates:

Site ID:	597754
Facility Name:	LAUSD - BETTY PLASENCIA ELEMENTARY
Env Int Type Code:	HMBP
Program ID:	10886050
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	34.066210
Longitude:	-118.255280

Affiliation:

Affiliation Type Desc:	CUPA District

PLASENCIA ELEMENTARY SCHOOL (Continued) **S100939210**

Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680,
Affiliation Type Desc:	Environmental Contact
Entity Name:	SAMANTHA HAN
Entity Title:	Not reported
Affiliation Address:	333 S. BEAUDRY AVE. 21st FL
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90017
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	333 S. BEAUDRY AVE. 21st FL
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90017
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	333 S. BEAUDRY AVE. 21st FL
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90017
Affiliation Phone:	(213) 241-3199,
Affiliation Type Desc:	Operator
Entity Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 241-3199,
Affiliation Type Desc:	Property Owner
Entity Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	333 S. BEAUDRY AVE. 21st FL
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90017

PLASENCIA ELEMENTARY SCHOOL (Continued) **S100939210**

Affiliation Phone: (213) 241-3199,

Affiliation Type Desc: Parent Corporation
Entity Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: SAMANTHA HAN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: ALEJANDRO PEINADO
Entity Title: ENVIRONMENTAL SAFETY OFFICER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: PLASENCIA ELEMENTARY
Address: 1321 CORTEZ STREET
City,State,Zip: LOS ANGELES, CA 90026
Site ID: 609327
CERS ID: 60000055
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Shahir Haddad
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

U101
South
1/4-1/2
0.366 mi.
1935 ft.

Relative:
Lower

Actual:
344 ft.

BANK OF AMERICA
1000 W TEMPLE
LOS ANGELES, CA 90012

Site 2 of 4 in cluster U

ENVIROSTOR
SWEEPS UST
CA FID UST
EMI
HAZNET
NPDES
HAZMAT
CIWQS
CERS
HWTS

S101617131
N/A

ENVIROSTOR:

Name:	BANK OF AMERICA, LOS ANGELES DATA CENTER
Address:	1000 W. TEMPLE STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	71003397
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.06143
Longitude:	-118.2517
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAL913236278
Alias Type:	EPA Identification Number
Alias Name:	71003397
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported

BANK OF AMERICA (Continued) **S101617131**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 7

Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000002
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000003
Tank Status: A

BANK OF AMERICA (Continued) **S101617131**

Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000004
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000005
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88

BANK OF AMERICA (Continued) **S101617131**

Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000006
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Name: BANK OF AMERICA DATA CENTER
Address: 1000 W TEMPLE ST
City: LOS ANGELES
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-000046-000007
Tank Status: A
Capacity: 20000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19000855
Regulated By: UTNKA
Regulated ID: 00000519
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132286430
Mail To: Not reported
Mailing Address: 1000 W TEMPLE ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:
Name: BANK OF AMERICA-
Address: 1000 W TEMPLE ST
City,State,Zip: LOS ANGELES, CA 90012
Year: 1990
County Code: 19
Air Basin: SC

BANK OF AMERICA (Continued) **S101617131**

Facility ID:	1102
Air District Name:	SC
SIC Code:	0
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012

BANK OF AMERICA (Continued) **S101617131**

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.164376
Reactive Organic Gases Tons/Yr:	0.08
Carbon Monoxide Emissions Tons/Yr:	0.94511
NOX - Oxides of Nitrogen Tons/Yr:	1.1194
SOX - Oxides of Sulphur Tons/Yr:	0.045411
Particulate Matter Tons/Yr:	0.13822307
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.13

BANK OF AMERICA (Continued) **S101617131**

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	2009
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6021
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.101567752999352
Reactive Organic Gases Tons/Yr:	5.0753399999999997E-2
Carbon Monoxide Emissions Tons/Yr:	0.44517499999999999
NOX - Oxides of Nitrogen Tons/Yr:	0.46258700000000003
SOX - Oxides of Sulphur Tons/Yr:	2.6341920000000001E-2
Particulate Matter Tons/Yr:	0.65946000000000005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.49272417439999999

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	2010
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6021
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.100606879666023
Reactive Organic Gases Tons/Yr:	5.6100001570000002E-2
Carbon Monoxide Emissions Tons/Yr:	0.44217000367999998
NOX - Oxides of Nitrogen Tons/Yr:	0.79546002935000004
SOX - Oxides of Sulphur Tons/Yr:	4.6060327535000001E-2
Particulate Matter Tons/Yr:	1.3756500093999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.0190485691744

Name:	BANK OF AMERICA
Address:	1000 W TEMPLE
City,State,Zip:	LOS ANGELES, CA 90012
Year:	2011
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6021
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.12077487206
Reactive Organic Gases Tons/Yr:	0.0717906722
Carbon Monoxide Emissions Tons/Yr:	0.5264128918
NOX - Oxides of Nitrogen Tons/Yr:	1.1882713485
SOX - Oxides of Sulphur Tons/Yr:	0.06466610105

BANK OF AMERICA (Continued) **S101617131**

Particulate Matter Tons/Yr: 1.375290764
Part. Matter 10 Micrometers and Smllr Tons/Yr:1.0383882577

HAZNET:

Name:	PALMER BEAUDRY AVENUE PROPERTIES, L.P.
Address:	1000 W TEMPLE ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900121514
Contact:	RANDY TRIPP
Telephone:	3102544613
Mailing Name:	Not reported
Mailing Address:	270 N CANON DR PH
Year:	2016
Gepaid:	CAC002858281
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	5.75

NPDES:

Name:	FERRANTE
Address:	1000 WEST TEMPLE STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Active
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	496832
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C383189
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/30/2018
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	270 N Canon Drive
Discharge Name:	Palmer Beaudry Avenue Properties LP
Discharge City:	Beverly Hills
Discharge State:	California
Discharge Zip:	90210
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Name:	FERRANTE
Address:	1000 WEST TEMPLE STREET
City,State,Zip:	LOS ANGELES, CA 90012

BANK OF AMERICA (Continued) **S101617131**

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C383189
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/30/2018
Operator Name:	Palmer Beaudry Avenue Properties LP
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

LOS ANGELES HM:

Name:	FERRANTE LLC
Address:	1000 W TEMPLE ST
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0003127
Last Run Date:	11/01/2022
Status:	INACTIVE

CIWQS:

Name:	FERRANTE
Address:	1000 WEST TEMPLE STREET
City,State,Zip:	LOS ANGELES, CA 90012
Agency:	Palmer Beaudry Avenue Properties LP
Agency Address:	270 N Canon Drive Penthouse, Beverly Hills, CA 90210
Place/Project Type:	Construction - Residential
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C383189
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/30/2018
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported

BANK OF AMERICA (Continued) **S101617131**

Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.06151
Longitude: -118.25184

CERS:
Name: FERRANTE
Address: 1000 WEST TEMPLE STREET
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 531942
CERS ID: 863381
CERS Description: Construction Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2020
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff discussed the inspection findings with Mr. Esposito. Mr. Esposito contacted site personnel to order new gravel bags while Staff was onsite. Staff observed a street sweeper by the entrance to where minor sediment track-out was observed and requested that Mr. Esposito send a photograph to show that it is swept. On January 17, 2020, Mr. Esposito sent a photograph to Staff showing that the SWPPP was onsite and notified Staff that the stormwater representative would address the remaining issues. On February 4, 2020, Staff followed up to inquire about the remaining action items.
Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Palmer Beaudry Avenue Properties LP
Entity Title: Operator
Affiliation Address: 270 N Canon DrivePenthouse
Affiliation City: Beverly Hills
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90210
Affiliation Phone: ,

HWTS:
Name: PALMER BEAUDRY AVENUE PROPERTIES, L.P.
Address: 1000 W TEMPLE ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAC002858281
Inactive Date: 07/26/2016
Create Date: 04/25/2016
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 270 N CANON DR PH

BANK OF AMERICA (Continued) **S101617131**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	BEVERLY HILLS, CA 902105312
Owner Name:	GEOFF PALMER
Owner Address:	270 N CANON DR PH
Owner Address 2:	Not reported
Owner City,State,Zip:	BEVERLY HILLS, CA 902105312
Contact Name:	RANDY TRIPP
Contact Address:	924 W SUNSET BLVD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900122133
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.061872
Longitude:	-118.250398

NAICS:

EPA ID:	CAC002858281
Create Date:	2016-04-25 15:56:18.050
NAICS Code:	23322
NAICS Description:	Multifamily Housing Construction
Issued EPA ID Date:	2016-04-25 15:56:18.05700
Inactive Date:	2016-07-26 03:00:25.73300
Facility Name:	PALMER BEAUDRY AVENUE PROPERTIES, L.P.
Facility Address:	1000 W TEMPLE ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900121514

U102 **BANK OF AMERICAN DATA CENT** **HIST UST** **U001560494**
South **1000 TEMPLE** **HIST CORTESE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012**
0.366 mi.
1935 ft. **Site 3 of 4 in cluster U**

Relative:
Lower

Actual:
344 ft.

HIST UST:

Name:	BANK OF AMERICA DATA CENTER
Address:	1000 W TEMPLE ST
City,State,Zip:	LOS ANGELES, CA 90012
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000000519
Facility Type:	Other
Other Type:	BANKING
Contact Name:	Not reported
Telephone:	2132286430
Owner Name:	BANK OF AMERICA NT & SA
Owner Address:	1000 WEST TEMPLE STREET
Owner City,St,Zip:	LOS ANGELES, CA 90012
Total Tanks:	0007
Tank Num:	001
Container Num:	1
Year Installed:	1976

BANK OF AMERICAN DATA CENT (Continued) **U001560494**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1976
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	5
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	7
Year Installed:	1976
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL

BANK OF AMERICAN DATA CENT (Continued) **U001560494**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

HIST CORTESE:
edr_fname: BANK OF AMERICAN DATA CENT
edr_fadd1: 1000 TEMPLE
City,State,Zip: LOS ANGELES, CA 90012
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120116

U103 **BANK OF AMERICA DATA CENTER** **LUST** **S105032371**
South **1000 TEMPLE ST W** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **CERS**
0.366 mi.
1935 ft. **Site 4 of 4 in cluster U**

Relative: **Lower**
Actual: **344 ft.**

LUST:
Name: BANK OF AMERICA DATA CENTER
Address: 1000 TEMPLE ST W
City,State,Zip: LOS ANGELES, CA 90012
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700510
Global Id: T0603700510
Latitude: 34.0616586
Longitude: -118.2503674
Status: Completed - Case Closed
Status Date: 01/06/2012
Case Worker: AT
RB Case Number: 900120116
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
EPA Region: 9
Coordinate Source: * Historical Geocode - Exact Address Match
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 07/23/1987
Leak Reported Date: 05/03/1994
How Discovered: Other Means
How Discovered Description: Not reported
Discharge Source: Piping
Discharge Cause: Physc / Mech Damage
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 01/06/2012
CA Water Watershed Name: Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name: Not reported
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 96-100% (highest scores)
CA Enviroscreen 4 Score: 95-100% (highest scores)
Military DOD Site: No
Facility Project Subtype: Not reported

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

RWQCB Region: LOS ANGELES RWQCB (REGION 4)
Site History: Not reported

LUST:
Global Id: T0603700510
Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603700510
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603700510
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 01/15/2011
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: ENFORCEMENT
Date: 10/24/2003
Action: * No Action

Global Id: T0603700510
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603700510
Action Type: ENFORCEMENT
Date: 01/06/2012
Action: Closure/No Further Action Letter

Global Id: T0603700510
Action Type: ENFORCEMENT
Date: 06/17/2011
Action: Site Visit / Inspection / Sampling

Global Id: T0603700510
Action Type: RESPONSE
Date: 11/22/2004
Action: Well Destruction Report

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/14/2005
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/16/2007
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/16/2006
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/19/2007
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/14/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 03/06/2012
Action: Well Destruction Report

Global Id: T0603700510
Action Type: REMEDIATION
Date: 01/01/1997
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603700510
Action Type: REMEDIATION
Date: 01/01/1998
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603700510
Action Type: REMEDIATION
Date: 09/01/1995
Action: Excavation

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Date: 04/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/22/2004
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/24/2003
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/24/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/16/2004
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: Other
Date: 04/13/1994
Action: Leak Discovery

Global Id: T0603700510
Action Type: Other
Date: 02/14/1994
Action: Leak Stopped

Global Id: T0603700510
Action Type: Other
Date: 05/03/1994
Action: Leak Reported

LUST:
Global Id: T0603700510
Status: Open - Case Begin Date
Status Date: 07/23/1987

Global Id: T0603700510
Status: Open - Site Assessment
Status Date: 07/23/1987

Global Id: T0603700510
Status: Open - Site Assessment
Status Date: 11/04/1987

Global Id: T0603700510
Status: Open - Site Assessment
Status Date: 04/10/1988

Global Id: T0603700510
Status: Open - Site Assessment

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Status Date: 03/28/1989

Global Id: T0603700510
Status: Open - Remediation
Status Date: 11/07/1997

Global Id: T0603700510
Status: Open - Remediation
Status Date: 09/23/1998

Global Id: T0603700510
Status: Open - Remediation
Status Date: 10/24/2003

Global Id: T0603700510
Status: Open - Remediation
Status Date: 04/16/2004

Global Id: T0603700510
Status: Open - Remediation
Status Date: 10/22/2004

Global Id: T0603700510
Status: Open - Remediation
Status Date: 10/14/2005

Global Id: T0603700510
Status: Open - Remediation
Status Date: 10/16/2006

Global Id: T0603700510
Status: Open - Remediation
Status Date: 04/19/2007

Global Id: T0603700510
Status: Completed - Case Closed
Status Date: 01/06/2012

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120116
Status: Remedial action (cleanup) Underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: ED FP VE
Global ID: T0603700510
W Global ID: W0605100649
Staff: AT
Local Agency: 19050
Cross Street: TEMPLE/BEAUDRY
Enforcement Type: NA
Date Leak Discovered: 4/13/1994

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Date Leak First Reported:		5/3/1994
Date Leak Record Entered:	6/3/1988	
Date Confirmation Began:	7/23/1987	
Date Leak Stopped:	2/14/1994	
Date Case Last Changed on Database:		4/17/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Structure Failure	
Leak Source:	Piping	
Operator:	BANK OF AMERICA	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2460.731394308487188983964942
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		11/4/1987
Preliminary Site Assessment Began:		4/10/1988
Pollution Characterization Began:		3/28/1989
Remediation Plan Submitted:		11/7/1997
Remedial Action Underway:		4/16/2004
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		279000
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	LISA DAMERON	
RP Address:	1000 W. TEMPLE ST.	
Program:	LUST	
Lat/Long:	34.0616586 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600649-001GEN	
Summary:	(FREE PRODUCT SITE) ; 7/15/00 UST REMEDIATION PROGRAMS; 10/15/00 UST REMEDIATION PROGRAMS ENVIRON. MON 3RD QTR; 1/8/01 4THE QTR UST REMED. PROGRAMS; 4/15/01 1ST QTR GW MON RPT 2001	

CORTESE:

Name:	BANK OF AMERICA DATA CENTER
Address:	1000 TEMPLE ST W
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700510
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	BANK OF AMERICA DATA CENTER
Address:	1000 TEMPLE ST W
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	230578
CERS ID:	T0603700510
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766708,

V104 **LOS ANGELES NAVAL & MARINE CORPS RES.CEN** **RESPONSE** **S102815066**
East **1700 STADIUM WAY** **ENVIROSTOR** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **CPS-SLIC**
0.369 mi. **CERS TANKS**
1950 ft. **Site 1 of 3 in cluster V** **DEED**
HIST CORTESE
Relative: **HAZNET**
Lower **HWTS**

Actual:
385 ft.

RESPONSE:

Name:	LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Address:	1700 STADIUM WAY
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19970021
Site Type:	State Response

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Site Type Detail:	Closed Base
Acres:	6
National Priorities List:	NO
Cleanup Oversight Agencies:	RWQCB 4 - Los Angeles
Lead Agency Description:	RWQCB 4 - Los Angeles
Project Manager:	Not reported
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Site Code:	300784
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	51
Senate:	24
Special Program Status:	Navy
Status:	Refer: RWQCB
Status Date:	11/01/2016
Restricted Use:	NO
Funding:	* Defense Environmental Restoration Program (DERP)
Latitude:	34.06903
Longitude:	-118.2421
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING
Potential COC :	* Asbestos and Naturally Occurring Asbestos (NOA Lead TPH-diesel TPH-gas
Confirmed COC:	Lead TPH-diesel TPH-gas
Potential Description:	OTH, SOIL
Alias Name:	LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alias Type:	Alternate Name
Alias Name:	110033608120
Alias Type:	EPA (FRS #)
Alias Name:	T0603714859
Alias Type:	GeoTracker Global ID
Alias Name:	300784
Alias Type:	Project Code (Site Code)
Alias Name:	19970021
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	1
Completed Document Type:	Monitoring Plan
Completed Date:	12/16/2014
Comments:	Not reported
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	1
Completed Document Type:	Monitoring Report
Completed Date:	09/22/2015
Comments:	Not reported
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	1
Completed Document Type:	Monitoring Report
Completed Date:	12/20/2013
Comments:	Not reported

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/15/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/18/2005
Comments: The SI included Geophysical survey; soil sampling and analysis; groundwater sampling and analysis; assessing the nature and extent of contamination; assessing the fate and transport of contaminants and assessing potential risk to human health. Based on the results, it is recommended that the site no longer considered a CERCLA IR site, and should fall under State of California UST program. DTSC concurs with this recommendation.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan
Completed Date: 05/31/2012
Comments: Completed

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 03/22/2013
Comments: NO official letter is required. Water Board is in charge.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 07/05/2011
Comments: Document complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Plan
Completed Date: 08/12/2010
Comments: Report is complete. Navy is doing the fieldwork

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Address: 1700 STADIUM WAY
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: 19970021
Status: Refer: RWQCB
Status Date: 11/01/2016
Site Code: 300784
Site Type: State Response
Site Type Detailed: Closed Base
Acres: 6
NPL: NO
Regulatory Agencies: RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
Program Manager: Not reported
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 51
Senate: 24
Special Program: Navy
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: * Defense Environmental Restoration Program (DERP)
Latitude: 34.06903
Longitude: -118.2421
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING
Potential COC: * Asbestos and Naturally Occurring Asbestos (NOA Lead TPH-diesel TPH-gas
Confirmed COC: Lead TPH-diesel TPH-gas
Potential Description: OTH, SOIL
Alias Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alias Type: Alternate Name
Alias Name: LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alias Type: Alternate Name
Alias Name: LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alias Type: Alternate Name
Alias Name: 110033608120
Alias Type: EPA (FRS #)
Alias Name: T0603714859
Alias Type: GeoTracker Global ID
Alias Name: 300784
Alias Type: Project Code (Site Code)
Alias Name: 19970021
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Completed Date: 12/16/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 09/22/2015
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/20/2013
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 12/15/2014
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/03/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/18/2005
Comments: The SI included Geophysical survey; soil sampling and analysis; groundwater sampling and analysis; assessing the nature and extent of contamination; assessing the fate and transport of contaminants and assessing potential risk to human health. Based on the results, it is recommended that the site no longer considered a CERCLA IR site, and should fall under State of California UST program. DTSC concurs with this recommendation.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan
Completed Date: 05/31/2012
Comments: Completed

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Report
Completed Date: 03/22/2013
Comments: NO official letter is required. Water Board is in charge.

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	1
Completed Document Type:	Soil Vapor Extraction Monitoring Report
Completed Date:	07/05/2011
Comments:	Document complete

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Soil Vapor Extraction Monitoring Plan
Completed Date:	08/12/2010
Comments:	Report is complete. Navy is doing the fieldwork

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	1033
Substance:	Not reported
Staff:	GJH

CPS-SLIC:

Name:	NAVAL-MARINE CORPS RESRVE CNTR
Address:	1700 STADIUM WAY
City,State,Zip:	LOS ANGELES, CA 90012
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/04/1998
Global Id:	T0603700529
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0687922
Longitude:	-118.2434812
Case Type:	Cleanup Program Site
Case Worker:	SLC
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900120334
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	11/09/1994
Leak Reported Date:	11/11/1994
How Discovered:	Tank Closure
How Discovered Description:	Not reported

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	05/04/1998
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS TANKS:

Name:	LOS ANGELES NAVAL MCRC - NAVAL MARINE COMILITARYS RESERVE CENTER, LOS ANGEL
Address:	1700 STADIUM WAY
City,State,Zip:	LOS ANGELES, CA
Site ID:	226154
CERS ID:	T0603714859
CERS Description:	Military Underground Storage Tank Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ANGELICA CASTANEDA - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

DEED:

Name:	LOS ANGELES NAVAL MCRC - NAVAL MARINE COMILITARYS RESERVE CENTER, LOS ANGEL
Address:	1700 STADIUM WAY
City,State,Zip:	LOS ANGELES, CA
Envirostor ID:	T0603714859
Area:	Not reported
Sub Area:	Not reported
Site Type:	DODUST
Status:	COMPLETED - CASE CLOSED
Agency:	SWRCB
Covenant Uploaded:	Y
Deed Date(s):	05/08/2015
File Name:	Geotracker Land Use/Deed Restrictions

HIST CORTESE:

edr_fname:	NAVAL-MARINE CORPS RESRVE
edr_fadd1:	1700 STADIUM

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

City,State,Zip: LOS ANGELES, CA 90012
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120334

HAZNET:
Name: CITY OF LA, LAFD FRANK HOTCHKINS CENTER
Address: 1700 STADIUM WAY
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900121404
Contact: EMMANUEL AMESI
Telephone: 2139783798
Mailing Name: Not reported
Mailing Address: 111 E FIRST ST RM 600

Year: 2013
Gepaid: CAC002723379
TSD EPA ID: CAD028409019
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2

Additional Info:
Year: 2013
Gen EPA ID: CAC002723379

Shipment Date: 20130315
Creation Date: 5/3/2013 22:15:44
Receipt Date: 20130315
Manifest ID: 009383768JJK
Trans EPA ID: CAL000367448
Trans Name: STAR RESOURCES CORP
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: CITY OF LA, LAFD FRANK HOTCHKINS CENTER

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Address:	1700 STADIUM WAY
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
EPA ID:	CAC002723379
Inactive Date:	06/13/2013
Create Date:	03/14/2013
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	111 E FIRST ST RM 600
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900120000
Owner Name:	CITY OF LA DEPT OF GENERAL SVS
Owner Address:	111 E 1ST ST RM 600
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900123678
Contact Name:	EMMANUEL AMESI
Contact Address:	111 E FIRST STREET, ROOM 600
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.069205
Longitude:	-118.24359

V105 **NAVAL-MARINE CORPS RESRVE CNTR** **LUST** **S103282093**
East **1700 STADIUM WAY** **CHMIRS** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **CERS**
0.369 mi.
1950 ft. **Site 2 of 3 in cluster V**

Relative: LUST REG 4:
Lower

Actual: Region:	4	
385 ft. Regional Board:	04	
County:	Los Angeles	
Facility Id:	900120334	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700529	
W Global ID:	W0605100649	
Staff:	SLC	
Local Agency:	19050	
Cross Street:	BERNARD ST	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/9/1994	
Date Leak First Reported:		11/11/1994
Date Leak Record Entered:	4/21/1998	
Date Confirmation Began:	11/11/1994	
Date Leak Stopped:	11/9/1994	
Date Case Last Changed on Database:		4/6/1998
Date the Case was Closed:		5/4/1998
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	

NAVAL-MARINE CORPS RESRVE CNTR (Continued) **S103282093**

Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3045.9568946067586398334605247
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 5/13/1996
Preliminary Site Assessment Began: 6/14/1996
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DEPT OF THE NAVY, NFEC
RP Address: 1200 PACIFIC HIGHWAY, CODE 522, SAN DIEGO, CA 92132-5187
Program: SLIC
Lat/Long: 34.0687922 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: ONE WASTE OIL WAS REMOVED IN 1994. UST FUELS/W.V. CLOSED SITE TRANSFERRED TO SLIC/DOD (JR) FOR ANY ADDITIONAL ASSESSMENT (CLARIFIER, BBL STORAGE, MAINTENANCE/LUBE OIL BAYS ETC).

CHMIRS:
Name: Not reported
Address: 1700 STADIUM WAY
City,State,Zip: LOS ANGELES, CA 90012
OES Incident Number: 9-4897
OES notification: 11/16/1999
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported

NAVAL-MARINE CORPS RESRVE CNTR (Continued) **S103282093**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Manley Oil Co.
Incident Date:	11/1/199912:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Crude Oil
BBLS:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Production line leak

CERS:

Name:	NAVAL-MARINE CORPS RESRVE CNTR
Address:	1700 STADIUM WAY
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	215910
CERS ID:	T0603700529
CERS Description:	Cleanup Program Site

NAVAL-MARINE CORPS RESRVE CNTR (Continued) **S103282093**

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SLC - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

V106 **US MARINE CORPS RESERVE CENTER** **LUST** **S101584386**
East **1700 STADIUM WAY** **HIST Cal-Sites** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **SWEEPS UST**
0.369 mi. **CA FID UST**
1950 ft. **Site 3 of 3 in cluster V**

Relative: **Lower**

Actual: **385 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	1033	
Status:	Not reported	
Substance:	Not reported	
Substance Quantity:	Not reported	
Local Case No:	300784	
Case Type:	Not reported	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603714859	
W Global ID:	Not reported	
Staff:	GJH	
Local Agency:	Not reported	
Cross Street:	Not reported	
Enforcement Type:	None Taken	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		Not reported
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): Not reported
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: Monica Ryan
RP Address: Not reported
Program: DOD
Lat/Long: Not reported
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

Calsite:
Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Address: 1700 STADIUM WAY
City: LOS ANGELES
Region: GLENDALE
Facility ID: 19970021
Facility Type: CLOSE
Type: CLOSED MILITARY BASE
Branch: SO
Branch Name: OMF-SOUTHERN CALIF
File Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
State Senate District: 11231999
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 97
SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: APEDDADA
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Region Water Control Board Name:	LOS ANGELES
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	45
State Senate District Code:	21
Facility ID:	19970021
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	STE1
Proposed Budget:	0
AWP Completion Date:	01312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970021
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	STE1
Proposed Budget:	0
AWP Completion Date:	08312004
Revised Due Date:	Not reported
Comments Date:	01182005
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970021
Activity:	CERT

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Activity Name:	CERTIFICATION
AWP Code:	STE1
Proposed Budget:	0
AWP Completion Date:	01312008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	1700 STADIUM WAY
Alternate City,St,Zip:	LOS ANGELES, CA 90012
Background Info:	The Naval and Marine Corps Reserve Center, Los Angeles (NMCRC-LA) consists of approximately 6 acres of land, approximately 1 mile northeast of downtown Los Angeles. This site is a closed reserve center where Naval or Marine Corps activities are no longer cond ucted. NMCRC-LA was constructed from 1938 to 1940 by the Works Progress Administration and was commissioned in 1940 to provide a dministrative, training, and logistics support to reserve units. The facility has one Installation Restoration site, identified as Site 1, the former Service Station and Vehicle Lube Rack. The former service Station was built in 1943 and was used for fuelin g vehicles on site. The aboveground portion of the station has be en removed. Adjacent to the former Service Station, the Vehicle L ube Rack was used for vehicle maintenance and drained directly to a waste of oil underground storage tank(UST). Between 1987 to 19 89, hazardous substances (including used oil, solvents, hydraulic , fluid, and other new and used vehicle maintenance products) wer e stored in 55-gallon drums on the Vehicl Lube Rack. In Novembe r 1994, the waste oil UST was removed in 1994 under supervision o f the Los Angeles Fire Department. Soil with detected levels of total recoverable petroleum hydrocarbons was excavated and dispos ed off site. In 1995, an Environmental Baseline Study (EBS) was conducted. The EBS identified the Vehicle Lube Rack and the form er Service Station gasoline UST as areas requiring further invest igation. In 1996, a subsurface soil investigation conducted for Site 1 indicated the presence of gasoline-range hydrocarbons, be nzene, toluene, ethylbenzene, total xylenes, and 1,2-dichloroetha ne.
Comments Date:	01182005
Comments:	The SI included Geophysical survey; soil sampling and analysis; g
Comments Date:	01182005
Comments:	roundwater sampling and analysis; assessing the nature and extent
Comments Date:	01182005
Comments:	of contamination; assessing the fate and transport of contaminan

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Comments Date: 01182005
Comments: ts and assessing potential risk to human health. Based on the re
Comments Date: 01182005
Comments: sults, it is recommended that the site no longer considered a CE
Comments Date: 01182005
Comments: RCLA IR site, and should fall under State of California UST progr
Comments Date: 01182005
Comments: am. DTSC concurs with this recommendation.
ID Name: Not reported
ID Value: Not reported
Alternate Name: LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alternate Name: LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alternate Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alternate Name: Not reported
Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

SWEEPS UST:
Name: US MARINE CORPS RESERVE CENTER
Address: 1700 STADIUM WAY
City: LOS ANGELES
Status: Active
Comp Number: 4071
Number: 7
Board Of Equalization: Not reported
Referral Date: 09-21-93
Action Date: 09-21-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19010990
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2130000000
Mail To: Not reported
Mailing Address: 1700 STADIUM WAY
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

W107 **MENDOZA SERVICE, INC.** **LUST** **S102523295**
SSE **866 CESAR CHAVEZ ST E** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **HIST CORTESE**
0.387 mi. **CERS**
2042 ft. **Site 1 of 4 in cluster W**

Relative:
Lower

Actual:
360 ft.

LUST:

Name:	MENDOZA SERVICE, INC.
Address:	866 CESAR CHAVEZ ST E
City,State,Zip:	LOS ANGELES, CA 90012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700526
Global Id:	T0603700526
Latitude:	34.0625435136517
Longitude:	-118.246686458588
Status:	Completed - Case Closed
Status Date:	09/25/2000
Case Worker:	AT
RB Case Number:	900120307
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	11/01/1994
Leak Reported Date:	12/06/1996
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Piping
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	09/25/2000
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	80-85%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603700526
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

Global Id:	T0603700526
Contact Type:	Local Agency Caseworker

MENDOZA SERVICE, INC. (Continued) **S102523295**

Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603700526
Action Type: ENFORCEMENT
Date: 09/25/2000
Action: Closure/No Further Action Letter

Global Id: T0603700526
Action Type: Other
Date: 11/01/1994
Action: Leak Discovery

Global Id: T0603700526
Action Type: Other
Date: 11/01/1994
Action: Leak Stopped

Global Id: T0603700526
Action Type: Other
Date: 12/06/1996
Action: Leak Reported

LUST:
Global Id: T0603700526
Status: Open - Case Begin Date
Status Date: 11/01/1994

Global Id: T0603700526
Status: Open - Site Assessment
Status Date: 10/07/1996

Global Id: T0603700526
Status: Open - Site Assessment
Status Date: 04/30/1997

Global Id: T0603700526
Status: Open - Site Assessment
Status Date: 01/28/1998

Global Id: T0603700526
Status: Completed - Case Closed
Status Date: 09/25/2000

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120307
Status: Case Closed

MENDOZA SERVICE, INC. (Continued) **S102523295**

Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700526	
W Global ID:	W0605100649	
Staff:	AT	
Local Agency:	19050	
Cross Street:	MISSION RD	
Enforcement Type:	Not reported	
Date Leak Discovered:	11/1/1994	
Date Leak First Reported:		12/6/1996
Date Leak Record Entered:	3/5/1997	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	11/1/1994	
Date Case Last Changed on Database:		9/14/2000
Date the Case was Closed:		9/25/2000
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Piping	
Operator:	Not reported	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1184.665646089088424543291193
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		10/7/1996
Preliminary Site Assessment Began:		4/30/1997
Pollution Characterization Began:		1/28/1998
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		522
Hist Max MTBE Conc in Soil:		42
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MENDOZA, RICHARD	
RP Address:	3410 BRANDON BLVD, PASADENA CA 91107	
Program:	LUST	
Lat/Long:	34.0619735 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600649-001GEN	
Summary:	HIGHEST MTBE IN GW FOUND IN B-1(BORING) 5,030 PPB.ON 8/17/96; 2/8/99 DEFICIENT, DELIQUENT, OWNER NFO ; 1/24/00 GW ASSESSMENT RPT; 5/4/00 GW ASSESSMENT RPT; 8/3/00 GW ASSESSMENT RPT	

MENDOZA SERVICE, INC. (Continued) **S102523295**

CORTESE:

Name:	MENDOZA SERVICE, INC.
Address:	866 CESAR CHAVEZ ST E
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700526
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	MENDOZA SERVICE, INC.
edr_fadd1:	866 CESAR CHAVEZ
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900120307

CERS:

Name:	MENDOZA SERVICE, INC.
Address:	866 CESAR CHAVEZ ST E
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	233568
CERS ID:	T0603700526
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766708,
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF

MENDOZA SERVICE, INC. (Continued) **S102523295**

Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

W108 **UNOCAL #0253** **LUST** **S104406269**
SSE **900 SUNSET BLVD** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012**
0.392 mi.
2069 ft. **Site 2 of 4 in cluster W**

Relative: **Lower**

Actual: **360 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900120034	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603700502	
W Global ID:	W0605100649	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		10/22/1985
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		6/30/1998
Date the Case was Closed:		7/22/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1435.31608282707829002831 13277
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/22/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported

UNOCAL #0253 (Continued) **S104406269**

Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNOCAL CORPORATION
RP Address: 17700 CASTLETON ST, SUITE 500, INDUSTRY CA 91728
Program: LUST
Lat/Long: 34.0624755 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: TANKS AND CONTAMINATED SOIL REMOVED. NO FURTHER ACTION REQUIRED. 06/30/98 - WELL ABANDONMENT RPT

CORTESE:
Name: UNOCAL #0253
Address: 900 SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90012
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603700502
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

W109 **SERVICE SATTION 0253** **LUST** **S103675558**
SSE **900 SUNSET BOULEVARD** **HIST UST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **HIST CORTESE**
0.392 mi. **CERS**
2069 ft. **Site 3 of 4 in cluster W**

Relative: **Lower**
Actual: **360 ft.**

LUST:
Name: UNOCAL #0253
Address: 900 SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90012
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site

SERVICE SATTION 0253 (Continued) **S103675558**

Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700502
Global Id:	T0603700502
Latitude:	34.0627746027386
Longitude:	-118.247029781342
Status:	Completed - Case Closed
Status Date:	07/22/1996
Case Worker:	YR
RB Case Number:	900120034
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	10/22/1985
Leak Reported Date:	10/22/1985
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	07/22/1996
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	80-85%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T0603700502
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700502
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603700502

SERVICE SATTION 0253 (Continued) **S103675558**

Action Type: ENFORCEMENT
Date: 07/22/1996
Action: Closure/No Further Action Letter

Global Id: T0603700502
Action Type: Other
Date: 10/22/1985
Action: Leak Reported

LUST:
Global Id: T0603700502
Status: Open - Case Begin Date
Status Date: 10/22/1985

Global Id: T0603700502
Status: Open - Site Assessment
Status Date: 04/22/1988

Global Id: T0603700502
Status: Completed - Case Closed
Status Date: 07/22/1996

HIST UST:
Name: UNION OIL SERVICE STATION 0253
Address: 900 SUNSET BLVD
City,State,Zip: LOS ANGELES, CA 90013
File Number: 00028389
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00028389.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported

SERVICE SATTION 0253 (Continued) **S103675558**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

HIST CORTESE:

edr_fname:	UNOCAL #0253
edr_fadd1:	900 SUNSET
City,State,Zip:	LOS ANGELES, CA 90012
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900120034

CERS:

Name:	UNOCAL #0253
Address:	900 SUNSET BLVD
City,State,Zip:	LOS ANGELES, CA 90012
Site ID:	212609
CERS ID:	T0603700502
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

W110 **G. H. PALMER & ASSOCIATES** **LUST** **S109348505**
SSE **867 CESAR CHAVEZ AVE.** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **CERS**
0.398 mi.
2102 ft. **Site 4 of 4 in cluster W**

Relative:
Lower

Actual:
362 ft.

LUST:

Name:	G. H. PALMER & ASSOCIATES
Address:	867 CESAR CHAVEZ AVE.
City,State,Zip:	LOS ANGELES, CA 90012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000000641
Global Id:	T10000000641

G. H. PALMER & ASSOCIATES (Continued) **S109348505**

Latitude:	34.0627212745437
Longitude:	-118.245935440063
Status:	Completed - Case Closed
Status Date:	07/02/2012
Case Worker:	MR
RB Case Number:	900120498
Local Agency:	LOS ANGELES, CITY OF
File Location:	Regional Board
Local Case Number:	36814
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	07/17/2008
Leak Reported Date:	12/22/2008
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Close and Remove Tank
Stop Description:	Not reported
No Further Action Date:	07/02/2012
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	80-85%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

LUST:

Global Id:	T10000000641
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T10000000641
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	Maryam Renard
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	LOS ANGELES
Email:	maryam.renard@waterboards.ca.gov
Phone Number:	2135766699

LUST:

Global Id:	T10000000641
Action Type:	RESPONSE
Date:	07/15/2011

G. H. PALMER & ASSOCIATES (Continued) **S109348505**

Action: Monitoring Report - Semi-Annually

Global Id: T10000000641
Action Type: RESPONSE
Date: 08/23/2011
Action: Request for Closure

Global Id: T10000000641
Action Type: ENFORCEMENT
Date: 07/02/2012
Action: Closure/No Further Action Letter

Global Id: T10000000641
Action Type: ENFORCEMENT
Date: 07/02/2012
Action: Closure/No Further Action Letter

Global Id: T10000000641
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T10000000641
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T10000000641
Action Type: REMEDIATION
Date: 01/20/2009
Action: Excavation

Global Id: T10000000641
Action Type: ENFORCEMENT
Date: 01/06/2009
Action: Staff Letter

Global Id: T10000000641
Action Type: Other
Date: 12/22/2008
Action: Leak Reported

Global Id: T10000000641
Action Type: RESPONSE
Date: 02/06/2009
Action: Other Report / Document

Global Id: T10000000641
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T10000000641
Action Type: RESPONSE
Date: 04/15/2009
Action: Soil and Water Investigation Report

G. H. PALMER & ASSOCIATES (Continued) **S109348505**

Global Id: T10000000641
Action Type: ENFORCEMENT
Date: 01/30/2009
Action: Staff Letter

Global Id: T10000000641
Action Type: Other
Date: 07/17/2008
Action: Leak Discovery

Global Id: T10000000641
Action Type: Other
Date: 07/17/2008
Action: Leak Stopped

Global Id: T10000000641
Action Type: RESPONSE
Date: 04/15/2010
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T10000000641
Status: Open - Case Begin Date
Status Date: 07/17/2008

Global Id: T10000000641
Status: Open - Verification Monitoring
Status Date: 11/18/2008

Global Id: T10000000641
Status: Completed - Case Closed
Status Date: 07/02/2012

CORTESE:
Name: G. H. PALMER & ASSOCIATES
Address: 867 CESAR CHAVEZ AVE.
City,State,Zip: LOS ANGELES, CA 90012
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000000641
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

G. H. PALMER & ASSOCIATES (Continued) **S109348505**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: G. H. PALMER & ASSOCIATES
Address: 867 CESAR CHAVEZ AVE.
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 206770
CERS ID: T10000000641
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: Maryam Renard - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766699,

X111 **NAVAL RESERVE ARMORY** **FUDS** **1024903915**
East **N/A**
1/4-1/2 **CHAVEZ RAVINE RD, CA**
0.427 mi.
2257 ft. **Site 1 of 2 in cluster X**

Relative:
Lower

Actual:
393 ft.

FUDS:
EPA Region: 09
Installation ID: CA99799F997500
Congressional District Number: 34
Name: NAVAL RESERVE ARMORY
FUDS Number: J09CA7152
City: CHAVEZ RAVINE RD
State: CA
County: LOS ANGELES
Object ID: 533
USACE Division: SPD
USACE District: Los Angeles District (SPL)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: https://fudsportal.usace.army.mil/ems/inventory/map?id=54075
Eligibility: Ineligible
Has Projects: No
NPL Status: Not reported

NAVAL RESERVE ARMORY (Continued) **1024903915**

Project Required: No
Feature Description: N/A
Latitude: 34.06861111
Longitude: -118.24166667

X112 **NAVAL RESERVE ARMORY** **ENVIROSTOR** **S107736852**
East **N/A**
1/4-1/2 **CHAVEZ RAVINE RD, CA**
0.431 mi.
2278 ft. **Site 2 of 2 in cluster X**

Relative:
Lower

Actual:
394 ft.

ENVIROSTOR:
Name: NAVAL RESERVE ARMORY
Address: Not reported
City,State,Zip: CHAVEZ RAVINE RD, CA
Facility ID: 80000854
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.06861
Longitude: -118.2416
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Explosives (UXO, MEC
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F997500
Alias Type: Federal Facility ID
Alias Name: J09CA7152
Alias Type: INPR
Alias Name: 80000854
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 07/28/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported

NAVAL RESERVE ARMORY (Continued) **S107736852**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Y113 **1260** **US BROWNFIELDS** **1018272959**
SW **1260 W. COURT ST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90026**
0.447 mi.
2361 ft. **Site 1 of 2 in cluster Y**

Relative: **Higher**
Actual: **425 ft.**

US BROWNFIELDS:

Name:	1260
Address:	1260 W. COURT ST
Recipient name:	City of Los Angeles - Department of Public Works
Grant type:	Assessment
Region:	9
Property Number:	5160-019-013
Parcel size:	0.1
Latitude:	34.0634919
Longitude:	-118.256041
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: This site is a duplex with a home. According to the current owner Simon Bowler he bought the property in 2003 he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is David Linden. The current site is near a suspected oil well. The current owner believes that the site could be on an oil well, will need Phase I to confirm contaminates on site.
Datum:	North American Datum of 1983
Acres Property ID:	212621
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	2288
Assessment Funding Source:	EPA
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	99T09601
Start Date:	1/4/2016
Ownership Entity:	Private
Completion Date:	4/25/2016
Current Owner:	Simon Bowler
Did Owner Change:	N

1260 (Continued) **1018272959**

Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	This site is a duplex with a home. According to the current owner Simon Bowler he bought the property in 2003 he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is David Linden. The current site is near a suspected oil well. The current owner believes that the site could be on an oil well, will need Phase I to confirm contaminates on site.
Below Poverty Number:	4172
Below Poverty Percent:	29.35
Meidan Income:	6405
Meidan Income Number:	8973
Meidan Income Percent:	63.13
Vacant Housing Number:	413
Vacant Housing Percent:	7.31
Unemployed Number:	1248
Unemployed Percent:	8.78

Name:	1260
Address:	1260 W. COURT ST
Recipient name:	City of Los Angeles - Department of Public Works
Grant type:	Assessment
Region:	9
Property Number:	5160-019-013
Parcel size:	0.1
Latitude:	34.0634919
Longitude:	-118.256041
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station

1260 (Continued) **1018272959**

Highlights:	Former Use: This site is a duplex with a home. According to the current owner Simon Bowler he bought the property in 2003 he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is David Linden. The current site is near a suspected oil well. The current owner believes that the site could be on an oil well, will need Phase I to confirm contaminates on site.
Datum:	North American Datum of 1983
Acres Property ID:	212621
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	99T09601
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Simon Bowler
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Not reported
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported

1260 (Continued) **1018272959**

Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	This site is a duplex with a home. According to the current owner Simon Bowler he bought the property in 2003 he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is David Linden. The current site is near a suspected oil well. The current owner believes that the site could be on an oil well, will need Phase I to confirm contaminates on site.
Below Poverty Number:	4172
Below Poverty Percent:	29.35
Meidan Income:	6405
Meidan Income Number:	8973
Meidan Income Percent:	63.13
Vacant Housing Number:	413
Vacant Housing Percent:	7.31
Unemployed Number:	1248
Unemployed Percent:	8.78

Z114 **ARCO #81460** **LUST** **S104406287**
NNW **1467 SUNSET BLVD W** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90026** **CERS**
0.447 mi.
2362 ft. **Site 1 of 2 in cluster Z**

Relative: **Higher**
Actual: **433 ft.**

LUST:

Name:	ARCO #81460
Address:	1467 SUNSET BLVD W
City,State,Zip:	LOS ANGELES, CA 90026
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700732
Global Id:	T0603700732
Latitude:	34.0753589
Longitude:	-118.2539346
Status:	Completed - Case Closed
Status Date:	12/19/2002
Case Worker:	JW
RB Case Number:	900260307
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	YES
Quantity Released Gallons:	Not reported
Begin Date:	02/12/1999
Leak Reported Date:	02/25/2000
How Discovered:	* TR
How Discovered Description:	Not reported
Discharge Source:	Tank
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	12/19/2002

ARCO #81460 (Continued) **S104406287**

CA Water Watershed Name: Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name: Not reported
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 76-80%
CA Enviroscreen 4 Score: 75-80%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: LOS ANGELES RWQCB (REGION 4)
Site History: Not reported

LUST:
Global Id: T0603700732
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700732
Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: JIMMIE WOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: jwoo@waterboards.ca.gov
Phone Number: 2135766600

LUST:
Global Id: T0603700732
Action Type: ENFORCEMENT
Date: 06/27/2002
Action: Staff Letter

Global Id: T0603700732
Action Type: ENFORCEMENT
Date: 08/08/2000
Action: Staff Letter

Global Id: T0603700732
Action Type: ENFORCEMENT
Date: 12/19/2002
Action: Closure/No Further Action Letter

Global Id: T0603700732
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: RESPONSE

ARCO #81460 (Continued) **S104406287**

Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603700732
Action Type: RESPONSE
Date: 10/28/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: RESPONSE
Date: 10/28/2002
Action: Request for Closure

Global Id: T0603700732
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: Other
Date: 02/25/1999
Action: Leak Discovery

Global Id: T0603700732
Action Type: Other
Date: 02/25/2000
Action: Leak Reported

LUST:
Global Id: T0603700732
Status: Open - Case Begin Date
Status Date: 02/12/1999

Global Id: T0603700732
Status: Open - Site Assessment
Status Date: 02/12/1999

Global Id: T0603700732
Status: Open - Verification Monitoring
Status Date: 02/25/2000

Global Id: T0603700732
Status: Open - Site Assessment
Status Date: 04/13/2000

Global Id: T0603700732
Status: Open - Site Assessment
Status Date: 08/08/2000

Global Id: T0603700732
Status: Completed - Case Closed
Status Date: 12/19/2002

LUST REG 4:
Region: 4

ARCO #81460 (Continued) **S104406287**

Regional Board:	04	
County:	Los Angeles	
Facility Id:	900260307	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700732	
W Global ID:	W0603700547	
Staff:	JW	
Local Agency:	19050	
Cross Street:	PORTIA	
Enforcement Type:	CLOS	
Date Leak Discovered:	2/25/1999	
Date Leak First Reported:		2/25/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/15/2002
Date the Case was Closed:		12/19/2002
How Leak Discovered:	Repair Tank	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	SAED SHEHEED	
Water System:	FIRSTONE SCOUT RESRVTN (BOY SCOUT COUN)	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3759.359624007835159047677 3872
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		2/12/1999
Preliminary Site Assessment Began:		4/13/2000
Pollution Characterization Began:		8/8/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		2/25/2000
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		40900
Hist Max MTBE Conc in Soil:		1180
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	LESLIE WOHL	
RP Address:	P.O. BOX 5165	
Program:	LUST	
Lat/Long:	34.0753589 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	1900547-001GEN	
Summary:	REQUEST AN URF FROM LA CITY FD. (RECEIVED REFERRED LTR. PRIOR 1/6/2000	

ARCO #81460 (Continued) **S104406287**

FROM LA CITY FD); REC'D. URF 3/13/00

CORTESE:

Name:	ARCO #81460
Address:	1467 SUNSET BLVD W
City,State,Zip:	LOS ANGELES, CA 90026
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700732
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	ARCO #81460
Address:	1467 SUNSET BLVD W
City,State,Zip:	LOS ANGELES, CA 90026
Site ID:	226264
CERS ID:	T0603700732
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JIMMIE WOO - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 WEST 4TH STREET, SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766600,

Z115 **ARCO #81460** **HIST CORTESE** **S104568878**
NNW **1467 SUNSET** **N/A**
1/4-1/2 **LOS ANGELES, CA**
0.447 mi.
2362 ft. **Site 2 of 2 in cluster Z**

Relative: HIST CORTESE:
Higher
Actual: edr_fname: ARCO #81460
433 ft. edr_fadd1: 1467 SUNSET
City,State,Zip: LOS ANGELES, CA
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900260307

Y116 **COURT ST** **US BROWNFIELDS** **1018273103**
SW **1272-1276 W. COURT ST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90026**
0.469 mi.
2478 ft. **Site 2 of 2 in cluster Y**

Relative: US BROWNFIELDS:
Higher
Actual: Name: COURT ST
431 ft. Address: 1272-1276 W. COURT ST
Recipient name: City of Los Angeles - Department of Public Works
Grant type: Assessment
Region: 9
Property Number: 5160019032
Parcel size: 1
Latitude: 34.063746
Longitude: -118.256626
HCM Label: Address Matching-House Number
Map Scale: Not reported
Point of Reference: Entrance Point of a Facility or Station
Highlights: Former Use: This site is a duplex with three homes. According to the current owner William O. Lenihan Jr, he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is Hal England and Pete Atencio. The current owner believes that the site is on an oil well, will need Phase I to confirm contaminates on site.
Datum: North American Datum of 1983
Acres Property ID: 209261
IC Data Access: Not reported
Start Date: Not reported
Redev Completition Date: Not reported
Completed Date: Not reported
Acres Cleaned Up: Not reported
Cleanup Funding: Not reported
Cleanup Funding Source: Not reported
Assessment Funding: 5483
Assessment Funding Source: EPA
Redevelopment Funding: Not reported
Redev. Funding Source: Not reported
Redev. Funding Entity Name: Not reported
Redevelopment Start Date: Not reported
Assessment Funding Entity: US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity: Not reported
Grant Type: Petroleum
Accomplishment Type: Phase I Environmental Assessment
Accomplishment Count: Y

COURT ST (Continued) **1018273103**

Cooperative Agreement Number:	99T09601
Start Date:	12/10/2015
Ownership Entity:	Private
Completion Date:	3/11/2016
Current Owner:	William O. Lenihan Jr
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Unknown
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	1
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	This site is a duplex with three homes. According to the current owner William O. Lenihan Jr, he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is Hal England and Pete Atencio. The current owner believes that the site is on an oil well, will need Phase I to confirm contaminates on site.
Below Poverty Number:	4144
Below Poverty Percent:	29.62
Meidan Income:	6359
Meidan Income Number:	8988
Meidan Income Percent:	64.24
Vacant Housing Number:	352
Vacant Housing Percent:	6.42
Unemployed Number:	1290
Unemployed Percent:	9.22

Name:	COURT ST
Address:	1272-1276 W. COURT ST
Recipient name:	City of Los Angeles - Department of Public Works
Grant type:	Assessment
Region:	9
Property Number:	5160019032
Parcel size:	1

COURT ST (Continued) **1018273103**

Latitude:	34.063746
Longitude:	-118.256626
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: This site is a duplex with three homes. According to the current owner William O. Lenihan Jr, he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is Hal England and Pete Atencio. The current owner believes that the site is on an oil well, will need Phase I to confirm contaminates on site.
Datum:	North American Datum of 1983
Acres Property ID:	209261
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Not reported
Accomplishment Count:	Not reported
Cooperative Agreement Number:	99T09601
Start Date:	Not reported
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	William O. Lenihan Jr
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Contaminant Found:	Petroleum Products
Contaminant Cleanup:	Not reported
Media Affected:	Unknown
Media Cleanup:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	1

COURT ST (Continued) **1018273103**

Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Superfund Fed. landowner flag:	Not reported
Future Use: Multistory	Not reported
Past Use: Multistory	Not reported
Property Description:	This site is a duplex with three homes. According to the current owner William O. Lenihan Jr, he doesn't know the previous owner or how to get in contact with he/she. The name of the previous owner is Hal England and Pete Atencio. The current owner believes that the site is on an oil well, will need Phase I to confirm contaminates on site.
Below Poverty Number:	4144
Below Poverty Percent:	29.62
Meidan Income:	6359
Meidan Income Number:	8988
Meidan Income Percent:	64.24
Vacant Housing Number:	352
Vacant Housing Percent:	6.42
Unemployed Number:	1290
Unemployed Percent:	9.22

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117 SSW 1/2-1 0.616 mi. 3255 ft. **BELMONT LEARNING CENTER** **ENVIROSTOR S118756565**
1ST STREET/BEAUDRY **SCH N/A**
LOS ANGELES, CA 90012

Relative: Lower

Actual: 343 ft.

ENVIROSTOR:

Name:	BELMONT LEARNING CENTER
Address:	1ST STREET/BEAUDRY
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19820013
Status:	No Action Required
Status Date:	09/04/2003
Site Code:	300728
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	39
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05903
Longitude:	-118.2532
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES, FUEL - VEHICLE STORAGE/ REFUELING, OIL FIELD, RESIDENTIAL AREA, VEHICLE MAINTENANCE

BELMONT LEARNING CENTER (Continued) **S118756565**

Potential COC: * UNSPECIFIED OIL CONTAINING WASTE Methane Benzo[a]pyrene TPH-diesel Hydrogen sulfide Benzene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL, SV
Alias Name: BELMONT LEARNING CENTER
Alias Type: Alternate Name
Alias Name: BELMONT LEARNING CENTER
Alias Type: Alternate Name
Alias Name: BELMONT LEARNING COMPLEX
Alias Type: Alternate Name
Alias Name: LAUSD BELMONT LEARNING CENTER
Alias Type: Alternate Name
Alias Name: VISTA HERMOSA
Alias Type: Alternate Name
Alias Name: 300728
Alias Type: Project Code (Site Code)
Alias Name: 19820013
Alias Type: Envirostor ID Number
Alias Name: 60000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/21/2003
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/01/2003
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/05/2002
Comments: Not reported

BELMONT LEARNING CENTER (Continued) **S118756565**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/04/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	02/25/1999
Comments:	Sent fully executed agreement to district

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	BELMONT LEARNING CENTER
Address:	1ST STREET/BEAUDRY
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19820013
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	39
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	300728
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	09/04/2003
Restricted Use:	NO
Funding:	School District
Latitude:	34.05903
Longitude:	-118.2532
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES, FUEL - VEHICLE STORAGE/ REFUELING, OIL FIELD,

BELMONT LEARNING CENTER (Continued) **S118756565**

	RESIDENTIAL AREA, VEHICLE MAINTENANCE
Potential COC:	* UNSPECIFIED OIL CONTAINING WASTE, Methane, Benzo[a]pyrene, TPH-diesel, Hydrogen sulfide, Benzene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	BELMONT LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	BELMONT LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	BELMONT LEARNING COMPLEX
Alias Type:	Alternate Name
Alias Name:	LAUSD BELMONT LEARNING CENTER
Alias Type:	Alternate Name
Alias Name:	VISTA HERMOSA
Alias Type:	Alternate Name
Alias Name:	300728
Alias Type:	Project Code (Site Code)
Alias Name:	19820013
Alias Type:	Envirostor ID Number
Alias Name:	60000001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/21/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	01/21/2003
Comments:	accepted
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/01/2003
Comments:	accepted
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	08/29/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	10/29/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	09/05/2002
Comments:	Not reported

BELMONT LEARNING CENTER (Continued) **S118756565**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/04/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	02/25/1999
Comments:	Sent fully executed agreement to district
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

118
SSW
1/2-1
0.619 mi.
3267 ft.

VISTA HERMOSA
1101 W. 1ST STREET
LOS ANGELES, CA 90012

ENVIROSTOR **S107737580**
SCH **N/A**
CERS

Relative:
Lower

Actual:
336 ft.

ENVIROSTOR:

Name:	VISTA HERMOSA
Address:	1101 W. 1ST STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	60000001
Status:	Certified / Operation & Maintenance
Status Date:	10/26/2010
Site Code:	304420
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	35
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05937

VISTA HERMOSA (Continued) **S107737580**

Longitude: -118.2542
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - PETROLEUM, SCHOOL - OTHER
Potential COC: Benzene Methane Hydrogen sulfide TPH-diesel Benzo[a]pyrene
Confirmed COC: Methane Hydrogen sulfide
Potential Description: SV, IA
Alias Name: Belmont Learning Center
Alias Type: Alternate Name
Alias Name: Belmont Learning Complex
Alias Type: Alternate Name
Alias Name: Central Los Angeles High School #11
Alias Type: Alternate Name
Alias Name: E.R. Roybal Learning Center
Alias Type: Alternate Name
Alias Name: LAUSD-VISTA HERMOSA
Alias Type: Alternate Name
Alias Name: Vista Hermosa
Alias Type: Alternate Name
Alias Name: Vista Hermosa Park
Alias Type: Alternate Name
Alias Name: 110033614337
Alias Type: EPA (FRS #)
Alias Name: 300728
Alias Type: Project Code (Site Code)
Alias Name: 304420
Alias Type: Project Code (Site Code)
Alias Name: 19820013
Alias Type: Envirostor ID Number
Alias Name: 60000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/29/2003
Comments: New RI/FS for Vista Hermosa was submitted to DTSC on 9/29/03.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/29/2002
Comments: Fieldwork on 8/22/02

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE

VISTA HERMOSA (Continued) **S107737580**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/16/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/01/2006
Comments: First Quarter 2005 Groundwater monitoring report for OU2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/07/2006
Comments: Remedial Design Document was approved pending minor revisions in accordance with the comments provided in the DTSC approval letter. Construction of school scheduled to begin in late Feb. 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/10/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Document Type: Remedial Action Plan
Completed Date: 03/10/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/29/2015
Comments: DTSC approved the O&M report provided DTSC comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/06/2015
Comments: Concurred with the comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/09/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/18/2014
Comments: DTSC approved the revised oil well abandonment workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/21/2003

VISTA HERMOSA (Continued) **S107737580**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/05/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2018
Comments: FY 18/19 Estimate: $18,024

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/30/2017
Comments: Annual cost estimate letter sent to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE

VISTA HERMOSA (Continued) **S107737580**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/03/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/15/2014
Comments: DTSC approved the report provided DTSC comments are addressed in the field/future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/08/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/18/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/17/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 12/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/09/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate

VISTA HERMOSA (Continued) **S107737580**

Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/06/2008
Comments: Vista Hermosa Park RACR approved on 5/6/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 07/18/2008
Comments: Proposed Central Los Angeles HS #11 RACR approved on 7/18/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/16/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/29/2013
Comments: DTSC approval of baseline testing for EOC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/27/2012
Comments: DTSC approved the report provide comments are addressed in future fieldwork/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/26/2015
Comments: DTSC submitted comments electronically on the report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/19/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/15/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/30/2020

VISTA HERMOSA (Continued) **S107737580**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 07/08/2008
Comments: DTSC executed an O&M agreement for ongoing monitoring at the Vista Hermosa and Roybal site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/22/1999
Comments: Rec'd signed agreement and sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 05/10/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 07/18/2008
Comments: site approved for occupany on 7/17/2008

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/24/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/04/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/26/2011
Comments: DTSC approved the methane mitigation system design at the new Emergency Operation Center building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/27/2009

VISTA HERMOSA (Continued) **S107737580**

Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/04/2016
Comments: Concurred with the Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/12/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/17/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/19/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/26/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/08/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/29/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/31/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/23/2009

VISTA HERMOSA (Continued) **S107737580**

Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	05/11/2009
Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	08/10/2011
Comments:	DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	05/07/2012
Comments:	DTSC approved the O&M report provided DTSC comments are addressed during future field work/reports
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	02/25/2014
Comments:	DTSC approved the report with comments
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	03/09/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	05/27/2017
Comments:	Concurred with comments.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	07/10/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	5 Year Review Reports
Completed Date:	06/20/2019
Comments:	DTSC conditionally approved the Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	12/12/2018
Comments:	Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/23/2018
Comments: DTSC conditionally approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/31/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/07/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/02/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification

VISTA HERMOSA (Continued) **S107737580**

Completed Date: 10/26/2010
Comments: DTSC certified that the response action according to the DTSC-approved RAP is complete. Operation and maintenance is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/21/2008
Comments: Historical O&M report uplodaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 07/16/2014
Comments: DTSC approved the workplan provided reporting requirements are incorporated into the site monitoring plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/04/2015
Comments: Concurred with the Report with a comment.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/30/2018
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/12/2019
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Document Type: Operation and Maintenance Report
Completed Date: 10/07/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/06/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 04/21/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 03/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 01/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 11/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2025
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: VISTA HERMOSA
Address: 1101 W. 1ST STREET
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: 60000001
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 35
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304420
Assembly: 51
Senate: 24
Special Program Status: Not reported
Status: Certified / Operation & Maintenance
Status Date: 10/26/2010
Restricted Use: NO
Funding: School District
Latitude: 34.05937
Longitude: -118.2542
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - PETROLEUM, SCHOOL - OTHER
Potential COC: Benzene, Methane, Hydrogen sulfide, TPH-diesel, Benzo[a]pyrene

CERS:

Name: VISTA HERMOSA
Address: 1101 W. 1ST STREET
City,State,Zip: LOS ANGELES, CA 90012
Site ID: 610774
CERS ID: 60000001
CERS Description: School Cleanup

Affiliation:

Affiliation Type Desc: Lead Project Manager

VISTA HERMOSA (Continued) **S107737580**

Entity Name:	Johnson Abraham
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Supervisor
Entity Name:	Shahir Haddad
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

119
WSW
1/2-1
0.621 mi.
3277 ft.

G.C. HEWITT COMPANY **ENVIROSTOR** **U001561156**
174 GLENDALE BLVD. **HIST UST** **N/A**
LOS ANGELES, CA 90026

Relative:
Lower

Actual:
349 ft.

ENVIROSTOR:

Name:	G.C. HEWITT COMPANY
Address:	174 GLENDALE BLVD.
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	19510058
Status:	Refer: Other Agency
Status Date:	08/15/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.06361
Longitude:	-118.2594
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* Sludge - Paint
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	JAMES HUNTLEY & COMPANY
Alias Type:	Alternate Name

G.C. HEWITT COMPANY (Continued) **U001561156**

Alias Name: CAD028523504
Alias Type: EPA Identification Number
Alias Name: 19510058
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/17/1984
Comments: INSPECTION(LOCAL) FIRE DEPT. 2 INSP/YR. 4 OR 5 YRS AGO RECEIVED CORRECTIVE COMMENTS ABOUT HSKPG OWNER: ROBERT & BARBARA BERG(44%) T/C W/ R.J.BERG 2/10/84 1)SOURCE ACT: CONSTRUCTION,JOB SITE WASTE-PAINT SLUDGE GENERATED & STORED ON SITE. 2)YR OF OPER 1966-PRESENT. 3)WASTE: HAULED BY J.C.INC (3650 E.26TH ST,VERNON,CA90023,213-268-3137) TO BKK LDFL,CASMALIA,& KETTLEMAN SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:
Name: G.C. HEWITT COMPANY
Address: 174 GLENDALE BLVD
City,State,Zip: LOS ANGELES, CA 90026
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000041601
Facility Type: Other
Other Type: PAINTING CONTRACTOR
Contact Name: R.J. BERG
Telephone: 2132509115
Owner Name: G.C. HEWITT COMPANY
Owner Address: 174 GLENDALE BOULEVARD
Owner City,St,Zip: LOS ANGELES, CA 90026
Total Tanks: 0001

G.C. HEWITT COMPANY (Continued) **U001561156**

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

120
NW
1/2-1
0.632 mi.
3337 ft.

HOLLOWAY DRY CLEANERS **Notify 65** **S100178588**
1159 ECHO PARK BLVD **N/A**
LOS ANGELES, CA 90026

Relative:
Lower

Actual:
396 ft.

NOTIFY 65:

Name:	HOLLOWAY DRY CLEANERS
Address:	1159 ECHO PARK BLVD
City,State,Zip:	LOS ANGELES, CA 90026-4212
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

121
NNW
1/2-1
0.687 mi.
3626 ft.

REGENCY CLEANERS **RCRA-SQG** **1000594357**
1411 ECHO PARK AVE **ENVIROSTOR** **CAD983581802**
LOS ANGELES, CA 90026 **CPS-SLIC**
VCP
DEED
FINDS
ECHO
DRYCLEANERS
CERS

Relative:
Lower

Actual:
400 ft.

RCRA Listings:

Date Form Received by Agency:	19910507
Handler Name:	Regency Cleaners
Handler Address:	1411 ECHO PARK AVE
Handler City,State,Zip:	LOS ANGELES, CA 90026
EPA ID:	CAD983581802
Contact Name:	KI JUN
Contact Address:	1411 ECHO PARK AVE
Contact City,State,Zip:	LOS ANGELES, CA 90026
Contact Telephone:	213-250-1973
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported

REGENCY CLEANERS (Continued) **1000594357**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	ECHO PARK AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90026
Owner Name:	Jun Ki Hwan
Owner Type:	Private
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JUN KI HWAN	
Legal Status:	Private

REGENCY CLEANERS (Continued) **1000594357**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19910507
Handler Name: REGENCY CLEANERS	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

ENVIROSTOR:

Name:	ECHO PARK PLAZA
Address:	1411 ECHO PARK AVENUE
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60001767
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	09/09/2014
Site Code:	301569
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement

REGENCY CLEANERS (Continued) **1000594357**

Acres:	0.37
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Luis Davis
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	45, 51
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	34.07825
Longitude:	-118.2567
APN:	5419-023-038
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE
Confirmed COC:	Tetrachloroethylene (PCE
Potential Description:	SOIL, SV
Alias Name:	5419-023-038
Alias Type:	APN
Alias Name:	301569
Alias Type:	Project Code (Site Code)
Alias Name:	60001767
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	01/13/2020
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	02/04/2021
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	01/07/2022
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction - Site Inspection/Visit
Completed Date:	01/06/2016
Comments:	completed on 1/6/2016
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/20/2012
Comments:	review was completed with recommendations for additional investigations

REGENCY CLEANERS (Continued) **1000594357**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/20/2012
Comments: workplan approved and implemented

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/14/2013
Comments: field work completed by consultant on 3-1-2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 08/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 07/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/13/2012
Comments: VCA executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: LUR - Notification Response
Completed Date: 06/19/2015
Comments: Uploading today, Drive by on Saturday, 6/20

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management

REGENCY CLEANERS (Continued) **1000594357**

Completed Date:	06/30/2021
Comments:	Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CPS-SLIC:

Name:	ECHO PARK PLAZA
Address:	1411 ECHO PARK PLAZA
City,State,Zip:	LOS ANGELES, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/05/2005
Global Id:	SL0603767361
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.078233
Longitude:	-118.256759
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	1166
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	12/10/2004
Leak Reported Date:	01/02/1965
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	04/05/2005
CA Water Watershed Name:	Los Angeles River - Los Angeles (412.10)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	71-75%
CA Enviroscreen 4 Score:	85-90%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

REGENCY CLEANERS (Continued) **1000594357**

VCP:

Name:	ECHO PARK PLAZA
Address:	1411 ECHO PARK AVENUE
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60001767
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.37
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Luis Davis
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Site Code:	301569
Assembly:	45, 51
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	09/09/2014
Restricted Use:	YES
Funding:	Not Applicable
Lat/Long:	34.07825 / -118.2567
APN:	5419-023-038
Past Use:	DRY CLEANING
Potential COC:	30022
Confirmed COC:	30022
Potential Description:	SOIL, SV
Alias Name:	5419-023-038
Alias Type:	APN
Alias Name:	301569
Alias Type:	Project Code (Site Code)
Alias Name:	60001767
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	01/13/2020
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	02/04/2021
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction Monitoring Report
Completed Date:	01/07/2022
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

REGENCY CLEANERS (Continued) **1000594357**

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/06/2016
Comments: completed on 1/6/2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/20/2012
Comments: review was completed with recommendations for additional investigations

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/20/2012
Comments: workplan approved and implemented

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/14/2013
Comments: field work completed by consultant on 3-1-2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 08/02/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/25/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 07/26/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/13/2012
Comments: VCA executed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification

REGENCY CLEANERS (Continued) **1000594357**

Completed Date: 02/25/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: LUR - Notification Response
Completed Date: 06/19/2015
Comments: Uploading today, Drive by on Saturday, 6/20

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: ECHO PARK PLAZA
Address: 1411 ECHO PARK AVENUE
City,State,Zip: LOS ANGELES, CA 90026
Envirostor ID: 60001767
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

FINDS:
Registry ID: 110002843932

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

REGENCY CLEANERS (Continued) **1000594357**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000594357
Registry ID:	110002843932
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002843932
Name:	REGENCY CLEANERS
Address:	1411 ECHO PARK AVE
City,State,Zip:	LOS ANGELES, CA 90026

DRYCLEANERS:

Name:	REGENCY CLEANERS
Address:	1411 ECHO PARK AVE STE 102
City,State,Zip:	LOS ANGELES, CA 900260000
EPA Id:	CAL000303521
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	02/17/2006
Facility Active:	No
Inactive Date:	06/30/2008
Facility Addr2:	Not reported
Owner Name:	HYUN SOOK YANG
Owner Address:	1411 ECHO PARK AVE 102
Owner Address 2:	Not reported
Owner Telephone:	2134829986
Contact Name:	HYUN SOOK YANG OWNER
Contact Address:	1411 ECHO PARK AVE STE 102
Contact Address 2:	Not reported
Contact Telephone:	2134829986
Contact Fax:	2134829986
Mailing Name:	Not reported
Mailing Address 1:	1411 ECHO PARK AVE STE 102
Mailing Address 2:	Not reported
Mailing City:	LOS ANGELES
Mailing State:	CA
Mailing Zip:	900260000
Owner Fax:	2134829986
Region Code:	3
Latitude:	34.07816
Longitude:	-118.256612

Name:	REGENCY CLEANERS
Address:	1411 ECHO PARK AVE STE 102
City,State,Zip:	LOS ANGELES, CA 900263300
EPA Id:	CAL000344553
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/06/2009
Facility Active:	No
Inactive Date:	06/30/2013
Facility Addr2:	Not reported

REGENCY CLEANERS (Continued) **1000594357**

Owner Name:	KWI MOON. KANG
Owner Address:	1026 S OXFORD AVE UNIT 302
Owner Address 2:	Not reported
Owner Telephone:	2135989828
Contact Name:	KRIS KANG OWNER
Contact Address:	1026 S OXFORD AVE UNIT 302
Contact Address 2:	Not reported
Contact Telephone:	2135989828
Contact Fax:	0
Mailing Name:	Not reported
Mailing Address 1:	1411 ECHO PARK AVE STE 102
Mailing Address 2:	Not reported
Mailing City:	LOS ANGELES
Mailing State:	CA
Mailing Zip:	900263300
Owner Fax:	0
Region Code:	3
Latitude:	34.07823
Longitude:	-118.25676

Name:	REGENCY CLEANERS
Address:	1411 ECHO PARK AVE STE 102
City,State,Zip:	LOS ANGELES, CA 900260000
EPA Id:	CAD983581802
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	05/07/1991
Facility Active:	No
Inactive Date:	02/17/2006
Facility Addr2:	Not reported
Owner Name:	JAI SUNG SHIM
Owner Address:	1411 ECHO PARK AVE #102
Owner Address 2:	Not reported
Owner Telephone:	2134829986
Contact Name:	JAEHYUK KWAK (JASON)
Contact Address:	1411 ECHO PARK AVE
Contact Address 2:	Not reported
Contact Telephone:	9099972123
Contact Fax:	Not reported
Mailing Name:	Not reported
Mailing Address 1:	11415 MAGNOLIA AVE #8
Mailing Address 2:	Not reported
Mailing City:	RIVERSIDE
Mailing State:	CA
Mailing Zip:	92505
Owner Fax:	Not reported
Region Code:	4
Latitude:	34.078113
Longitude:	-118.256505

CERS:

Name:	ECHO PARK PLAZA
Address:	1411 ECHO PARK PLAZA
City,State,Zip:	LOS ANGELES, CA
Site ID:	202270

REGENCY CLEANERS (Continued) **1000594357**

CERS ID: SL0603767361
CERS Description: Cleanup Program Site

122
WSW
1/2-1
0.724 mi.
3825 ft.

PROPOSED ROCKWOOD CHARTER SCHOOL
1552 ROCKWOOD STREET
LOS ANGELES, CA 90026

ENVIROSTOR
VCP
DEED

S117038712
N/A

Relative:
Lower

Actual:
402 ft.

ENVIROSTOR:

Name:	PROPOSED ROCKWOOD CHARTER SCHOOL
Address:	1552 ROCKWOOD STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60002072
Status:	Certified / Operation & Maintenance
Status Date:	01/15/2021
Site Code:	401680
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	1.22
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.06304
Longitude:	-118.2619
APN:	5159-013-010, 5159-013-013, 5159-013-014, 5159-013-015, 5159-013-016, 5159-013-017, 5159-013-018, 5159-013-019, 5159-014-001
Past Use:	OIL FIELD
Potential COC:	Under Investigation Lead Methane TPH-diesel TPH-gas TPH-MOTOR OIL Cadmium and compounds Copper and compounds
Confirmed COC:	Lead Methane TPH-diesel TPH-gas Copper and compounds Under Investigation
Potential Description:	SOIL, SV
Alias Name:	5159-013-010
Alias Type:	APN
Alias Name:	5159-013-013
Alias Type:	APN
Alias Name:	5159-013-014
Alias Type:	APN
Alias Name:	5159-013-015
Alias Type:	APN
Alias Name:	5159-013-016
Alias Type:	APN
Alias Name:	5159-013-017
Alias Type:	APN
Alias Name:	5159-013-018
Alias Type:	APN
Alias Name:	5159-013-019
Alias Type:	APN

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Alias Name: 5159-014-001
Alias Type: APN
Alias Name: 401680
Alias Type: Project Code (Site Code)
Alias Name: 60002072
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/17/2014
Comments: DTSC partially approved the PEA Workplan in an email dated 10/13/2014, with methane sampling issue pending further discussion. Upon discussion during the site visit on 10/17/2014, an agreement was reached that methane samples would be collected at the remaining soil gas probes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2017
Comments: Mailed annual cost estimate letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $11,185

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/29/2018
Comments: FY 17/18 Revised Oversight Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2020

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/06/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/21/2015
Comments: Vapor intrusion mitigation measurement is applied to the entire campus of Rockwood Charter High School. Dig restriction and soil management are applied to the four parcels (5159-013-017, 5159-013-018, 5159-013-010, 5159-014-001) where soil impact was identified at depth beyond 8 feet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 07/01/2015
Comments: The DTSC approved the Addendum to Initial Study/Mitigated Negative Declaration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: Annual Cost Estimate letter sent to RP on 9/14/16.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/12/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/17/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/24/2015
Comments: DTSC approved the fact sheet for distribution.

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/28/2015
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in the final operation and maintenance plan.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/22/2016
Comments: DTSC approved the operation and maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/07/2015
Comments: The O&M plan included in the RACR was revised in response to DTSC's comments, and this final version is approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/18/2018
Comments: DTSC approved the operation and maintenance report and responses to comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/17/2017
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/04/2019
Comments: DTSC approved the O&M report as amended by the Responses to Comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/15/2021
Comments: DTSC certified the Site with Operation and Maintenance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Future Due Date:	2026
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	PROPOSED ROCKWOOD CHARTER SCHOOL
Address:	1552 ROCKWOOD STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60002072
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.22
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401680
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified / Operation & Maintenance
Status Date:	01/15/2021
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.06304 / -118.2619
APN:	5159-013-010, 5159-013-013, 5159-013-014, 5159-013-015, 5159-013-016, 5159-013-017, 5159-013-018, 5159-013-019, 5159-014-001
Past Use:	OIL FIELD
Potential COC:	31001, 30013, 30015, 30024, 30025, 3002502, 30108, 30156
Confirmed COC:	30013,30015,30024,30025,30156,31001
Potential Description:	SOIL, SV
Alias Name:	5159-013-010
Alias Type:	APN
Alias Name:	5159-013-013
Alias Type:	APN
Alias Name:	5159-013-014
Alias Type:	APN
Alias Name:	5159-013-015
Alias Type:	APN
Alias Name:	5159-013-016
Alias Type:	APN
Alias Name:	5159-013-017
Alias Type:	APN
Alias Name:	5159-013-018
Alias Type:	APN
Alias Name:	5159-013-019
Alias Type:	APN
Alias Name:	5159-014-001
Alias Type:	APN
Alias Name:	401680

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Alias Type: Project Code (Site Code)
Alias Name: 60002072
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 10/17/2014
Comments: DTSC partially approved the PEA Workplan in an email dated 10/13/2014, with methane sampling issue pending further discussion. Upon discussion during the site visit on 10/17/2014, an agreement was reached that methane samples would be collected at the remaining soil gas probes.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/07/2017
Comments: Mailed annual cost estimate letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/06/2018
Comments: FY 1819 Estimate: $11,185

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/29/2018
Comments: FY 17/18 Revised Oversight Cost Estimate letter sent to RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/06/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/27/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 08/21/2015
Comments: Vapor intrusion mitigation measurement is applied to the entire campus of Rockwood Charter High School. Dig restriction and soil management are applied to the four parcels (5159-013-017, 5159-013-018, 5159-013-010, 5159-014-001) where soil impact was identified at depth beyond 8 feet.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/28/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 06/06/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 07/01/2015
Comments: The DTSC approved the Addendum to Initial Study/Mitigated Negative Declaration.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2016
Comments: Annual Cost Estimate letter sent to RP on 9/14/16.

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/14/2015
Comments: Annual Cost Estimate emailed and mailed to BP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/24/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/12/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/17/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/24/2015
Comments: DTSC approved the fact sheet for distribution.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Completed Date: 09/28/2015
Comments: DTSC approved the Removal Action Completion Report provided DTSC comments are incorporated in the final operation and maintenance plan.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/22/2016
Comments: DTSC approved the operation and maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/07/2015
Comments: The O&M plan included in the RACR was revised in response to DTSC's comments, and this final version is approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/18/2018
Comments: DTSC approved the operation and maintenance report and responses to comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/17/2017
Comments: DTSC approved the Operation and Maintenance report provided DTSC comments are incorporated in future reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/04/2019
Comments: DTSC approved the O&M report as amended by the Responses to Comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 01/15/2021
Comments: DTSC certified the Site with Operation and Maintenance.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

PROPOSED ROCKWOOD CHARTER SCHOOL (Continued) **S117038712**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: PROPOSED ROCKWOOD CHARTER SCHOOL
Address: 1552 ROCKWOOD STREET
City,State,Zip: LOS ANGELES, CA 90026
Envirostor ID: 60002072
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED / OPERATION & MAINTENANCE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

AA123 **BLOSSOM PLAZA** **ENVIROSTOR** **S109691862**
ESE **900 NORTH BROADWAY** **VCP** **N/A**
1/2-1 **LOS ANGELES, CA 90012** **ENF**
0.785 mi. **NPDES**
4144 ft. **Site 1 of 2 in cluster AA** **CIWQS**

Relative: **Lower**
Actual: **304 ft.**

ENVIROSTOR:
Name: BLOSSOM PLAZA
Address: 900 NORTH BROADWAY
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: 60001902
Status: Certified
Status Date: 04/14/2015
Site Code: 301619
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 1.9
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 51
Senate: 24
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06425
Longitude: -118.2366
APN: 5414013012, 5414013900
Past Use: HOTEL, RETAIL, RETAIL - SERVICE STATION, UNDERGROUND STORAGE TANKS
Potential COC: Under Investigation Benzene Lead Methane TPH-diesel TPH-gas Ethylbenzene Toluene Xylenes
Confirmed COC: Benzene 30013-NO Methane 30024-NO 30025-NO Ethylbenzene Xylenes Toluene 31001-NO
Potential Description: OTH, SOIL, SV, UE
Alias Name: 5414013012

BLOSSOM PLAZA (Continued) **S109691862**

Alias Type: APN
Alias Name: 5414013900
Alias Type: APN
Alias Name: 301619
Alias Type: Project Code (Site Code)
Alias Name: 60001902
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/06/2015
Comments: Work Plan Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/01/2015
Comments: Sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/18/2013
Comments: DTSC approved the HHRE. Based on the HHRE, the residual petroleum-related VOCs detected in soil vapor do not pose an unacceptable risk to future occupants in the proposed multi-level buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/2015
Comments: Approval of Final Utility Trench Results

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/21/2014
Comments: DTSC approved final TCRA Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/20/2013
Comments: DTSC approved the Soil Vapor Survey Results and determined no further environmental investigation of the Sit is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/27/2013
Comments: Further action required at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan

BLOSSOM PLAZA (Continued) **S109691862**

Completed Date:	09/18/2013
Comments:	DTSC reviewed and approved the Soil Vapor Sampling Plan to characterize the presence and nature of VOCs, methane, and hydrogen sulfide in the vadose zone beneath the proposed building foundation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Time Critical Removal Action Workplan
Completed Date:	06/30/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/18/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	12/18/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	12/18/2013
Comments:	DTSC concurred with the Risk Management Plan for soil, soil vapor, and groundwater for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	06/09/2013
Comments:	DTSC and Project Proponent (Forest City Blossom, LLC) entered into a Voluntary Cleanup Agreement to review and comment on PEAE documents.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement
Completed Date:	11/01/2013
Comments:	VCA Amendment to amend Scope of Work and DTSC Oversight Cost Estimate
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	12/20/2013
Comments:	Based on available Site data, DTSC concludes that further environmental investigation of the Site is not required.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported

BLOSSOM PLAZA (Continued) **S109691862**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: BLOSSOM PLAZA
Address: 900 NORTH BROADWAY
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: 60001902
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.9
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301619
Assembly: 51
Senate: 24
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: Certified
Status Date: 04/14/2015
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.06425 / -118.2366
APN: 5414013012, 5414013900
Past Use: HOTEL, RETAIL, RETAIL - SERVICE STATION, UNDERGROUND STORAGE TANKS
Potential COC: 31001, 30003, 30013, 30015, 30024, 30025, 30272, 30550, 30593
Confirmed COC: 30003,30013-NO,30015,30024-NO,30025-NO,30272,30593,30550,31001-NO
Potential Description: OTH, SOIL, SV, UE
Alias Name: 5414013012
Alias Type: APN
Alias Name: 5414013900
Alias Type: APN
Alias Name: 301619
Alias Type: Project Code (Site Code)
Alias Name: 60001902
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/06/2015
Comments: Work Plan Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 04/01/2015
Comments: Sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

BLOSSOM PLAZA (Continued) **S109691862**

Completed Document Type: Risk Assessment Report
Completed Date: 12/18/2013
Comments: DTSC approved the HHRE. Based on the HHRE, the residual petroleum-related VOCs detected in soil vapor do not pose an unacceptable risk to future occupants in the proposed multi-level buildings.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/01/2015
Comments: Approval of Final Utility Trench Results

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/21/2014
Comments: DTSC approved final TCRA Completion Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/20/2013
Comments: DTSC approved the Soil Vapor Survey Results and determined no further environmental investigation of the Sit is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/27/2013
Comments: Further action required at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/18/2013
Comments: DTSC reviewed and approved the Soil Vapor Sampling Plan to characterize the presence and nature of VOCs, methane, and hydrogen sulfide in the vadose zone beneath the proposed building foundation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/18/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/18/2014
Comments: Not reported

BLOSSOM PLAZA (Continued) **S109691862**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/18/2013
Comments: DTSC concurred with the Risk Management Plan for soil, soil vapor, and groundwater for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 06/09/2013
Comments: DTSC and Project Proponent (Forest City Blossom, LLC) entered into a Voluntary Cleanup Agreement to review and comment on PEAE documents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/01/2013
Comments: VCA Amendment to amend Scope of Work and DTSC Oversight Cost Estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 12/20/2013
Comments: Based on available Site data, DTSC concludes that further environmental investigation of the Site is not required.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENF:
Name: BLOSSOM PLAZA MIXED USE COMMUNITY
Address: 900 NORTH BROADWAY STREET
City,State,Zip: LOS ANGELES, CA 90012
Region: 4
Facility Id: 633078
Agency Name: Los Angeles City Dept of Transportation
Place Type: Service/Commercial
Place Subtype: Service/Commercial Site, NEC
Facility Type: All other facilities
Agency Type: City Agency
Of Agencies: 1
Place Latitude: 34.064167
Place Longitude: -118.2375
SIC Code 1: 6512
SIC Desc 1: Operators of Nonresidential Buildings
SIC Code 2: 6552
SIC Desc 2: Land Subdividers and Developers, Except Cemeteries
SIC Code 3: Not reported
SIC Desc 3: Not reported

BLOSSOM PLAZA (Continued) **S109691862**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.144
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B197500075
Reg Measure Id:	302412
Reg Measure Type:	Enrollee
Region:	4
Order #:	R4-2008-0032
Npdes# CA#:	CAG994004
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4800
Status:	Historical
Status Date:	11/15/2013
Effective Date:	08/30/2005
Expiration/Review Date:	06/05/2013
Termination Date:	11/12/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	359085
Region:	4
Order / Resolution Number:	R4-2008-0186-M
Enforcement Action Type:	Expedited Payment Letter
Effective Date:	12/19/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	07/06/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	12/19/2008

BLOSSOM PLAZA (Continued) **S109691862**

Status:	Withdrawn
Title:	Expedited Payment Letter sent 12/19/08 for 8 late monitoring reports.
Description:	Expedited Payment Letter sent 12/19/08 for 8 late monitoring reports. MMP amt for 8 late monitoring reports: $300,000 to WDPF. Per 2009 Enforcement Policy Late Report w/o discharge are exempt from MMPs.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BLOSSOM PLAZA MIXED USE COMMUNITY
Address:	900 NORTH BROADWAY STREET
City,State,Zip:	LOS ANGELES, CA 90012
Region:	4
Facility Id:	633078
Agency Name:	Los Angeles City Dept of Transportation
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	34.064167
Place Longitude:	-118.2375
SIC Code 1:	6512
SIC Desc 1:	Operators of Nonresidential Buildings
SIC Code 2:	6552
SIC Desc 2:	Land Subdividers and Developers, Except Cemeteries
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.144
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B197500075

BLOSSOM PLAZA (Continued) **S109691862**

Reg Measure Id:	302412
Reg Measure Type:	Enrollee
Region:	4
Order #:	R4-2008-0032
Npdes# CA#:	CAG994004
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	4800
Status:	Historical
Status Date:	11/15/2013
Effective Date:	08/30/2005
Expiration/Review Date:	06/05/2013
Termination Date:	11/12/2013
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	341730
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	01/29/2008
Adoption/Issuance Date:	01/29/2008
Achieve Date:	Not reported
Termination Date:	02/01/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV sent 1/29/08 for 9 overdue DMRs (3Q05-3Q07).
Description:	NOV sent 1/29/08 for 9 overdue DMRs (3Q05-3Q07).
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Name:	BLOSSOM PLAZA
Address:	900 NORTH BROADWAY
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported

BLOSSOM PLAZA (Continued) **S109691862**

Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C368017
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/16/2016
Operator Name:	Forest City Blossom LLC
Operator Address:	949 S Hope Street
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90015

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	441290
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C368017
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/18/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/23/2016
Discharge Name:	Forest City Blossom LLC
Discharge Address:	949 S Hope Street
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90015
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported

BLOSSOM PLAZA (Continued) **S109691862**

Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	441290
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C368017
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/23/2016

BLOSSOM PLAZA (Continued) **S109691862**

Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/02/2013
Processed Date:	10/18/2013
Status:	Terminated
Status Date:	08/16/2016
Place Size:	1.86
Place Size Unit:	Acres
Contact:	Frank Frallicciardi
Contact Title:	Not reported
Contact Phone:	213-416-2200
Contact Phone Ext:	Not reported
Contact Email:	FrankFrallicciardi@ForestCity.net
Operator Name:	Forest City Blossom LLC
Operator Address:	949 S Hope Street
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90015
Operator Contact:	Frank Frallicciardi
Operator Contact Title:	Not reported
Operator Contact Phone:	213-416-2200
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	FrankFrallicciardi@ForestCity.net
Operator Type:	Private Business
Developer:	Forest City Blossom LLC
Developer Address:	949 S Hope Street
Developer City:	Los Angeles
Developer State:	California
Developer Zip:	90015
Developer Contact:	Frank Frallicciardi
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Frank Frallicciardi
Certifier Title:	Vice President

BLOSSOM PLAZA (Continued) **S109691862**

Certification Date: 02-OCT-13
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:
Name: BLOSSOM PLAZA
Address: 900 NORTH BROADWAY
City,State,Zip: LOS ANGELES, CA 90012
Agency: Forest City Blossom LLC
Agency Address: 949 S Hope Street Forest City, Los Angeles, CA 90015
Place/Project Type: Construction - Commercial, Residential
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C368017
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/18/2013
Termination Date: 05/23/2016
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.06425
Longitude: -118.23664

Name: BLOSSOM PLAZA MIXED USE COMMUNITY
Address: 900 NORTH BROADWAY STREET
City,State,Zip: LOS ANGELES, CA 90012
Agency: Forest City Blossom, LLC
Agency Address: 949 South Hope Street, Los Angeles, CA 90015
Place/Project Type: Service/Commercial Site, NEC
SIC/NAICS: 6512(+)
Region: 4
Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: R4-2013-0095
WDID: 4B198901023
NPDES Number: CAG994004
Adoption Date: Not reported
Effective Date: 12/19/2013
Termination Date: 02/23/2015
Expiration/Review Date: 07/06/2018
Design Flow: 0.072
Major/Minor: Minor
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0

BLOSSOM PLAZA (Continued) **S109691862**

Violations within 5 years:	0
Latitude:	34.064167
Longitude:	-118.2375
Name:	BLOSSOM PLAZA MIXED USE COMMUNITY
Address:	900 NORTH BROADWAY STREET
City,State,Zip:	LOS ANGELES, CA 90012
Agency:	Los Angeles City Dept of Trans
Agency Address:	100 South Main Street 10th Flr, Los Angeles, CA 90012
Place/Project Type:	Service/Commercial Site, NEC
SIC/NAICS:	6512(+)
Region:	4
Program:	NPDNONMUNIPRCS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	R4-2008-0032
WDID:	4B197500075
NPDES Number:	CAG994004
Adoption Date:	Not reported
Effective Date:	08/30/2005
Termination Date:	11/12/2013
Expiration/Review Date:	06/05/2013
Design Flow:	0.144
Major/Minor:	Minor
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.064167
Longitude:	-118.2375

AA124 **CORNFIELD SITE** **ENVIROSTOR** **S104573224**
ESE **1245 N. SPRING STREET** **VCP** **N/A**
1/2-1 **LOS ANGELES, CA 90012**
0.820 mi.
4332 ft. **Site 2 of 2 in cluster AA**

Relative:
Lower

Actual:
293 ft.

ENVIROSTOR:

Name:	CORNFIELD SITE
Address:	1245 N. SPRING STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19400013
Status:	Active
Status Date:	11/17/2014
Site Code:	301019
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	32
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Fatima Carrera
Supervisor:	Andres Cano
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24, 26
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO

CORNFIELD SITE (Continued) **S104573224**

Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06805
Longitude: -118.2322
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, RAIL ROAD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY
Potential COC: Arsenic Lead TPH-MOTOR OIL
Confirmed COC: Arsenic Lead TPH-MOTOR OIL
Potential Description: OTH, SOIL
Alias Name: CORNFIELDS
Alias Type: Alternate Name
Alias Name: CORNFIELDS RAILYARD
Alias Type: Alternate Name
Alias Name: CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: FORMER CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: 110033613686
Alias Type: EPA (FRS #)
Alias Name: 301019
Alias Type: Project Code (Site Code)
Alias Name: 19400013
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2002
Comments: DTSC approves Removal Action Workplan for Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/30/2016
Comments: Fieldwork for removal of arsenic and lead impacted soils on Phase I of Cornfield site completed. Contaminants were discovered during site construction activities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/01/1999
Comments: Additional subsurface characterization required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/11/2014
Comments: Final SAP reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/17/2002
Comments: Removal Action workplan will be drafted.

CORNFIELD SITE (Continued) **S104573224**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/01/1989
Comments: Investigation did not identify major areas of concern.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/01/2002
Comments: Report submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/15/2002
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/28/2001
Comments: DTSC and proponent, Dept. of Parks and Recreation, enter into Voluntary Cleanup Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan w/ESD
Completed Date: 03/13/2015
Comments: Final SRAW and TCRAW approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2015
Comments: Cornfield Site Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CORNFIELD SITE (Continued) **S104573224**

Completed Document Type: Correspondence
Completed Date: 10/31/2016
Comments: Annual Cost Estimate FY 16-17

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/2003
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/16/2002
Comments: Site characterization activities which included additional sampling have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: Draft Final PEA Report conditionally approved pending the submittal of the waste manifests to be included in the Final PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/01/1999
Comments: Investigation indicated both sale area (Cornfield site, 32 acre sub-parcel of a 50 acre site) and non-sale area (remaining property)contained impacted soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/01/1999
Comments: Further characterization required at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2019
Comments: cost estimate letter uploaded

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2024
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 06/07/2023
Schedule Revised Date: 04/07/2024

VCP:
Name: CORNFIELD SITE
Address: 1245 N. SPRING STREET

CORNFIELD SITE (Continued) **S104573224**

City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19400013
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	32
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Fatima Carrera
Supervisor:	Andres Cano
Division Branch:	Cleanup Chatsworth
Site Code:	301019
Assembly:	51
Senate:	24, 26
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Active
Status Date:	11/17/2014
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.06805 / -118.2322
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, RAIL ROAD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY
Potential COC:	30001, 30013, 3002502
Confirmed COC:	30001,30013,3002502
Potential Description:	OTH, SOIL
Alias Name:	CORNFIELDS
Alias Type:	Alternate Name
Alias Name:	CORNFIELDS RAILYARD
Alias Type:	Alternate Name
Alias Name:	CORNFIELDS SITE
Alias Type:	Alternate Name
Alias Name:	FORMER CORNFIELDS SITE
Alias Type:	Alternate Name
Alias Name:	110033613686
Alias Type:	EPA (FRS #)
Alias Name:	301019
Alias Type:	Project Code (Site Code)
Alias Name:	19400013
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	11/18/2002
Comments:	DTSC approves Removal Action Workplan for Site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	06/30/2016
Comments:	Fieldwork for removal of arsenic and lead impacted soils on Phase I of Cornfield site completed. Contaminants were discovered during site construction activities.

CORNFIELD SITE (Continued) **S104573224**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/01/1999
Comments: Additional subsurface characterization required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 09/11/2014
Comments: Final SAP reviewed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/17/2002
Comments: Removal Action workplan will be drafted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/01/1989
Comments: Investigation did not identify major areas of concern.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 10/01/2002
Comments: Report submitted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/15/2002
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/28/2001
Comments: DTSC and proponent, Dept. of Parks and Recreation, enter into Voluntary Cleanup Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/21/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CORNFIELD SITE (Continued) **S104573224**

Completed Document Type: Removal Action Workplan w/ESD
Completed Date: 03/13/2015
Comments: Final SRAW and TCRAW approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/21/2015
Comments: Cornfield Site Annual Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2016
Comments: Annual Cost Estimate FY 16-17

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/2003
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/16/2002
Comments: Site characterization activities which included additional sampling have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: Draft Final PEA Report conditionally approved pending the submittal of the waste manifests to be included in the Final PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/01/1999
Comments: Investigation indicated both sale area (Cornfield site, 32 acre sub-parcel of a 50 acre site) and non-sale area (remaining property)contained impacted soil and groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/01/1999
Comments: Further characterization required at site.

Completed Area Name: PROJECT WIDE

CORNFIELD SITE (Continued) **S104573224**

Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/24/2019
Comments:	cost estimate letter uploaded
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Certification
Future Due Date:	2024
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	06/07/2023
Schedule Revised Date:	04/07/2024

---

125 SW 1/2-1 0.867 mi. 4578 ft. **ALTERNATE CENTRAL LOS ANGELES HS NO. 10** **ENVIROSTOR SCH** **S105628641 N/A**
LUCAS AVENUE/MIRAMAR STREET
LOS ANGELES, CA 90026

Relative: Higher

Actual: 423 ft.

ENVIROSTOR:

Name:	ALTERNATE CENTRAL LOS ANGELES HS NO. 10
Address:	LUCAS AVENUE/MIRAMAR STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	19880038
Status:	Certified
Status Date:	12/12/2005
Site Code:	304309
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	18
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05924
Longitude:	-118.2612
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA, NONE
Potential COC:	Tetrachloroethylene (PCE Acetone Toluene Lead Benzene Xylenes Fluoranthene Arsenic Pyrene Ethylbenzene Polychlorinated biphenyls (PCBs Chrysene Asbestos Containing Materials (ACM Lead
Confirmed COC:	Asbestos Containing Materials (ACM Lead
Potential Description:	SED, SOIL, SV, SURFW, SOIL
Alias Name:	ALTERNATE CENTRAL LOS ANGELES HS #10
Alias Type:	Alternate Name
Alias Name:	LAUSD-ALTERNATE CENTRAL LA HS # 10
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Alias Type: Alternate Name
Alias Name: 110033614159
Alias Type: EPA (FRS #)
Alias Name: 304309
Alias Type: Project Code (Site Code)
Alias Name: 19880038
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 11/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/11/2005
Comments: Removal of Lead and Asbestos impacted debris material began on 11/3/2005 and was completed on 11/7/2005. Confirmation samples indicated the presence of Asbestos in three areas. Three remaining areas excavated on 11/11/2005. Confirmation samples indicate all impacted soil has been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 05/30/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/06/2001
Comments: Report provides background info.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Completed Date:	11/02/2005
Comments:	RAW approved for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	10/06/2005
Comments:	DTSC approves SSI report, and recommends further action. DTSC requires preparation of a RAW to remove construction debris.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	12/12/2005
Comments:	Approved RAC Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/13/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/10/2002
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	ALTERNATE CENTRAL LOS ANGELES HS NO. 10
Address:	LUCAS AVENUE/MIRAMAR STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	19880038
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	18
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304309
Assembly:	53

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Senate:	24
Special Program Status:	Not reported
Status:	Certified
Status Date:	12/12/2005
Restricted Use:	NO
Funding:	School District
Latitude:	34.05924
Longitude:	-118.2612
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA, NONE
Potential COC:	Tetrachloroethylene (PCE, Tetrachloroethylene (PCE, Acetone, Toluene, Lead, Benzene, Xylenes, Fluoranthene, Arsenic, Pyrene, Ethylbenzene, Polychlorinated biphenyls (PCBs, Chrysene, Asbestos Containing Materials (ACM, Lead
Confirmed COC:	Asbestos Containing Materials (ACM, Lead
Potential Description:	SED, SOIL, SV, SURFW, SOIL
Alias Name:	ALTERNATE CENTRAL LOS ANGELES HS #10
Alias Type:	Alternate Name
Alias Name:	LAUSD-ALTERNATE CENTRAL LA HS # 10
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	110033614159
Alias Type:	EPA (FRS #)
Alias Name:	304309
Alias Type:	Project Code (Site Code)
Alias Name:	19880038
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	11/14/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/28/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/08/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/11/2005

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Comments:	Removal of Lead and Asbestos impacted debris material began on 11/3/2005 and was completed on 11/7/2005. Confirmation samples indicated the presence of Asbestos in three areas. Three remaining areas excavated on 11/11/2005. Confirmation samples indicate all impacted soil has been removed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	05/30/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/06/2001
Comments:	Report provides background info.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	11/02/2005
Comments:	RAW approved for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	10/06/2005
Comments:	DTSC approves SSI report, and recommends further action. DTSC requires preparation of a RAW to remove construction debris.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	12/12/2005
Comments:	Approved RAC Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/13/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/10/2002
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Schedule Revised Date: Not reported

126
West
1/2-1
0.888 mi.
4687 ft.

IGLESIA NI CRISTO
141 NORTH UNION AVENUE
LOS ANGELES, CA 90026

ENVIROSTOR **S109548376**
VCP **N/A**

Relative:
Higher

Actual:
415 ft.

ENVIROSTOR:

Name:	IGLESIA NI CRISTO
Address:	141 NORTH UNION AVENUE
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60001080
Status:	No Further Action
Status Date:	10/08/2009
Site Code:	301416
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Assembly:	51
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.06532
Longitude:	-118.2655
APN:	5159-008-025
Past Use:	NONE
Potential COC:	Lead
Confirmed COC:	Lead
Potential Description:	SOIL
Alias Name:	5159-008-025
Alias Type:	APN
Alias Name:	301416
Alias Type:	Project Code (Site Code)
Alias Name:	60001080
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/15/2009
Comments:	NFA letter issued.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	07/29/2009
Comments:	Complete

IGLESIA NI CRISTO (Continued) **S109548376**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/05/2009
Comments:	NFA letter sent. CRU memo sent.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	10/08/2009
Comments:	NFA Issued. VCA Scope of work completed. CRU memo sent.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Name:	IGLESIA NI CRISTO
Address:	141 NORTH UNION AVENUE
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60001080
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Site Code:	301416
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	No Further Action
Status Date:	10/08/2009
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.06532 / -118.2655
APN:	5159-008-025
Past Use:	NONE
Potential COC:	30013
Confirmed COC:	30013
Potential Description:	SOIL
Alias Name:	5159-008-025
Alias Type:	APN
Alias Name:	301416
Alias Type:	Project Code (Site Code)
Alias Name:	60001080

IGLESIA NI CRISTO (Continued) **S109548376**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/15/2009
Comments: NFA letter issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 07/29/2009
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/05/2009
Comments: NFA letter sent. CRU memo sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 10/08/2009
Comments: NFA Issued. VCA Scope of work completed. CRU memo sent.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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127 **CENTRAL LOS ANGELES HIGH SCHOOL NO. 10** **ENVIROSTOR** **S118756526**
SW **350 S. BIXEL STREET** **SCH** **N/A**
1/2-1 **LOS ANGELES, CA 90017** **CERS**
0.926 mi.
4890 ft.

Relative:
Higher

Actual:
423 ft.

ENVIROSTOR:
Name: CENTRAL LOS ANGELES HIGH SCHOOL NO. 10
Address: 350 S. BIXEL STREET
City,State,Zip: LOS ANGELES, CA 90017-1417
Facility ID: 19390061
Status: No Action Required
Status Date: 05/20/2001
Site Code: 304282
Site Type: School Investigation
Site Type Detailed: School
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported

CENTRAL LOS ANGELES HIGH SCHOOL NO. 10 (Continued) **S118756526**

Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.05695
Longitude: -118.2597
APN: 5152014038
Past Use: MANUFACTURING - OTHER
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: CENTRAL LOS ANGELES HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: LAUSD-CENTRAL LA HS #10 AKA:CHMBR OF COM
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 5152014038
Alias Type: APN
Alias Name: 304282
Alias Type: Project Code (Site Code)
Alias Name: 19390061
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: CENTRAL LOS ANGELES HIGH SCHOOL NO. 10
Address: 350 S. BIXEL STREET
City,State,Zip: LOS ANGELES, CA 90017-1417
Facility ID: 19390061
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP

CENTRAL LOS ANGELES HIGH SCHOOL NO. 10 (Continued) **S118756526**

Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304282
Assembly:	53
Senate:	24
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	05/20/2001
Restricted Use:	NO
Funding:	School District
Latitude:	34.05695
Longitude:	-118.2597
APN:	5152014038
Past Use:	MANUFACTURING - OTHER
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	CENTRAL LOS ANGELES HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	LAUSD-CENTRAL LA HS #10 AKA:CHMBR OF COM
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	5152014038
Alias Type:	APN
Alias Name:	304282
Alias Type:	Project Code (Site Code)
Alias Name:	19390061
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CERS:

Name:	CENTRAL LOS ANGELES
Address:	350 S. BIXEL STREET
City,State,Zip:	LOS ANGELES, CA 90017-1417
Site ID:	606561
CERS ID:	19390061
CERS Description:	School Investigation

CENTRAL LOS ANGELES HIGH SCHOOL NO. 10 (Continued) **S118756526**

Affiliation:
- Affiliation Type Desc: Supervisor
- Entity Name: Javier Hinojosa
- Entity Title: Not reported
- Affiliation Address: Not reported
- Affiliation City: Not reported
- Affiliation State: Not reported
- Affiliation Country: Not reported
- Affiliation Zip: Not reported
- Affiliation Phone: ,

128
ESE
1/2-1
0.938 mi.
4953 ft.

MAGNUS COMPANY, INC **ENVIROSTOR** **S101480911**
860 NORTH MAIN STREET **N/A**
LOS ANGELES, CA 90012

Relative:
Lower

Actual:
291 ft.

ENVIROSTOR:
- Name: MAGNUS COMPANY, INC
- Address: 860 NORTH MAIN STREET
- City,State,Zip: LOS ANGELES, CA 90012
- Facility ID: 19370356
- Status: No Further Action
- Status Date: 01/24/1984
- Site Code: Not reported
- Site Type: Historical
- Site Type Detailed: * Historical
- Acres: 0
- NPL: NO
- Regulatory Agencies: NONE SPECIFIED
- Lead Agency: NONE SPECIFIED
- Program Manager: Not reported
- Supervisor: * Mmonroy
- Division Branch: Cleanup Chatsworth
- Assembly: 51
- Senate: 24
- Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
- Restricted Use: NO
- Site Mgmt Req: NONE SPECIFIED
- Funding: Not reported
- Latitude: 34.06083
- Longitude: -118.2352
- APN: NONE SPECIFIED
- Past Use: MANUFACTURING - METAL
- Potential COC: NONE SPECIFIED No Contaminants found
- Confirmed COC: 31000-NO
- Potential Description: NMA
- Alias Name: CAD980636138
- Alias Type: EPA Identification Number
- Alias Name: 19370355
- Alias Type: Envirostor ID Number
- Alias Name: 19370356
- Alias Type: Envirostor ID Number

Completed Info:
- Completed Area Name: PROJECT WIDE
- Completed Sub Area Name: Not reported

MAGNUS COMPANY, INC (Continued) **S101480911**

Completed Document Type:	Site Screening
Completed Date:	10/27/1994
Comments:	Database verification project confirms NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	01/24/1984
Comments:	FACILITY DRIVE-BY ASAP. ZONING & ACTIVITY CHANGES AT THIS AREA-US POSTAL SERVICE BLDG. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	09/28/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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129 WNW 1/2-1 0.961 mi. 5072 ft.

CENTRAL REGION ES #14
2115 MARATHON STREET
LOS ANGELES, CA 90026

ENVIROSTOR SCH CERS **S107736108 N/A**

Relative: Lower

Actual: 400 ft.

ENVIROSTOR:

Name:	CENTRAL REGION ES #14
Address:	2115 MARATHON STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60000074
Status:	Certified
Status Date:	02/04/2010
Site Code:	304496
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	3.35
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.0764
Longitude:	-118.265

CENTRAL REGION ES #14 (Continued) **S107736108**

APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Benzene Lead Tetrachloroethylene (PCE Chloroform
Confirmed COC: 30003-NO 30022-NO 30136-NO Lead
Potential Description: SOIL
Alias Name: LAUSD-PRPSD CENTRAL REGION ES #14 SITE
Alias Type: Alternate Name
Alias Name: 110033619403
Alias Type: EPA (FRS #)
Alias Name: 304496
Alias Type: Project Code (Site Code)
Alias Name: 60000074
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/15/2007
Comments: NOE was drafted prior to start of public comment period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/23/2006
Comments: DTSC approved SSI with no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/30/2006
Comments: DTSC issued a Further Action determination based on the Supplemental Site Investigation report. DTSC requested removal of lead contaminated soil

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/15/2007
Comments: Not reported

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 08/09/2006
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/20/2007
Comments: Approved the Fact sheet and public notice for public comment period from April 26, 2007 through May 25, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/23/2007
Comments: Approved the fact sheet and public notice for public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/19/2009
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/10/2005
Comments: SSI for data gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/08/2005
Comments: Not reported

Future Area Name: Not reported

CENTRAL REGION ES #14 (Continued) **S107736108**

Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	CENTRAL REGION ES #14
Address:	2115 MARATHON STREET
City,State,Zip:	LOS ANGELES, CA 90026
Facility ID:	60000074
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.35
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304496
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	Certified
Status Date:	02/04/2010
Restricted Use:	NO
Funding:	School District
Latitude:	34.0764
Longitude:	-118.265
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	Benzene, Lead, Tetrachloroethylene (PCE, Chloroform
Confirmed COC:	30003-NO, 30022-NO, 30136-NO, Lead
Potential Description:	SOIL
Alias Name:	LAUSD-PRPSD CENTRAL REGION ES #14 SITE
Alias Type:	Alternate Name
Alias Name:	110033619403
Alias Type:	EPA (FRS #)
Alias Name:	304496
Alias Type:	Project Code (Site Code)
Alias Name:	60000074
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/21/2009
Comments:	Not reported

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/15/2007
Comments: NOE was drafted prior to start of public comment period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/23/2006
Comments: DTSC approved SSI with no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/30/2006
Comments: DTSC issued a Further Action determination based on the Supplemental Site Investigation report. DTSC requested removal of lead contaminated soil

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 08/09/2006
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/20/2007
Comments: Approved the Fact sheet and public notice for public comment period from April 26, 2007 through May 25, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/23/2007
Comments: Approved the fact sheet and public notice for public comment period.

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/19/2009
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/10/2005
Comments: SSI for data gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/08/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: CENTRAL REGION ES #1
Address: 2115 MARATHON STREET
City,State,Zip: LOS ANGELES, CA 90026
Site ID: 606576
CERS ID: 60000074
CERS Description: School Cleanup

Affiliation:
Affiliation Type Desc: Lead Project Manager

CENTRAL REGION ES #14 (Continued) **S107736108**

Entity Name:	ANGELA GARCIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Supervisor
Entity Name:	Shahir Haddad
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

130
ESE
1/2-1
0.966 mi.
5101 ft.

Relative:
Lower

Actual:
294 ft.

1101 N MAIN
1101 NORTH MAIN STREET
LOS ANGELES, CA 90012

ENVIROSTOR **S113024985**
VCP **N/A**
HAZNET
NPDES
HAZMAT
CIWQS
HWTS

ENVIROSTOR:

Name:	1101 N MAIN
Address:	1101 NORTH MAIN STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	60002895
Status:	No Further Action
Status Date:	09/28/2020
Site Code:	301876
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	3.19
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Luis Davis
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	, 51
Senate:	, 24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.06375
Longitude:	-118.2336
APN:	NONE SPECIFIED
Past Use:	FOUNDRY, MACHINE SHOP, MAINTENANCE / CLEANING, METAL PLATING - OTHER, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE, TRANSPORTATION - WAREHOUSING
Potential COC:	Arsenic Lead Tetrachloroethylene (PCE TPH-gas TPH-MOTOR OIL

1101 N MAIN (Continued) **S113024985**

Trichloroethylene (TCE
Confirmed COC: Arsenic Lead Tetrachloroethylene (PCE TPH-gas TPH-MOTOR OIL
Trichloroethylene (TCE
Potential Description: SOIL, SV
Alias Name: 301876
Alias Type: Project Code (Site Code)
Alias Name: 60002895
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Further Action Letter
Completed Date: 04/14/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 05/05/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 11/18/2019
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/20/2020
Comments: Waiting for proponent to respond to final comments but decision for NFA has been made

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/17/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: 1101 N MAIN
Address: 1101 NORTH MAIN STREET
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: 60002895
Site Type: Voluntary Cleanup

1101 N MAIN (Continued) **S113024985**

Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.19
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Luis Davis
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Site Code:	301876
Assembly:	, 51
Senate:	, 24
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	No Further Action
Status Date:	09/28/2020
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.06375 / -118.2336
APN:	NONE SPECIFIED
Past Use:	FOUNDRY, MACHINE SHOP, MAINTENANCE / CLEANING, METAL PLATING - OTHER, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE, TRANSPORTATION - WAREHOUSING
Potential COC:	30001, 30013, 30022, 30025, 3002502, 30027
Confirmed COC:	30001,30013,30022,30025,3002502,30027
Potential Description:	SOIL, SV
Alias Name:	301876
Alias Type:	Project Code (Site Code)
Alias Name:	60002895
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Further Action Letter
Completed Date:	04/14/2020
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	05/05/2020
Comments:	Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	11/18/2019
Comments:	Accepted
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/20/2020
Comments:	Waiting for proponent to respond to final comments but decision for NFA has been made
Completed Area Name:	PROJECT WIDE

1101 N MAIN (Continued) **S113024985**

Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/17/2019
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
Name: BINER ELLISON MFG
Address: 1101 N MAIN ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900121831
Contact: TOM ELLISON
Telephone: 6267100768
Mailing Name: Not reported
Mailing Address: 1101 N MAIN ST

Year: 2007
Gepaid: CAL000009771
TSD EPA ID: CAD982444481
CA Waste Code: 512 - Other empty containers 30 gallons or more
Disposal Method: H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons: 0.415

Year: 2006
Gepaid: CAL000009771
TSD EPA ID: CAD097030993
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.25

Year: 2006
Gepaid: CAL000009771
TSD EPA ID: CAD097030993
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2

Year: 1996
Gepaid: CAL000009771
TSD EPA ID: CAD099452708
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: R01 - Recycler
Tons: 1.8765

Year: 1994
Gepaid: CAL000009771

1101 N MAIN (Continued) **S113024985**

TSD EPA ID: CAD099452708
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 2.2935

Year: 1994
Gepaid: CAL000009771
TSD EPA ID: CAD099452708
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: -
Tons: 1.68

Year: 1993
Gepaid: CAL000009771
TSD EPA ID: CAD099452708
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: -
Tons: 3.57

Year: 1993
Gepaid: CAL000009771
TSD EPA ID: CAD099452708
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 1.05

Year: 1992
Gepaid: CAL000009771
TSD EPA ID: CAT080010101
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H01 - Transfer Station
Tons: 3.753

Year: 1992
Gepaid: CAL000009771
TSD EPA ID: CAT080013352
CA Waste Code: 241 - Tank bottom waste
Disposal Method: R01 - Recycler
Tons: 0.6255

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2007
Gen EPA ID: CAL000009771

Shipment Date: 20070417
Creation Date: 12/28/2007 18:30:13
Receipt Date: 20070418
Manifest ID: 002421040JJK
Trans EPA ID: CAD980737068
Trans Name: ANCON MARINE INC

1101 N MAIN (Continued) **S113024985**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070417
Creation Date:	12/28/2007 18:30:13
Receipt Date:	20070418
Manifest ID:	002421040JJK
Trans EPA ID:	CAD980737068
Trans Name:	ANCON MARINE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H010 - Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000009771

Shipment Date:	20060417
Creation Date:	8/23/2007 18:30:47
Receipt Date:	20070425
Manifest ID:	002421043JJK
Trans EPA ID:	CAD980737068
Trans Name:	ANCON MARINE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported

1101 N MAIN (Continued) **S113024985**

TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060417
Creation Date:	8/23/2007 18:30:47
Receipt Date:	20070425
Manifest ID:	002421043JJK
Trans EPA ID:	CAD980737068
Trans Name:	ANCON MARINE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000009771
Shipment Date:	19960108
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19960110
Manifest ID:	95832890
Trans EPA ID:	CAL000159447
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported

1101 N MAIN (Continued) **S113024985**

Meth Code:	R01 - Recycler
Quantity Tons:	1.8765
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL000009771
Shipment Date:	19941129
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941201
Manifest ID:	95154061
Trans EPA ID:	CAL000113620
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940601
Creation Date:	3/26/1996 0:00:00
Receipt Date:	Not reported
Manifest ID:	90522098
Trans EPA ID:	CAD981997109
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported

1101 N MAIN (Continued) **S113024985**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL000009771
Shipment Date:	19931103
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90522084
Trans EPA ID:	CAD981999109
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	3.57
Waste Quantity:	850
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930421
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930421
Manifest ID:	90522060
Trans EPA ID:	CAD981997109
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

1101 N MAIN (Continued) **S113024985**

NPDES:

Name:	CHINATOWN LOFTS
Address:	1101 NORTH MAIN STREET
City,State,Zip:	LOS ANGELES, CA 90012
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	493892
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	4 19C382277
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/23/2018
Termination Date Of Regulatory Measure:	07/05/2022
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2221 Rosecrans Ave
Discharge Name:	1101 North Main LLC
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	4
Regulatory Measure ID:	493892
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C382277
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/23/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	1101 North Main LLC
Discharge Address:	2221 Rosecrans Ave
Discharge City:	El Segundo
Discharge State:	California
Discharge Zip:	90245
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported

1101 N MAIN (Continued) **S113024985**

Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

LOS ANGELES HM:

Name:	1101 NORTH MAIN, LLC
Address:	1101 N MAIN ST
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	FA0032853

1101 N MAIN (Continued) **S113024985**

Last Run Date: 11/01/2022
Status: INACTIVE

Name: 1101 NORTH MAIN, LLC
Address: 1101 N MAIN ST
City,State,Zip: LOS ANGELES, CA 90012
Facility ID: FA0032853
Last Run Date: 11/01/2022
Status: INACTIVE

CIWQS:
Name: CHINATOWN LOFTS
Address: 1101 NORTH MAIN STREET
City,State,Zip: LOS ANGELES, CA 90012
Agency: 1101 North Main LLC
Agency Address: 2221 Rosecrans Ave Suite 200, El Segundo, CA 90245
Place/Project Type: Construction - Residential
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C382277
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 01/23/2018
Termination Date: 07/05/2022
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 1
Latitude: 34.064278
Longitude: -118.233534

HWTS:
Name: BINER ELLISON MFG
Address: 1101 N MAIN ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90012
EPA ID: CAL000009771
Inactive Date: 06/30/2008
Create Date: 11/14/1989
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1101 N MAIN ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900120000
Owner Name: THOMAS E ELLISON
Owner Address: 1101 N MAIN ST
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900120000
Contact Name: TOM ELLISON

1101 N MAIN (Continued) **S113024985**

Contact Address:	1101 N MAIN ST
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900120000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.063293
Longitude:	-118.233773

131
SW
1/2-1
0.968 mi.
5110 ft.

Relative:
Lower

Actual:
399 ft.

GRATTS ELEMENTARY SCHOOL **ENVIROSTOR** **S104576005**
309 LUCAS AVENUE **CPS-SLIC** **N/A**
LOS ANGELES, CA 90017 **SCH**
ENF
HIST CORTESE
CIWQS
CERS

ENVIROSTOR:

Name:	GRATTS ELEMENTARY SCHOOL
Address:	309 LUCAS AVENUE
City,State,Zip:	LOS ANGELES, CA 90017
Facility ID:	19820074
Status:	Certified / Operation & Maintenance
Status Date:	07/09/2014
Site Code:	300762
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	5.2
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joe Hwong
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	24
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05784
Longitude:	-118.2623
APN:	5153-025-900, 5153-025-901, 5153-025-902, 5153-025-903, 5153-025-904, 5153-025-905, 5153-025-906, 5153-025-907, 5153-025-908, 5153-025-909, 5153025901, 5153025909
Past Use:	VEHICLE MAINTENANCE
Potential COC:	Benzene Tetrachloroethylene (PCE TPH-diesel
Confirmed COC:	Benzene Tetrachloroethylene (PCE TPH-diesel
Potential Description:	OTH
Alias Name:	GRATTS ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	GRATTS ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	5153-025-900
Alias Type:	APN
Alias Name:	5153-025-901

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Alias Type: APN
Alias Name: 5153-025-902
Alias Type: APN
Alias Name: 5153-025-903
Alias Type: APN
Alias Name: 5153-025-904
Alias Type: APN
Alias Name: 5153-025-905
Alias Type: APN
Alias Name: 5153-025-906
Alias Type: APN
Alias Name: 5153-025-907
Alias Type: APN
Alias Name: 5153-025-908
Alias Type: APN
Alias Name: 5153-025-909
Alias Type: APN
Alias Name: 5153025901
Alias Type: APN
Alias Name: 5153025909
Alias Type: APN
Alias Name: 110033620696
Alias Type: EPA (FRS #)
Alias Name: T0603700588
Alias Type: GeoTracker Global ID
Alias Name: 300762
Alias Type: Project Code (Site Code)
Alias Name: 19820074
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008
Comments: DTSC accepted Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/30/2008
Comments: DTSC accepted the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2009
Comments: DTSC concurred with the report.

Completed Area Name: GW OU

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2012
Comments: DTSC approved the remediation status report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/25/2016
Comments: Concurred with the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/01/2017
Comments: DTSC concurred with the O&M report provided comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/13/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2018
Comments: FY 18/19 Estimate: $ 23,187

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2013
Comments: DTSC approved the report provided comments are addressed in future reports/fieldwork

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/19/2014
Comments: DTSC approved the O&M report/RACR provided DTSC comments are addressed in future reports/fieldwork

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/24/2013
Comments: DTSC finalized a Public Notice

Completed Area Name: GW OU

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2014
Comments: DTSC approved the O&M report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/20/2017
Comments: DTSC approved the report provided comments are addressed in future reports/during fieldwork.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 10/26/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/15/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/28/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 08/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 09/10/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/25/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Date: 11/24/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/25/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/30/2017
Comments: Annual cost estimate letter sent to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 08/19/2009
Comments: DTSC approved the Report.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/17/2008
Comments: DTSC did not have any comments on the Report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 07/01/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2012
Comments: DTSC issued comments on the 3rd and 4th Quarter 2011 remediation status report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 03/12/2012
Comments: DTSC provided a comment on the TM that should be addressed in the draft RAW

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future fieldwork/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/25/2012
Comments: DTSC approved the O&M report without comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/03/2013
Comments: The Report included National Pollutant Discharge Elimination System, Interim Measure Status, and Groundwater and Soil Vapor Monitoring Report for the First Quarter 2013. DTSC concurs with the Report's recommendations and considers the Report to be Final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Date: 02/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2020
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 04/10/2014
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/09/2014
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2006
Comments: No Comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/07/2006
Comments: Approved the report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2007
Comments: Conditional approval with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2007
Comments: Comments sent for future

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: accepted

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/03/2008
Comments: Acceped with the comments to be considered in the future.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/23/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2011
Comments: DTSC issued comments on the injection pilot test

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2011
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/24/2013
Comments: DTSC concurs with the report conclusions and recommendations and provided minor comments which may be addressed in future report submittals.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/16/2013
Comments: DTSC approved the OMP

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/07/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2011
Comments: DTSC did not have any comments on the O&M report

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2011
Comments: DTSC reviwed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 01/24/2013
Comments: DTSC finalized a Community Profile

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/24/2013
Comments: DTSC finalized a Fact Sheet

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/18/2013
Comments: Approval of RAW for Implementaton letter w/ Public RTC and NOE.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/09/2011
Comments: DTSC comments on the injection pilot test results will be addressed in the removal action workplan

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/15/2018
Comments: DTSC approved the monitoring report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/15/2000
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/02/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/29/2010
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC concurred with the report.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 02/07/2012
Comments: DTSC concurred with the proposed microbial testing

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/28/2010
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/18/2014
Comments: DTSC approved the O&M report provided comments are addressed during fieldwork/future reports

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/02/2015
Comments: DTSC concurred with the O&M report provided DTSC comments are addressed during field work/future reports

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/09/2015
Comments: DTSC approved the O&M report provided comments are addressed in future reports

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/09/2015
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/31/2015
Comments: Concurred with some comments.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/22/2015
Comments: Concurred with the Recommendations to Semi Annual Monitoring (Groundwater/Soil Vapor)from Quarterly.

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/01/2016
Comments: DTSC issued a conditional approval of the semi annual monitoring report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/29/2020
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2021
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: GRATTS ELEMENTARY SCHOOL
Address: 309 LUCAS AVE
City,State,Zip: LOS ANGELES, CA 90017
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 01/30/2015
Global Id: T0603700588
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 19820074

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Latitude:	34.0582226
Longitude:	-118.2617347
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900170089
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Exact Address Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	09/27/1989
Leak Reported Date:	09/27/1989
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Santa Monica Bay - Interior Santa Monica Bay - Wilshire (404.63)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	LOS ANGELES RWQCB (REGION 4)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SCH:

Name:	GRATTS ELEMENTARY SCHOOL
Address:	309 LUCAS AVENUE
City,State,Zip:	LOS ANGELES, CA 90017
Facility ID:	19820074
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	5.2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Joe Hwong
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	300762
Assembly:	53
Senate:	24
Special Program Status:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Certified / Operation & Maintenance
Status Date:	07/09/2014

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Restricted Use:	NO
Funding:	School District
Latitude:	34.05784
Longitude:	-118.2623
APN:	5153-025-900, 5153-025-901, 5153-025-902, 5153-025-903, 5153-025-904, 5153-025-905, 5153-025-906, 5153-025-907, 5153-025-908, 5153-025-909, 5153025901, 5153025909
Past Use:	VEHICLE MAINTENANCE
Potential COC:	Benzene, Tetrachloroethylene (PCE, TPH-diesel
Confirmed COC:	Benzene, Tetrachloroethylene (PCE, TPH-diesel
Potential Description:	OTH
Alias Name:	GRATTS ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	GRATTS ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	5153-025-900
Alias Type:	APN
Alias Name:	5153-025-901
Alias Type:	APN
Alias Name:	5153-025-902
Alias Type:	APN
Alias Name:	5153-025-903
Alias Type:	APN
Alias Name:	5153-025-904
Alias Type:	APN
Alias Name:	5153-025-905
Alias Type:	APN
Alias Name:	5153-025-906
Alias Type:	APN
Alias Name:	5153-025-907
Alias Type:	APN
Alias Name:	5153-025-908
Alias Type:	APN
Alias Name:	5153-025-909
Alias Type:	APN
Alias Name:	5153025901
Alias Type:	APN
Alias Name:	5153025909
Alias Type:	APN
Alias Name:	110033620696
Alias Type:	EPA (FRS #)
Alias Name:	T0603700588
Alias Type:	GeoTracker Global ID
Alias Name:	300762
Alias Type:	Project Code (Site Code)
Alias Name:	19820074
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/08/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008
Comments: DTSC accepted Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/30/2008
Comments: DTSC accepted the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2009
Comments: DTSC concurred with the report.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2012
Comments: DTSC approved the remediation status report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/25/2016
Comments: Concurred with the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/01/2017
Comments: DTSC concurred with the O&M report provided comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/13/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2018
Comments: FY 18/19 Estimate: $ 23,187

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: GW OU

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2013
Comments: DTSC approved the report provided comments are addressed in future reports/fieldwork

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/19/2014
Comments: DTSC approved the O&M report/RACR provided DTSC comments are addressed in future reports/fieldwork

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/24/2013
Comments: DTSC finalized a Public Notice

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2014
Comments: DTSC approved the O&M report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/20/2017
Comments: DTSC approved the report provided comments are addressed in future reports/during fieldwork.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 10/26/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/15/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/28/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 08/25/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 09/10/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/25/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/24/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/25/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/18/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/15/2016
Comments: Annual Cost Estimates Letter, dated 9/15/16, sent to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/30/2017

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Comments: Annual cost estimate letter sent to District.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 08/19/2009
Comments: DTSC approved the Report.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/17/2008
Comments: DTSC did not have any comments on the Report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 07/01/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2012
Comments: DTSC issued comments on the 3rd and 4th Quarter 2011 remediation status report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 03/12/2012
Comments: DTSC provided a comment on the TM that should be addressed in the draft RAW

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future fieldwork/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/25/2012
Comments: DTSC approved the O&M report without comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Date: 07/03/2013
Comments: The Report included National Pollutant Discharge Elimination System, Interim Measure Status, and Groundwater and Soil Vapor Monitoring Report for the First Quarter 2013. DTSC concurs with the Report's recommendations and considers the Report to be Final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/21/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/15/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/07/2020
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 04/10/2014
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 03/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/09/2014
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2006
Comments: No Comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Completed Date: 08/07/2006
Comments: Approved the report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2007
Comments: Conditional approval with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2007
Comments: Comments sent for future

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/03/2008
Comments: Acceped with the comments to be considered in the future.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/23/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2011
Comments: DTSC issued comments on the injection pilot test

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2011
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/24/2013
Comments: DTSC concurs with the report conclusions and recommendations and

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

provided minor comments which may be addressed in future report submittals.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/16/2013
Comments: DTSC approved the OMP

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/07/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2011
Comments: DTSC did not have any comments on the O&M report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2011
Comments: DTSC reviwed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 01/24/2013
Comments: DTSC finalized a Community Profile

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/24/2013
Comments: DTSC finalized a Fact Sheet

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/18/2013
Comments: Approval of RAW for Implementaton letter w/ Public RTC and NOE.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/09/2011
Comments: DTSC comments on the injection pilot test results will be addressed in the removal action workplan

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/15/2018

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Comments:	DTSC approved the monitoring report with comments
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	09/15/2000
Comments:	Not reported
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/02/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/29/2010
Comments:	Not reported
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	05/20/2010
Comments:	DTSC concurred with the report.
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Treatability Study Workplan
Completed Date:	02/07/2012
Comments:	DTSC concurred with the proposed microbial testing
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	09/28/2010
Comments:	DTSC reviewed the O&M report and had no comments
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	09/18/2014
Comments:	DTSC approved the O&M report provided comments are addressed during fieldwork/future reports
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	01/02/2015
Comments:	DTSC concurred with the O&M report provided DTSC comments are addressed during field work/future reports
Completed Area Name:	GW OU
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Report
Completed Date:	04/09/2015
Comments:	DTSC approved the O&M report provided comments are addressed in

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

future reports

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/09/2015
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/31/2015
Comments: Concurred with some comments.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/22/2015
Comments: Concurred with the Recommendations to Semi Annual Monitoring (Groundwater/Soil Vapor)from Quarterly.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/01/2016
Comments: DTSC issued a conditional approval of the semi annual monitoring report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/29/2020
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/04/2021

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2026
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENF:
Name: GRATTS ELEMENTARY SCHOOL
Address: 309 LUCAS AVENUE
City,State,Zip: LOS ANGELES, CA 90017
Region: 4
Facility Id: 266923
Agency Name: Los Angeles USD Office of Environmental Health & Safety
Place Type: Residence/Education
Place Subtype: Educational Facilities
Facility Type: All other facilities
Agency Type: Special District
Of Agencies: 1
Place Latitude: 34.058216
Place Longitude: -118.261692
SIC Code 1: 8211
SIC Desc 1: Elementary and Secondary Schools
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Reg Meas
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: UST
Program Category1: TANKS
Program Category2: TANKS
Of Programs: 1
WDID: 900170089
Reg Measure Id: 167913
Reg Measure Type: Unregulated
Region: 4
Order #: Not reported

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	230263
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	06/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/28/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900170089
Description:	Notice of Violation sent 6/28/00 for FTS SAR & free product recovery report.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	GRATTS ELEMENTARY SCHOOL
Address:	309 LUCAS AVENUE
City,State,Zip:	LOS ANGELES, CA 90017
Region:	4
Facility Id:	266923
Agency Name:	Los Angeles USD Office of Environmental Health & Safety
Place Type:	Residence/Education
Place Subtype:	Educational Facilities
Facility Type:	All other facilities
Agency Type:	Special District

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

# Of Agencies:	1
Place Latitude:	34.058216
Place Longitude:	-118.261692
SIC Code 1:	8211
SIC Desc 1:	Elementary and Secondary Schools
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	900170089
Reg Measure Id:	167913
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	227893

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	09/12/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/12/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900170089
Description:	Notice of Violation sent 9/12/00 for overdue SAR 2Q00 groundwater monitoring report & 4 free product recovery reports.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	GRATTS ELEMENTARY SCHOOL
Address:	309 LUCAS AVENUE
City,State,Zip:	LOS ANGELES, CA 90017
Region:	4
Facility Id:	266923
Agency Name:	Los Angeles USD Office of Environmental Health & Safety
Place Type:	Residence/Education
Place Subtype:	Educational Facilities
Facility Type:	All other facilities
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	34.058216
Place Longitude:	-118.261692
SIC Code 1:	8211
SIC Desc 1:	Elementary and Secondary Schools
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.015
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	4B196800051
Reg Measure Id:	194110
Reg Measure Type:	Enrollee
Region:	4
Order #:	R4-2013-0043
Npdes# CA#:	CAG914001
Major-Minor:	Minor
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/25/2015
Effective Date:	11/15/2002
Expiration/Review Date:	03/07/2018
Termination Date:	06/24/2015
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	396999
Region:	4
Order / Resolution Number:	R4-2014-0080
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/01/2015
Adoption/Issuance Date:	06/01/2015
Achieve Date:	Not reported
Termination Date:	07/01/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	06/18/2014
Status:	Historical
Title:	ACL R4-2014-0080 for Los Angeles USD Office of Environmental Health & Safety
Description:	4Q10, 1Q11 late SMRs. 9 effluent violations: 1 in 3Q09 (pH) and 1 in 4Q09 (Lead); 7 selenium violations in the 3rd and 4th quarters of 2013.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	6/30/2015
# Of Programs1:	1
Total Assessment Amount:	36000
Initial Assessed Amount:	36000
Liability $ Amount:	36000
Project $ Amount:	0

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Liability $ Paid: 36000
Project $ Completed: 0
Total $ Paid/Completed Amount: 36000

HIST CORTESE:
edr_fname: GRATTS ELEMENTARY SCHOOL
edr_fadd1: 309 LUCAS
City,State,Zip: LOS ANGELES, CA 90017
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900170089

CIWQS:
Name: GRATTS ELEMENTARY SCHOOL
Address: 309 LUCAS AVENUE
City,State,Zip: LOS ANGELES, CA 90017
Agency: Los Angeles USD Office of Environmental Health & Safety
Agency Address: 333 South Beaudry Avenue 28th Floor, Los Angeles, CA 90017
Place/Project Type: Educational Facilities
SIC/NAICS: 8211
Region: 4
Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee
Order Number: R4-2013-0043
WDID: 4B196800051
NPDES Number: CAG914001
Adoption Date: Not reported
Effective Date: 11/15/2002
Termination Date: 06/24/2015
Expiration/Review Date: 03/07/2018
Design Flow: 0.015
Major/Minor: Minor
Complexity: B
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.058216
Longitude: -118.261692

Name: GRATTS ELEMENTARY SCHOOL
Address: 309 LUCAS
City,State,Zip: LOS ANGELES, CA 90017
Agency: Los Angeles Unified School District
Agency Address: 355 S Grand Ave Fl 6, Los Angeles, CA 90071
Place/Project Type: Construction
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 99-08DW
WDID: 4 19C301803
NPDES Number: CAS000002
Adoption Date: Not reported

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Effective Date:	12/29/1992
Termination Date:	08/27/1996
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.058216
Longitude:	-118.261692

CERS:

Name:	GRATTS ELEMENTARY SCHOOL
Address:	309 LUCAS
City,State,Zip:	LOS ANGELES, CA 90017
Site ID:	350702
CERS ID:	266923
CERS Description:	NPDES Wastewater and Stormwater

Enforcement Action:

Site ID:	350702
Site Name:	Gratts Elementary School
Site Address:	309 LUCAS
Site City:	LOS ANGELES
Site Zip:	90017
Enf Action Date:	06-01-2015
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	350702
Site Name:	Gratts Elementary School
Site Address:	309 LUCAS
Site City:	LOS ANGELES
Site Zip:	90017
Enf Action Date:	06-28-2000
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	350702
Site Name:	Gratts Elementary School
Site Address:	309 LUCAS
Site City:	LOS ANGELES
Site Zip:	90017
Enf Action Date:	09-12-2000
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards

GRATTS ELEMENTARY SCHOOL (Continued) **S104576005**

Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Count: 1 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S120714330	LINK STATION US PROJECT	800 NORTH UNION STATION	90012	ENVIROSTOR, VCP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/25/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/01/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 77

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/01/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/19/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/17/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 85

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/22/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/20/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 64

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 59

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1425
Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2023
Date Data Arrived at EDR: 02/17/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/15/2023
Number of Days to Update: 80

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412
Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 04/16/2019
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1445
Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1441
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1459
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/10/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 76
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/28/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/22/2023
Number of Days to Update: 83

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2022
Date Data Arrived at EDR: 12/07/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 01/31/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 76

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/21/2023
Number of Days to Update: 79

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/25/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 89

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/15/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/09/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/10/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022
Date Data Arrived at EDR: 12/27/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 80

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2023
Date Data Arrived at EDR: 01/27/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/10/2022
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

479224
1185-1245 W SUNSET BOULEVARD
LOS ANGELES, CA 90026

TARGET PROPERTY COORDINATES

Latitude (North):	34.06793 - 34ˆ 4’ 4.55’’
Longitude (West):	118.249773 - 118ˆ 14’ 59.18’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	384672.1
UTM Y (Meters):	3770198.0
Elevation:	412 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630795 LOS ANGELES, CA
Version Date:	2012
West Map:	5630741 HOLLYWOOD, CA
Version Date:	2012

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

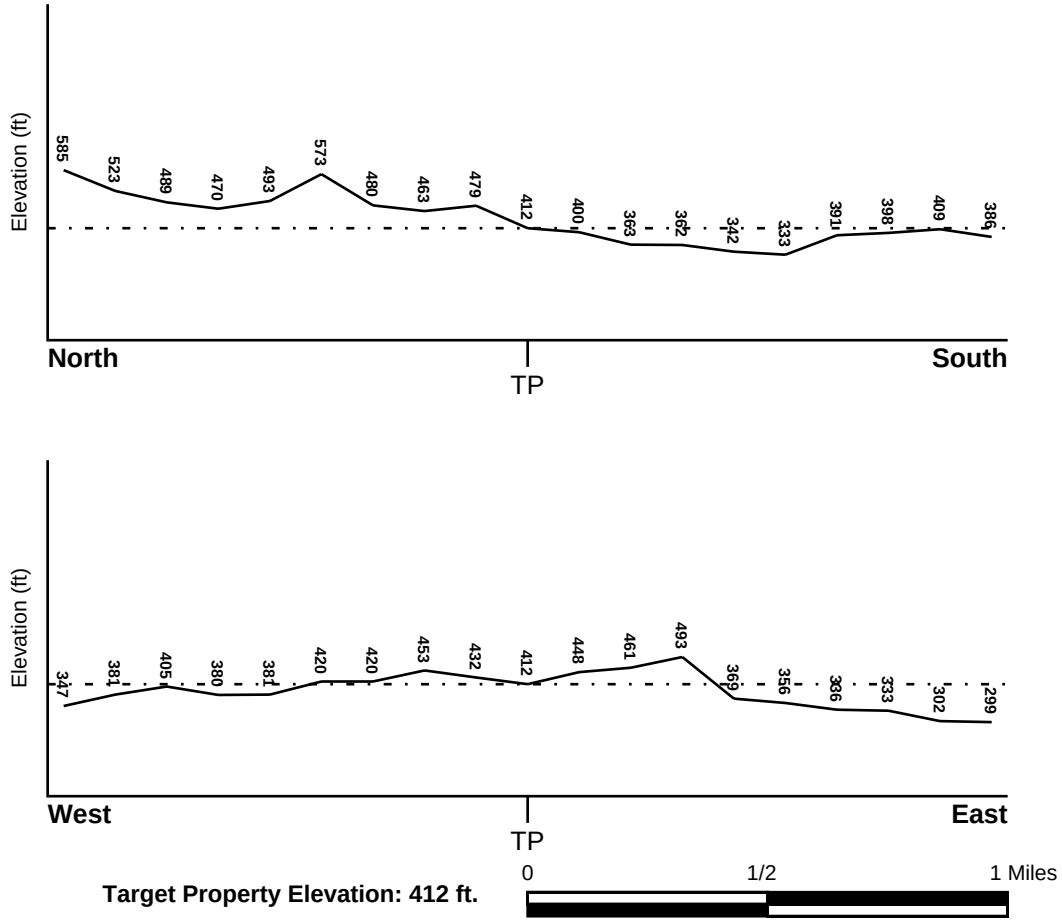
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 412 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1628F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1610F	FEMA FIRM Flood data
06037C1620F	FEMA FIRM Flood data
06037C1636F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ANGELES	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles ESE
Site Name:	Van Der Horst Corporation Of America
Site EPA ID Number:	CAD020159166
Surficial Aquifer Flow Dir.:	VARIABLE. A FLOW TO THE S AND SE HAS BEEN IDENTIFIED DURING FORMER INVESTIGATIONS. MORE RECENT INVESTIGATIONS IDENTIFIED A FLOW TO THE E.
Measured Depth to Water:	28 feet to 38 feet.
Hydraulic Connection:	Aquifer interconnections exist within 2 miles of the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HAMBRIGHT
Soil Surface Texture:	gravelly - loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	7 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	7 inches	16 inches	very gravelly - loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
3	16 inches	20 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam
silty clay loam
shaly - clay loam
sandy loam
clay
loamy sand
clay loam

Surficial Soil Types: loam
silty clay loam
shaly - clay loam
sandy loam
clay
loamy sand
clay loam

Shallow Soil Types: silty clay

Deeper Soil Types: weathered bedrock
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
12	CA1910248	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000086867	1/4 - 1/2 Mile SSE
A2	CAEDF0000116190	1/4 - 1/2 Mile SSE
A3	CAEDF0000074224	1/4 - 1/2 Mile SSE
A4	CAEDF0000039274	1/4 - 1/2 Mile SSE
B5	CAEDF0000136634	1/4 - 1/2 Mile East
A6	CAEDF0000002089	1/4 - 1/2 Mile SSE
B7	CAEDF0000014665	1/4 - 1/2 Mile East
B8	CAEDF0000063955	1/4 - 1/2 Mile East
B9	CAEDF0000080633	1/4 - 1/2 Mile East
B10	CAEDF0000045109	1/4 - 1/2 Mile East
11	CAEDF0000127265	1/4 - 1/2 Mile East
C13	CAEDF0000022517	1/2 - 1 Mile NNW
C14	CAEDF0000034846	1/2 - 1 Mile NNW
C15	CAEDF0000054913	1/2 - 1 Mile NNW
C16	CAEDF0000143517	1/2 - 1 Mile NNW
C17	CAEDF0000116455	1/2 - 1 Mile NNW
C18	CAEDF0000037936	1/2 - 1 Mile NNW
D19	CAEDF0000004355	1/2 - 1 Mile South
D20	CAEDF0000109669	1/2 - 1 Mile SSW
D21	CAEDF0000034134	1/2 - 1 Mile South

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D22	CAEDF0000041334	1/2 - 1 Mile SSW
D23	CAEDF0000116153	1/2 - 1 Mile South
D24	CAEDF0000115350	1/2 - 1 Mile SSW
D25	CAEDF0000064688	1/2 - 1 Mile South
D26	CAEDF0000067843	1/2 - 1 Mile South
D27	CAEDF0000113547	1/2 - 1 Mile South
D28	CAEDF0000045168	1/2 - 1 Mile SSW
D29	CAEDF0000078422	1/2 - 1 Mile SSW
D30	CAEDF0000111873	1/2 - 1 Mile South
D31	CAEDF0000084676	1/2 - 1 Mile SSW
D32	CAEDF0000029621	1/2 - 1 Mile SSW
D33	CAEDF0000053877	1/2 - 1 Mile South
E34	CAEDF0000048124	1/2 - 1 Mile ESE
D35	CAEDF0000031764	1/2 - 1 Mile SSW
E36	CAEDF0000104870	1/2 - 1 Mile ESE
E37	CAEDF0000123906	1/2 - 1 Mile ESE
D38	CAEDF0000095395	1/2 - 1 Mile SSW
E39	CAEDF0000085222	1/2 - 1 Mile ESE
E40	CAEDF0000061171	1/2 - 1 Mile ESE
E41	CAEDF0000050329	1/2 - 1 Mile ESE
E42	CAEDF0000022018	1/2 - 1 Mile ESE
F43	CAEDF0000054512	1/2 - 1 Mile NW
F44	CAEDF0000055159	1/2 - 1 Mile NW
G45	CAEDF0000017785	1/2 - 1 Mile SSW
G46	CAEDF0000123297	1/2 - 1 Mile SSW
F47	CAEDF0000137518	1/2 - 1 Mile NW
48	CAEDF0000000044	1/2 - 1 Mile NW
F49	CAEDF0000055447	1/2 - 1 Mile NW
F50	CAEDF0000078166	1/2 - 1 Mile NW
F51	CAEDF0000032079	1/2 - 1 Mile NW
F52	CAEDF0000085053	1/2 - 1 Mile NW
G53	CAEDF0000043569	1/2 - 1 Mile SSW
F54	CAEDF0000133528	1/2 - 1 Mile NW
G55	CAEDF0000116910	1/2 - 1 Mile SSW
G56	CAEDF0000086386	1/2 - 1 Mile SSW
F57	CAEDF0000035164	1/2 - 1 Mile NW
G58	CAEDF0000067109	1/2 - 1 Mile SSW
G59	CAEDF0000067489	1/2 - 1 Mile SSW
G60	CAEDF0000070182	1/2 - 1 Mile SSW
H61	CAEDF0000078128	1/2 - 1 Mile South
H62	CAEDF0000023644	1/2 - 1 Mile South
H63	CAEDF0000067049	1/2 - 1 Mile South
H64	CAEDF0000072908	1/2 - 1 Mile South
I65	CAEDF0000086058	1/2 - 1 Mile NE
I66	CAEDF0000141484	1/2 - 1 Mile NE
I67	CAEDF0000042005	1/2 - 1 Mile NE
I68	CAEDF0000033687	1/2 - 1 Mile NE
I69	CAEDF0000116172	1/2 - 1 Mile NE
J70	CAEDF0000082490	1/2 - 1 Mile ESE
I71	CAEDF0000067613	1/2 - 1 Mile NE
K72	CAEDF0000090764	1/2 - 1 Mile SW
L73	CAEDF0000112637	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L74	CAEDF0000107827	1/2 - 1 Mile West
I75	CAEDF0000090802	1/2 - 1 Mile NE
I76	CAEDF0000072996	1/2 - 1 Mile NE
I77	CAEDF0000005709	1/2 - 1 Mile NE
78	CAEDF0000077082	1/2 - 1 Mile East
K79	CAEDF0000075382	1/2 - 1 Mile SSW
I80	CAEDF0000019953	1/2 - 1 Mile NE
L81	CAEDF0000074482	1/2 - 1 Mile West
L82	CAEDF0000108693	1/2 - 1 Mile West
M83	CAEDF0000071685	1/2 - 1 Mile SSW
J84	CAEDF0000122119	1/2 - 1 Mile East
M85	CAEDF0000113132	1/2 - 1 Mile SSW
M86	CAEDF0000112587	1/2 - 1 Mile SSW
N87	CAEDF0000130150	1/2 - 1 Mile NW
N88	CAEDF0000138997	1/2 - 1 Mile NW
M89	CAEDF0000091729	1/2 - 1 Mile SSW
M90	CAEDF0000083030	1/2 - 1 Mile SSW
M91	CAEDF0000038658	1/2 - 1 Mile SSW
N92	CAEDF0000008695	1/2 - 1 Mile NW
O93	CAEDF0000127957	1/2 - 1 Mile NNW
P94	CAEDF0000083003	1/2 - 1 Mile SSW
N95	CAEDF0000141453	1/2 - 1 Mile NW
P96	CAEDF0000099125	1/2 - 1 Mile SSW
O97	CAEDF0000075624	1/2 - 1 Mile NNW
M98	CAEDF0000138885	1/2 - 1 Mile SSW
P99	CAEDF0000112668	1/2 - 1 Mile SSW
O100	CAEDF0000015073	1/2 - 1 Mile NNW
N101	CAEDF0000135383	1/2 - 1 Mile NW
P102	CAEDF0000003199	1/2 - 1 Mile SSW
O103	CAEDF0000138934	1/2 - 1 Mile NNW
O104	CAEDF0000066908	1/2 - 1 Mile NNW
Q105	CAEDF0000003268	1/2 - 1 Mile East
R106	CAEDF0000056261	1/2 - 1 Mile SW
N107	CAEDF0000061127	1/2 - 1 Mile NW
O108	CAEDF0000136158	1/2 - 1 Mile NNW
P109	CAEDF0000127485	1/2 - 1 Mile SSW
P110	CAEDF0000082473	1/2 - 1 Mile SSW
R111	CAEDF0000120352	1/2 - 1 Mile SW
P112	CAEDF0000070027	1/2 - 1 Mile SSW
O113	CAEDF0000143502	1/2 - 1 Mile NNW
N114	CAEDF0000078818	1/2 - 1 Mile NW
O115	CAEDF0000045573	1/2 - 1 Mile NNW
P116	CAEDF0000064534	1/2 - 1 Mile SSW
R117	CAEDF0000116808	1/2 - 1 Mile SW
R118	CAEDF0000129920	1/2 - 1 Mile SW
P119	CAEDF0000111126	1/2 - 1 Mile SSW
N120	CAEDF0000111880	1/2 - 1 Mile NW
O121	CAEDF0000107201	1/2 - 1 Mile NNW
R122	CAEDF0000059288	1/2 - 1 Mile SW
P123	CAEDF0000129269	1/2 - 1 Mile SSW
R124	CAEDF0000104317	1/2 - 1 Mile SW
P125	CAEDF0000112807	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N126	CAEDF0000066021	1/2 - 1 Mile NW
127	CAEDF0000008276	1/2 - 1 Mile East
Q128	CAEDF0000131693	1/2 - 1 Mile East
R129	CAEDF0000114333	1/2 - 1 Mile SW
S130	CAEDF0000125900	1/2 - 1 Mile NW
P131	CAEDF0000050735	1/2 - 1 Mile SSW
132	CAEDF0000035624	1/2 - 1 Mile West
N133	CAEDF0000081639	1/2 - 1 Mile NW
R134	CAEDF0000117676	1/2 - 1 Mile SW
S135	CAEDF0000131647	1/2 - 1 Mile NW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAOG15000138179	1/8 - 1/4 Mile SE
B2	CAOG15000138241	1/8 - 1/4 Mile South
A3	CAOG15000138371	1/8 - 1/4 Mile SE
A4	CAOG15000137876	1/8 - 1/4 Mile SE
B5	CAOG15000138352	1/8 - 1/4 Mile South
B6	CAOG15000138189	1/8 - 1/4 Mile SSW
B7	CAOG15000138345	1/8 - 1/4 Mile SSW
B8	CAOG15000138456	1/8 - 1/4 Mile South
B9	CAOG15000138619	1/8 - 1/4 Mile SSE
B10	CAOG15000138584	1/8 - 1/4 Mile South
C11	CAOG15000138759	1/8 - 1/4 Mile SSW
A12	CAOG15000138068	1/8 - 1/4 Mile ESE
A13	CAOG15000138046	1/8 - 1/4 Mile SE
A14	CAOG15000138045	1/8 - 1/4 Mile SE
A15	CAOG15000138426	1/8 - 1/4 Mile SE
A16	CAOG15000138789	1/8 - 1/4 Mile SE
C17	CAOG15000138351	1/8 - 1/4 Mile SW
C18	CAOG15000138188	1/8 - 1/4 Mile SSW
A19	CAOG15000138518	1/8 - 1/4 Mile SSE
C20	CAOG15000137910	1/8 - 1/4 Mile SSW
A21	CAOG15000138568	1/8 - 1/4 Mile SSE
A22	CAOG15000138876	1/8 - 1/4 Mile SE
A23	CAOG15000137970	1/8 - 1/4 Mile ESE
A24	CAOG15000139031	1/8 - 1/4 Mile ESE
A25	CAOG15000138217	1/8 - 1/4 Mile ESE
A26	CAOG15000139040	1/8 - 1/4 Mile ESE
A27	CAOG15000138047	1/8 - 1/4 Mile ESE
C28	CAOG15000137967	1/8 - 1/4 Mile SSW
D29	CAOG15000139019	1/8 - 1/4 Mile ESE
C30	CAOG15000138744	1/8 - 1/4 Mile SSW
A31	CAOG15000138044	1/8 - 1/4 Mile SE
D32	CAOG15000138041	1/8 - 1/4 Mile ESE
D33	CAOG15000138812	1/8 - 1/4 Mile ESE
A34	CAOG15000138013	1/8 - 1/4 Mile ESE
A35	CAOG15000138804	1/8 - 1/4 Mile ESE
A36	CAOG15000138012	1/8 - 1/4 Mile SE
D37	CAOG15000138016	1/8 - 1/4 Mile ESE

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A38	CAOG15000138007	1/8 - 1/4 Mile SE
B39	CAOG15000139052	1/8 - 1/4 Mile South
C40	CAOG15000138220	1/8 - 1/4 Mile SSW
D41	CAOG15000139007	1/8 - 1/4 Mile ESE
A42	CAOG15000138043	1/8 - 1/4 Mile SE
D43	CAOG15000138813	1/8 - 1/4 Mile ESE
D44	CAOG15000138814	1/8 - 1/4 Mile ESE
D45	CAOG15000138015	1/8 - 1/4 Mile ESE
A46	CAOG15000138008	1/8 - 1/4 Mile SE
D47	CAOG15000138014	1/8 - 1/4 Mile ESE
A48	CAOG15000138010	1/8 - 1/4 Mile SE
D49	CAOG15000138042	1/8 - 1/4 Mile ESE
D50	CAOG15000138011	1/8 - 1/4 Mile SE
D51	CAOG15000137969	1/8 - 1/4 Mile ESE
E52	CAOG15000138009	1/8 - 1/4 Mile SE
C53	CAOG15000138745	1/8 - 1/4 Mile SSW
F54	CAOG15000138023	1/8 - 1/4 Mile SW
C55	CAOG15000138520	1/8 - 1/4 Mile SSW
C56	CAOG15000138773	1/8 - 1/4 Mile SSW
F57	CAOG15000138665	1/8 - 1/4 Mile SW
C58	CAOG15000137946	1/8 - 1/4 Mile SW
F59	CAOG15000138625	1/8 - 1/4 Mile SW
C60	CAOG15000138219	1/8 - 1/4 Mile SW
C61	CAOG15000138594	1/4 - 1/2 Mile SSW
E62	CAOG15000137947	1/4 - 1/2 Mile SE
F63	CAOG15000138576	1/4 - 1/2 Mile SW
D64	CAOG15000138382	1/4 - 1/2 Mile ESE
F65	CAOG15000138002	1/4 - 1/2 Mile SW
F66	CAOG15000138756	1/4 - 1/2 Mile SW
G67	CAOG15000138464	1/4 - 1/2 Mile SSW
E68	CAOG15000138239	1/4 - 1/2 Mile SE
F69	CAOG15000138707	1/4 - 1/2 Mile SW
D70	CAOG15000138741	1/4 - 1/2 Mile ESE
D71	CAOG15000138926	1/4 - 1/2 Mile ESE
D72	CAOG15000138455	1/4 - 1/2 Mile ESE
G73	CAOG15000137875	1/4 - 1/2 Mile SW
E74	CAOG15000138347	1/4 - 1/2 Mile SE
D75	CAOG15000138864	1/4 - 1/2 Mile ESE
D76	CAOG15000138962	1/4 - 1/2 Mile ESE
G77	CAOG15000138350	1/4 - 1/2 Mile SSW
E78	CAOG15000137877	1/4 - 1/2 Mile SE
H79	CAOG15000138978	1/4 - 1/2 Mile ESE
G80	CAOG15000138787	1/4 - 1/2 Mile SSW
G81	CAOG15000138886	1/4 - 1/2 Mile SSW
F82	CAOG15000138626	1/4 - 1/2 Mile SW
F83	CAOG15000138709	1/4 - 1/2 Mile SW
E84	CAOG15000138178	1/4 - 1/2 Mile SE
F85	CAOG15000138064	1/4 - 1/2 Mile SW
H86	CAOG15000137873	1/4 - 1/2 Mile East
G87	CAOG15000138180	1/4 - 1/2 Mile SW
H88	CAOG15000138132	1/4 - 1/2 Mile ESE
E89	CAOG15000138103	1/4 - 1/2 Mile SE
F90	CAOG15000138659	1/4 - 1/2 Mile SW
G91	CAOG15000139018	1/4 - 1/2 Mile SSW
H92	CAOG15000138116	1/4 - 1/2 Mile ESE
F93	CAOG15000138083	1/4 - 1/2 Mile SW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G94	CAOG15000138883	1/4 - 1/2 Mile SW
G95	CAOG15000137911	1/4 - 1/2 Mile SW
E96	CAOG15000138439	1/4 - 1/2 Mile SE
I97	CAOG15000138240	1/4 - 1/2 Mile ESE
E98	CAOG15000138353	1/4 - 1/2 Mile SE
E99	CAOG15000138515	1/4 - 1/2 Mile SE
F100	CAOG15000138107	1/4 - 1/2 Mile SW
G101	CAOG15000139047	1/4 - 1/2 Mile SSW
G102	CAOG15000138788	1/4 - 1/2 Mile SW
J103	CAOG15000138091	1/4 - 1/2 Mile SE
K104	CAOG15000138344	1/4 - 1/2 Mile SW
G105	CAOG15000138438	1/4 - 1/2 Mile SW
I106	CAOG15000138720	1/4 - 1/2 Mile ESE
K107	CAOG15000138329	1/4 - 1/2 Mile SW
I108	CAOG15000138740	1/4 - 1/2 Mile ESE
I109	CAOG15000138052	1/4 - 1/2 Mile ESE
I110	CAOG15000139044	1/4 - 1/2 Mile ESE
G111	CAOG15000138758	1/4 - 1/2 Mile SSW
F112	CAOG15000138090	1/4 - 1/2 Mile SW
113	CAOG15000005797	1/4 - 1/2 Mile ENE
I114	CAOG15000137948	1/4 - 1/2 Mile SE
K115	CAOG15000137976	1/4 - 1/2 Mile SW
I116	CAOG15000138500	1/4 - 1/2 Mile SE
K117	CAOG15000138793	1/4 - 1/2 Mile SW
H118	CAOG15000137917	1/4 - 1/2 Mile ESE
G119	CAOG15000138755	1/4 - 1/2 Mile SSW
K120	CAOG15000138148	1/4 - 1/2 Mile SW
G121	CAOG15000138862	1/4 - 1/2 Mile SW
G122	CAOG15000138796	1/4 - 1/2 Mile SSW
K123	CAOG15000138575	1/4 - 1/2 Mile SW
K124	CAOG15000138142	1/4 - 1/2 Mile SW
G125	CAOG15000138863	1/4 - 1/2 Mile SSW
I126	CAOG15000138782	1/4 - 1/2 Mile ESE
I127	CAOG15000139045	1/4 - 1/2 Mile ESE
K128	CAOG15000138147	1/4 - 1/2 Mile SW
H129	CAOG15000138440	1/4 - 1/2 Mile ESE
G130	CAOG15000138861	1/4 - 1/2 Mile SSW
I131	CAOG15000138721	1/4 - 1/2 Mile ESE
I132	CAOG15000138722	1/4 - 1/2 Mile ESE
G133	CAOG15000138930	1/4 - 1/2 Mile SSW
K134	CAOG15000138844	1/4 - 1/2 Mile SW
I135	CAOG15000138177	1/4 - 1/2 Mile SE
I136	CAOG15000138084	1/4 - 1/2 Mile ESE
K137	CAOG15000138171	1/4 - 1/2 Mile SW
K138	CAOG15000138785	1/4 - 1/2 Mile SW
K139	CAOG15000138798	1/4 - 1/2 Mile SW
J140	CAOG15000137968	1/4 - 1/2 Mile SE
H141	CAOG15000139038	1/4 - 1/2 Mile ESE
K142	CAOG15000138270	1/4 - 1/2 Mile SW
H143	CAOG15000137918	1/4 - 1/2 Mile ESE
K144	CAOG15000138833	1/4 - 1/2 Mile SW
K145	CAOG15000138837	1/4 - 1/2 Mile SW
H146	CAOG15000137919	1/4 - 1/2 Mile ESE
L147	CAOG15000138248	1/4 - 1/2 Mile WSW
K148	CAOG15000138115	1/4 - 1/2 Mile SW
L149	CAOG15000138136	1/4 - 1/2 Mile WSW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K150	CAOG15000138859	1/4 - 1/2 Mile SSW
K151	CAOG15000138036	1/4 - 1/2 Mile SW
K152	CAOG15000138757	1/4 - 1/2 Mile SSW
K153	CAOG15000138893	1/4 - 1/2 Mile SW
H154	CAOG15000138483	1/4 - 1/2 Mile ESE
K155	CAOG15000138921	1/4 - 1/2 Mile SW
K156	CAOG15000138824	1/4 - 1/2 Mile SW
H157	CAOG15000138486	1/4 - 1/2 Mile ESE
I158	CAOG15000138684	1/4 - 1/2 Mile ESE
I159	CAOG15000138686	1/4 - 1/2 Mile ESE
I160	CAOG15000138723	1/4 - 1/2 Mile ESE
I161	CAOG15000138726	1/4 - 1/2 Mile ESE
I162	CAOG15000138683	1/4 - 1/2 Mile ESE
L163	CAOG15000137998	1/4 - 1/2 Mile WSW
K164	CAOG15000138076	1/4 - 1/2 Mile SW
M165	CAOG15000138580	1/4 - 1/2 Mile ESE
M166	CAOG15000138531	1/4 - 1/2 Mile ESE
L167	CAOG15000138259	1/4 - 1/2 Mile WSW
M168	CAOG15000138488	1/4 - 1/2 Mile ESE
K169	CAOG15000138820	1/4 - 1/2 Mile SW
K170	CAOG15000138800	1/4 - 1/2 Mile SW
M171	CAOG15000138397	1/4 - 1/2 Mile East
L172	CAOG15000138054	1/4 - 1/2 Mile SW
L173	CAOG15000138291	1/4 - 1/2 Mile WSW
M174	CAOG15000138783	1/4 - 1/2 Mile East
N175	CAOG15000138346	1/4 - 1/2 Mile SSW
K176	CAOG15000139021	1/4 - 1/2 Mile SW
M177	CAOG15000138645	1/4 - 1/2 Mile ESE
K178	CAOG15000139039	1/4 - 1/2 Mile SW
M179	CAOG15000139036	1/4 - 1/2 Mile ESE
L180	CAOG15000138320	1/4 - 1/2 Mile SW
M181	CAOG15000138156	1/4 - 1/2 Mile East
I182	CAOG15000138687	1/4 - 1/2 Mile ESE
M183	CAOG15000138865	1/4 - 1/2 Mile East
M184	CAOG15000138393	1/4 - 1/2 Mile East
L185	CAOG15000138309	1/4 - 1/2 Mile SW
K186	CAOG15000138029	1/4 - 1/2 Mile SW
I187	CAOG15000138719	1/4 - 1/2 Mile ESE
I188	CAOG15000138724	1/4 - 1/2 Mile ESE
I189	CAOG15000138725	1/4 - 1/2 Mile ESE
M190	CAOG15000138685	1/4 - 1/2 Mile ESE
L191	CAOG15000138283	1/4 - 1/2 Mile WSW
K192	CAOG15000138030	1/4 - 1/2 Mile SW
L193	CAOG15000138910	1/4 - 1/2 Mile SW
K194	CAOG15000138596	1/4 - 1/2 Mile SW
K195	CAOG15000138771	1/4 - 1/2 Mile SW
L196	CAOG15000137987	1/4 - 1/2 Mile SW
O197	CAOG15000138681	1/4 - 1/2 Mile ESE
O198	CAOG15000138682	1/4 - 1/2 Mile ESE
M199	CAOG15000138648	1/4 - 1/2 Mile ESE
P200	CAOG15000138017	1/4 - 1/2 Mile SW
M201	CAOG15000138441	1/4 - 1/2 Mile ESE
L202	CAOG15000138296	1/4 - 1/2 Mile WSW
N203	CAOG15000138892	1/4 - 1/2 Mile SSW
M204	CAOG15000138327	1/4 - 1/2 Mile East
M205	CAOG15000137950	1/4 - 1/2 Mile East

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M206	CAOG15000138784	1/4 - 1/2 Mile East
M207	CAOG15000138316	1/4 - 1/2 Mile East
N208	CAOG15000138733	1/4 - 1/2 Mile SSW
P209	CAOG15000138805	1/4 - 1/2 Mile SW
M210	CAOG15000139030	1/4 - 1/2 Mile ESE
L211	CAOG15000138712	1/4 - 1/2 Mile SW
N212	CAOG15000138437	1/4 - 1/2 Mile SW
L213	CAOG15000138186	1/4 - 1/2 Mile SW
L214	CAOG15000138670	1/4 - 1/2 Mile WSW
P215	CAOG15000138727	1/4 - 1/2 Mile SW
L216	CAOG15000138777	1/4 - 1/2 Mile SW
N217	CAOG15000138731	1/4 - 1/2 Mile SW
N218	CAOG15000138230	1/4 - 1/2 Mile SSW
N219	CAOG15000138366	1/4 - 1/2 Mile SW
M220	CAOG15000139029	1/4 - 1/2 Mile East
M221	CAOG15000139046	1/4 - 1/2 Mile East
O222	CAOG15000138647	1/4 - 1/2 Mile ESE
P223	CAOG15000137868	1/4 - 1/2 Mile SW
M224	CAOG15000138304	1/4 - 1/2 Mile East
M225	CAOG15000139048	1/4 - 1/2 Mile East
P226	CAOG15000138711	1/4 - 1/2 Mile SW
L227	CAOG15000138384	1/4 - 1/2 Mile WSW
M228	CAOG15000139050	1/4 - 1/2 Mile ESE
P229	CAOG15000138644	1/4 - 1/2 Mile SW
N230	CAOG15000138218	1/4 - 1/2 Mile SW
L231	CAOG15000137934	1/4 - 1/2 Mile WSW
N232	CAOG15000138519	1/4 - 1/2 Mile SW
O233	CAOG15000138646	1/4 - 1/2 Mile ESE
O234	CAOG15000138609	1/4 - 1/2 Mile ESE
L235	CAOG15000138436	1/4 - 1/2 Mile WSW
L236	CAOG15000138732	1/4 - 1/2 Mile SW
M237	CAOG15000138608	1/4 - 1/2 Mile ESE
P238	CAOG15000138660	1/4 - 1/2 Mile SW
M239	CAOG15000139028	1/4 - 1/2 Mile ESE
L240	CAOG15000138498	1/4 - 1/2 Mile WSW
O241	CAOG15000137971	1/4 - 1/2 Mile ESE
M242	CAOG15000138742	1/4 - 1/2 Mile East
N243	CAOG15000137977	1/4 - 1/2 Mile SSW
L244	CAOG15000138231	1/4 - 1/2 Mile SW
P245	CAOG15000138559	1/4 - 1/2 Mile SW
N246	CAOG15000138129	1/4 - 1/2 Mile SW
M247	CAOG15000139026	1/4 - 1/2 Mile East
M248	CAOG15000139051	1/4 - 1/2 Mile ESE
Q249	CAOG15000138577	1/4 - 1/2 Mile WSW
M250	CAOG15000138238	1/4 - 1/2 Mile ESE
O251	CAOG15000138925	1/4 - 1/2 Mile ESE
M252	CAOG15000139027	1/4 - 1/2 Mile ESE
O253	CAOG15000138237	1/4 - 1/2 Mile ESE
P254	CAOG15000138121	1/4 - 1/2 Mile SW
M255	CAOG15000137874	1/4 - 1/2 Mile ESE
P256	CAOG15000138578	1/4 - 1/2 Mile SW
M257	CAOG15000138354	1/4 - 1/2 Mile ESE
O258	CAOG15000138579	1/4 - 1/2 Mile ESE
O259	CAOG15000138454	1/4 - 1/2 Mile ESE
M260	CAOG15000139013	1/4 - 1/2 Mile East
P261	CAOG15000137979	1/4 - 1/2 Mile SW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M262	CAOG15000139011	1/4 - 1/2 Mile ESE
P263	CAOG15000138931	1/4 - 1/2 Mile SW
M264	CAOG15000138271	1/4 - 1/2 Mile ESE
R265	CAOG15000138235	1/4 - 1/2 Mile ESE
Q266	CAOG15000139014	1/4 - 1/2 Mile WSW
O267	CAOG15000138514	1/4 - 1/2 Mile ESE
P268	CAOG15000138763	1/4 - 1/2 Mile SW
O269	CAOG15000138624	1/4 - 1/2 Mile ESE
Q270	CAOG15000138317	1/4 - 1/2 Mile WSW
R271	CAOG15000139012	1/4 - 1/2 Mile ESE
R272	CAOG15000138794	1/4 - 1/2 Mile ESE
Q273	CAOG15000138322	1/4 - 1/2 Mile WSW
O274	CAOG15000138664	1/4 - 1/2 Mile ESE
S275	CAOG15000137912	1/4 - 1/2 Mile SW
R276	CAOG15000138381	1/4 - 1/2 Mile ESE
R277	CAOG15000138154	1/4 - 1/2 Mile ESE
R278	CAOG15000138257	1/4 - 1/2 Mile East
P279	CAOG15000138666	1/4 - 1/2 Mile SW
R280	CAOG15000138517	1/4 - 1/2 Mile East
R281	CAOG15000138830	1/4 - 1/2 Mile ESE
Q282	CAOG15000138671	1/4 - 1/2 Mile WSW
P283	CAOG15000137933	1/4 - 1/2 Mile SW
R284	CAOG15000137949	1/4 - 1/2 Mile ESE
R285	CAOG15000138143	1/4 - 1/2 Mile ESE
P286	CAOG15000138634	1/4 - 1/2 Mile SW
P287	CAOG15000138760	1/4 - 1/2 Mile SW
R288	CAOG15000138743	1/4 - 1/2 Mile East
S289	CAOG15000138185	1/4 - 1/2 Mile SW
R290	CAOG15000138808	1/4 - 1/2 Mile ESE
Q291	CAOG15000137870	1/4 - 1/2 Mile WSW
Q292	CAOG15000138906	1/4 - 1/2 Mile WSW
R293	CAOG15000138874	1/4 - 1/2 Mile ESE
R294	CAOG15000138960	1/4 - 1/2 Mile ESE
Q295	CAOG15000138308	1/4 - 1/2 Mile WSW
Q296	CAOG15000138706	1/4 - 1/2 Mile WSW
P297	CAOG15000138963	1/4 - 1/2 Mile SW
Q298	CAOG15000138914	1/4 - 1/2 Mile WSW
R299	CAOG15000138823	1/4 - 1/2 Mile ESE
T300	CAOG15000138466	1/4 - 1/2 Mile East
R301	CAOG15000138922	1/4 - 1/2 Mile ESE
R302	CAOG15000138999	1/4 - 1/2 Mile ESE
S303	CAOG15000138187	1/4 - 1/2 Mile SW
Q304	CAOG15000138762	1/4 - 1/2 Mile WSW
R305	CAOG15000138096	1/4 - 1/2 Mile East
R306	CAOG15000138872	1/4 - 1/2 Mile East
Q307	CAOG15000137871	1/4 - 1/2 Mile WSW
R308	CAOG15000139010	1/4 - 1/2 Mile East
U309	CAOG15000137978	1/4 - 1/2 Mile SW
T310	CAOG15000138383	1/4 - 1/2 Mile East
U311	CAOG15000138875	1/4 - 1/2 Mile SW
Q312	CAOG15000138850	1/4 - 1/2 Mile WSW
U313	CAOG15000137980	1/4 - 1/2 Mile SW
S314	CAOG15000137869	1/4 - 1/2 Mile SW
T315	CAOG15000137920	1/4 - 1/2 Mile East
Q316	CAOG15000138737	1/4 - 1/2 Mile WSW
S317	CAOG15000138917	1/4 - 1/2 Mile SW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
T318	CAOG15000138977	1/4 - 1/2 Mile East
Q319	CAOG15000139035	1/4 - 1/2 Mile WSW
R320	CAOG15000138989	1/4 - 1/2 Mile ESE
R321	CAOG15000138708	1/4 - 1/2 Mile ESE
Q322	CAOG15000138841	1/4 - 1/2 Mile WSW
R323	CAOG15000139000	1/4 - 1/2 Mile East
Q324	CAOG15000138734	1/4 - 1/2 Mile WSW
U325	CAOG15000138184	1/4 - 1/2 Mile SW
Q326	CAOG15000138846	1/4 - 1/2 Mile WSW
S327	CAOG15000138216	1/4 - 1/2 Mile SW
S328	CAOG15000138884	1/4 - 1/2 Mile SW
Q329	CAOG15000137932	1/4 - 1/2 Mile WSW
Q330	CAOG15000138311	1/4 - 1/2 Mile WSW
S331	CAOG15000137872	1/4 - 1/2 Mile SW
Q332	CAOG15000139020	1/4 - 1/2 Mile WSW
U333	CAOG15000138453	1/4 - 1/2 Mile SW
R334	CAOG15000138934	1/4 - 1/2 Mile East
U335	CAOG15000138172	1/4 - 1/2 Mile SW
Q336	CAOG15000139006	1/4 - 1/2 Mile WSW
U337	CAOG15000138385	1/4 - 1/2 Mile SW
T338	CAOG15000138860	1/4 - 1/2 Mile East
R339	CAOG15000138873	1/4 - 1/2 Mile ESE
U340	CAOG15000138157	1/4 - 1/2 Mile WSW
S341	CAOG15000138567	1/4 - 1/2 Mile SW
Q342	CAOG15000138866	1/4 - 1/2 Mile WSW
S343	CAOG15000138979	1/4 - 1/2 Mile SW
Q344	CAOG15000138896	1/4 - 1/2 Mile WSW
T345	CAOG15000138887	1/4 - 1/2 Mile East
V346	CAOG15000138319	1/4 - 1/2 Mile WSW
U347	CAOG15000138951	1/4 - 1/2 Mile SW
U348	CAOG15000138343	1/4 - 1/2 Mile SW
S349	CAOG15000138764	1/4 - 1/2 Mile SW
U350	CAOG15000137913	1/4 - 1/2 Mile SW
T351	CAOG15000138988	1/2 - 1 Mile East
T352	CAOG15000138958	1/2 - 1 Mile East
U353	CAOG15000138348	1/2 - 1 Mile SW
S354	CAOG15000138215	1/2 - 1 Mile SW
V355	CAOG15000138836	1/2 - 1 Mile WSW
U356	CAOG15000138965	1/2 - 1 Mile WSW
V357	CAOG15000138778	1/2 - 1 Mile WSW
U358	CAOG15000138761	1/2 - 1 Mile SW
R359	CAOG15000138355	1/2 - 1 Mile ESE
T360	CAOG15000138919	1/2 - 1 Mile East
V361	CAOG15000138885	1/2 - 1 Mile WSW
T362	CAOG15000139003	1/2 - 1 Mile East
T363	CAOG15000138595	1/2 - 1 Mile East
U364	CAOG15000138697	1/2 - 1 Mile SW
U365	CAOG15000138332	1/2 - 1 Mile SW
U366	CAOG15000138964	1/2 - 1 Mile SW
V367	CAOG15000138852	1/2 - 1 Mile WSW
U368	CAOG15000139001	1/2 - 1 Mile SW
U369	CAOG15000138427	1/2 - 1 Mile SW
T370	CAOG15000139002	1/2 - 1 Mile East
T371	CAOG15000138182	1/2 - 1 Mile ESE
U372	CAOG15000138990	1/2 - 1 Mile SW
U373	CAOG15000138877	1/2 - 1 Mile WSW

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
U374	CAOG15000138497	1/2 - 1 Mile SW
V375	CAOG15000138898	1/2 - 1 Mile WSW
U376	CAOG15000138234	1/2 - 1 Mile WSW
U377	CAOG15000138857	1/2 - 1 Mile WSW
W378	CAOG15000139009	1/2 - 1 Mile ESE
U379	CAOG15000138657	1/2 - 1 Mile SW
V380	CAOG15000138923	1/2 - 1 Mile WSW
T381	CAOG15000138754	1/2 - 1 Mile East
U382	CAOG15000138532	1/2 - 1 Mile SW
V383	CAOG15000138642	1/2 - 1 Mile WSW
U384	CAOG15000138340	1/2 - 1 Mile WSW
U385	CAOG15000137982	1/2 - 1 Mile SW
X386	CAOG15000138984	1/2 - 1 Mile WSW
T387	CAOG15000139015	1/2 - 1 Mile East
W388	CAOG15000138236	1/2 - 1 Mile ESE
W389	CAOG15000138888	1/2 - 1 Mile ESE
W390	CAOG15000138772	1/2 - 1 Mile ESE
T391	CAOG15000138792	1/2 - 1 Mile East
U392	CAOG15000138643	1/2 - 1 Mile SW
U393	CAOG15000138040	1/2 - 1 Mile WSW
X394	CAOG15000138057	1/2 - 1 Mile WSW
W395	CAOG15000137914	1/2 - 1 Mile ESE
X396	CAOG15000138101	1/2 - 1 Mile WSW
T397	CAOG15000138380	1/2 - 1 Mile East
U398	CAOG15000138610	1/2 - 1 Mile SW
V399	CAOG15000138200	1/2 - 1 Mile WSW
U400	CAOG15000139024	1/2 - 1 Mile SW
W401	CAOG15000138753	1/2 - 1 Mile ESE
T402	CAOG15000137880	1/2 - 1 Mile East
T403	CAOG15000139033	1/2 - 1 Mile East
V404	CAOG15000138735	1/2 - 1 Mile WSW
V405	CAOG15000138367	1/2 - 1 Mile WSW
U406	CAOG15000138003	1/2 - 1 Mile SW
X407	CAOG15000138075	1/2 - 1 Mile WSW
Y408	CAOG15000138959	1/2 - 1 Mile East
W409	CAOG15000138961	1/2 - 1 Mile ESE
W410	CAOG15000137953	1/2 - 1 Mile ESE
W411	CAOG15000138221	1/2 - 1 Mile ESE
T412	CAOG15000139016	1/2 - 1 Mile East
Y413	CAOG15000138457	1/2 - 1 Mile East
U414	CAOG15000138233	1/2 - 1 Mile SW
Y415	CAOG15000137881	1/2 - 1 Mile East
V416	CAOG15000138918	1/2 - 1 Mile WSW
Z417	CAOG15000138183	1/2 - 1 Mile SW
W418	CAOG15000138868	1/2 - 1 Mile ESE
X419	CAOG15000138094	1/2 - 1 Mile WSW
V420	CAOG15000138423	1/2 - 1 Mile WSW
X421	CAOG15000138176	1/2 - 1 Mile WSW
V422	CAOG15000138328	1/2 - 1 Mile WSW
Y423	CAOG15000137879	1/2 - 1 Mile East
Z424	CAOG15000138924	1/2 - 1 Mile SW
AA425	CAOG15000138752	1/2 - 1 Mile East
X426	CAOG15000137902	1/2 - 1 Mile SW
Z427	CAOG15000137862	1/2 - 1 Mile SW
X428	CAOG15000138339	1/2 - 1 Mile SW
Y429	CAOG15000138181	1/2 - 1 Mile East

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
W430	CAOG15000138933	1/2 - 1 Mile ESE
V431	CAOG15000138954	1/2 - 1 Mile WSW
X432	CAOG15000138736	1/2 - 1 Mile SW
AA433	CAOG15000138972	1/2 - 1 Mile East
V434	CAOG15000137900	1/2 - 1 Mile WSW
AA435	CAOG15000138992	1/2 - 1 Mile East
V436	CAOG15000138632	1/2 - 1 Mile WSW
X437	CAOG15000137903	1/2 - 1 Mile WSW
Y438	CAOG15000138502	1/2 - 1 Mile East
Y439	CAOG15000138973	1/2 - 1 Mile East
AA440	CAOG15000139043	1/2 - 1 Mile East
Z441	CAOG15000138950	1/2 - 1 Mile SW
V442	CAOG15000138204	1/2 - 1 Mile WSW
Y443	CAOG15000138558	1/2 - 1 Mile East
X444	CAOG15000138452	1/2 - 1 Mile WSW
AA445	CAOG15000138995	1/2 - 1 Mile East
AB446	CAOG15000137972	1/2 - 1 Mile WSW
AB447	CAOG15000138574	1/2 - 1 Mile WSW
AA448	CAOG15000138994	1/2 - 1 Mile East
Z449	CAOG15000138867	1/2 - 1 Mile SW
Y450	CAOG15000138550	1/2 - 1 Mile East
451	CAOG15000138786	1/2 - 1 Mile SSW
AA452	CAOG15000138746	1/2 - 1 Mile ESE
X453	CAOG15000138935	1/2 - 1 Mile WSW
AA454	CAOG15000138971	1/2 - 1 Mile East
AA455	CAOG15000138993	1/2 - 1 Mile East
X456	CAOG15000138499	1/2 - 1 Mile WSW
Y457	CAOG15000138996	1/2 - 1 Mile East
AA458	CAOG15000138975	1/2 - 1 Mile East
X459	CAOG15000138528	1/2 - 1 Mile SW
AA460	CAOG15000138599	1/2 - 1 Mile East
AA461	CAOG15000138775	1/2 - 1 Mile ESE
Y462	CAOG15000138871	1/2 - 1 Mile East
AB463	CAOG15000138738	1/2 - 1 Mile WSW
Y464	CAOG15000137915	1/2 - 1 Mile East
AA465	CAOG15000138870	1/2 - 1 Mile East
AB466	CAOG15000137863	1/2 - 1 Mile WSW
AA467	CAOG15000137878	1/2 - 1 Mile East
AA468	CAOG15000138473	1/2 - 1 Mile East
Y469	CAOG15000138555	1/2 - 1 Mile East
Z470	CAOG15000138597	1/2 - 1 Mile SW
AA471	CAOG15000138946	1/2 - 1 Mile East
AB472	CAOG15000138695	1/2 - 1 Mile WSW
AB473	CAOG15000137973	1/2 - 1 Mile WSW
Y474	CAOG15000138944	1/2 - 1 Mile East
AB475	CAOG15000138696	1/2 - 1 Mile WSW
AC476	CAOG15000138633	1/2 - 1 Mile SW
AA477	CAOG15000138751	1/2 - 1 Mile East
AB478	CAOG15000137931	1/2 - 1 Mile WSW
AD479	CAOG15000138976	1/2 - 1 Mile East
AB480	CAOG15000137992	1/2 - 1 Mile WSW
AA481	CAOG15000138890	1/2 - 1 Mile East
AD482	CAOG15000138969	1/2 - 1 Mile East
AD483	CAOG15000138943	1/2 - 1 Mile East
AD484	CAOG15000138942	1/2 - 1 Mile East
AD485	CAOG15000137990	1/2 - 1 Mile East

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AD486	CAOG15000138947	1/2 - 1 Mile East
AB487	CAOG15000138680	1/2 - 1 Mile WSW
AD488	CAOG15000137954	1/2 - 1 Mile East
AD489	CAOG15000138968	1/2 - 1 Mile East
AB490	CAOG15000137989	1/2 - 1 Mile WSW
AC491	CAOG15000138658	1/2 - 1 Mile WSW
492	CAOG15000138791	1/2 - 1 Mile ESE
AB493	CAOG15000138451	1/2 - 1 Mile WSW
AD494	CAOG15000138981	1/2 - 1 Mile East
AD495	CAOG15000138970	1/2 - 1 Mile East
AB496	CAOG15000138074	1/2 - 1 Mile WSW
AD497	CAOG15000138957	1/2 - 1 Mile East
AD498	CAOG15000138920	1/2 - 1 Mile East
AD499	CAOG15000138774	1/2 - 1 Mile East
AB500	CAOG15000138004	1/2 - 1 Mile WSW
AE501	CAOG15000138028	1/2 - 1 Mile WSW
AB502	CAOG15000138203	1/2 - 1 Mile WSW
AD503	CAOG15000008255	1/2 - 1 Mile East
AD504	CAOG15000138242	1/2 - 1 Mile East
AF505	CAOG15000138419	1/2 - 1 Mile WSW
AF506	CAOG15000138039	1/2 - 1 Mile WSW
AC507	CAOG15000138053	1/2 - 1 Mile WSW
AD508	CAOG15000138790	1/2 - 1 Mile East
AF509	CAOG15000138370	1/2 - 1 Mile WSW
AE510	CAOG15000139017	1/2 - 1 Mile WSW
AE511	CAOG15000138202	1/2 - 1 Mile WSW
AE512	CAOG15000138816	1/2 - 1 Mile WSW
AG513	CAOG15000138501	1/2 - 1 Mile East
AE514	CAOG15000137974	1/2 - 1 Mile WSW
AE515	CAOG15000138983	1/2 - 1 Mile WSW
AE516	CAOG15000138897	1/2 - 1 Mile WSW
AF517	CAOG15000138535	1/2 - 1 Mile WSW
AD518	CAOG15000138627	1/2 - 1 Mile East
AD519	CAOG15000139037	1/2 - 1 Mile East
AD520	CAOG15000138940	1/2 - 1 Mile East
AD521	CAOG15000138869	1/2 - 1 Mile East
AD522	CAOG15000138853	1/2 - 1 Mile East
AE523	CAOG15000138797	1/2 - 1 Mile WSW
AD524	CAOG15000138912	1/2 - 1 Mile East
AE525	CAOG15000137941	1/2 - 1 Mile WSW
AE526	CAOG15000138341	1/2 - 1 Mile WSW
AE527	CAOG15000139032	1/2 - 1 Mile WSW
AE528	CAOG15000138027	1/2 - 1 Mile WSW
AF529	CAOG15000138534	1/2 - 1 Mile WSW
530	CAOG15000137966	1/2 - 1 Mile South
AG531	CAOG15000138945	1/2 - 1 Mile East
AG532	CAOG15000138835	1/2 - 1 Mile East
AE533	CAOG15000138902	1/2 - 1 Mile WSW
AD534	CAOG15000138909	1/2 - 1 Mile East
AE535	CAOG15000138825	1/2 - 1 Mile WSW
AE536	CAOG15000139005	1/2 - 1 Mile WSW
AE537	CAOG15000138799	1/2 - 1 Mile WSW
AE538	CAOG15000138901	1/2 - 1 Mile WSW
AE539	CAOG15000137975	1/2 - 1 Mile WSW
AF540	CAOG15000138386	1/2 - 1 Mile WSW
AD541	CAOG15000138907	1/2 - 1 Mile East

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AD542	CAOG15000138913	1/2 - 1 Mile East
AD543	CAOG15000138845	1/2 - 1 Mile East
AF544	CAOG15000138828	1/2 - 1 Mile WSW
AG545	CAOG15000138939	1/2 - 1 Mile East
AE546	CAOG15000138214	1/2 - 1 Mile WSW
AE547	CAOG15000138937	1/2 - 1 Mile WSW
AE548	CAOG15000137901	1/2 - 1 Mile WSW
AG549	CAOG15000137952	1/2 - 1 Mile East
AH550	CAOG15000138889	1/2 - 1 Mile East
AG551	CAOG15000138243	1/2 - 1 Mile East
AD552	CAOG15000138462	1/2 - 1 Mile East
AG553	CAOG15000138941	1/2 - 1 Mile East
AE554	CAOG15000138894	1/2 - 1 Mile WSW
AE555	CAOG15000138201	1/2 - 1 Mile WSW
AH556	CAOG15000137916	1/2 - 1 Mile East
AE557	CAOG15000138630	1/2 - 1 Mile WSW
AG558	CAOG15000138908	1/2 - 1 Mile East
AH559	CAOG15000138776	1/2 - 1 Mile East
AG560	CAOG15000138516	1/2 - 1 Mile East
AE561	CAOG15000138258	1/2 - 1 Mile WSW
AF562	CAOG15000137866	1/2 - 1 Mile WSW
AI563	CAOG15000138582	1/2 - 1 Mile WSW
AG564	CAOG15000138463	1/2 - 1 Mile East
AF565	CAOG15000137944	1/2 - 1 Mile WSW
AF566	CAOG15000138401	1/2 - 1 Mile WSW
AG567	CAOG15000138821	1/2 - 1 Mile East
AG568	CAOG15000138569	1/2 - 1 Mile East
AJ569	CAOG15000137942	1/2 - 1 Mile WSW
AH570	CAOG15000138927	1/2 - 1 Mile East
AF571	CAOG15000138815	1/2 - 1 Mile WSW
AF572	CAOG15000138806	1/2 - 1 Mile WSW
AG573	CAOG15000138810	1/2 - 1 Mile East
AG574	CAOG15000138356	1/2 - 1 Mile East
AI575	CAOG15000138847	1/2 - 1 Mile WSW
AG576	CAOG15000138899	1/2 - 1 Mile East
AH577	CAOG15000138807	1/2 - 1 Mile East
AF578	CAOG15000138938	1/2 - 1 Mile WSW
AH579	CAOG15000138801	1/2 - 1 Mile East
AG580	CAOG15000138903	1/2 - 1 Mile East
AF581	CAOG15000138809	1/2 - 1 Mile WSW
AH582	CAOG15000139041	1/2 - 1 Mile East
AJ583	CAOG15000138688	1/2 - 1 Mile WSW
AG584	CAOG15000138900	1/2 - 1 Mile East
AG585	CAOG15000138905	1/2 - 1 Mile East
AI586	CAOG15000138583	1/2 - 1 Mile WSW
AH587	CAOG15000138803	1/2 - 1 Mile East
AI588	CAOG15000138739	1/2 - 1 Mile WSW
AK589	CAOG15000138839	1/2 - 1 Mile East
AI590	CAOG15000138765	1/2 - 1 Mile WSW
AI591	CAOG15000138878	1/2 - 1 Mile WSW
AH592	CAOG15000139034	1/2 - 1 Mile East
AI593	CAOG15000138980	1/2 - 1 Mile WSW
AK594	CAOG15000138855	1/2 - 1 Mile East
AI595	CAOG15000138854	1/2 - 1 Mile WSW
AH596	CAOG15000138991	1/2 - 1 Mile East
AH597	CAOG15000138768	1/2 - 1 Mile East

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AI598	CAOG15000138108	1/2 - 1 Mile WSW
AK599	CAOG15000138843	1/2 - 1 Mile East
AH600	CAOG15000138818	1/2 - 1 Mile East
AI601	CAOG15000138394	1/2 - 1 Mile WSW
AI602	CAOG15000138212	1/2 - 1 Mile WSW
AJ603	CAOG15000138613	1/2 - 1 Mile WSW
AK604	CAOG15000138827	1/2 - 1 Mile East
AL605	CAOG15000139042	1/2 - 1 Mile WSW
AI606	CAOG15000138496	1/2 - 1 Mile WSW
AK607	CAOG15000138826	1/2 - 1 Mile East
AI608	CAOG15000137897	1/2 - 1 Mile WSW
AI609	CAOG15000138095	1/2 - 1 Mile WSW
AI610	CAOG15000138849	1/2 - 1 Mile WSW
AK611	CAOG15000138822	1/2 - 1 Mile East
AI612	CAOG15000137943	1/2 - 1 Mile WSW
AK613	CAOG15000138831	1/2 - 1 Mile East
AH614	CAOG15000138967	1/2 - 1 Mile East
AL615	CAOG15000138249	1/2 - 1 Mile WSW
AI616	CAOG15000138840	1/2 - 1 Mile WSW
AL617	CAOG15000138396	1/2 - 1 Mile WSW
AL618	CAOG15000138817	1/2 - 1 Mile WSW
AI619	CAOG15000137945	1/2 - 1 Mile WSW
AK620	CAOG15000137891	1/2 - 1 Mile East
AK621	CAOG15000138244	1/2 - 1 Mile East
AI622	CAOG15000138842	1/2 - 1 Mile WSW
AK623	CAOG15000139025	1/2 - 1 Mile East
AL624	CAOG15000137898	1/2 - 1 Mile WSW
AI625	CAOG15000138802	1/2 - 1 Mile WSW
AI626	CAOG15000138175	1/2 - 1 Mile WSW
AI627	CAOG15000137867	1/2 - 1 Mile WSW
AK628	CAOG15000138819	1/2 - 1 Mile East
AM629	CAOG15000138982	1/2 - 1 Mile East
AL630	CAOG15000138533	1/2 - 1 Mile WSW
AL631	CAOG15000138368	1/2 - 1 Mile WSW
AK632	CAOG15000139004	1/2 - 1 Mile East
AI633	CAOG15000138174	1/2 - 1 Mile WSW
AK634	CAOG15000138710	1/2 - 1 Mile East
AL635	CAOG15000138612	1/2 - 1 Mile WSW
AM636	CAOG15000137882	1/2 - 1 Mile East
AL637	CAOG15000138598	1/2 - 1 Mile WSW
AL638	CAOG15000138631	1/2 - 1 Mile WSW
AL639	CAOG15000138672	1/2 - 1 Mile WSW
AL640	CAOG15000138705	1/2 - 1 Mile WSW
AM641	CAOG15000138205	1/2 - 1 Mile East
AL642	CAOG15000137988	1/2 - 1 Mile WSW
AL643	CAOG15000138031	1/2 - 1 Mile WSW
AN644	CAOG15000138326	1/2 - 1 Mile WSW
AK645	CAOG15000138222	1/2 - 1 Mile East
AL646	CAOG15000138213	1/2 - 1 Mile WSW
AN647	CAOG15000138728	1/2 - 1 Mile WSW
AN648	CAOG15000137899	1/2 - 1 Mile WSW
AL649	CAOG15000138407	1/2 - 1 Mile WSW
AM650	CAOG15000138245	1/2 - 1 Mile East
AN651	CAOG15000138832	1/2 - 1 Mile WSW
AM652	CAOG15000138928	1/2 - 1 Mile East
AK653	CAOG15000138891	1/2 - 1 Mile East

STATE OIL/GAS WELL INFORMATION

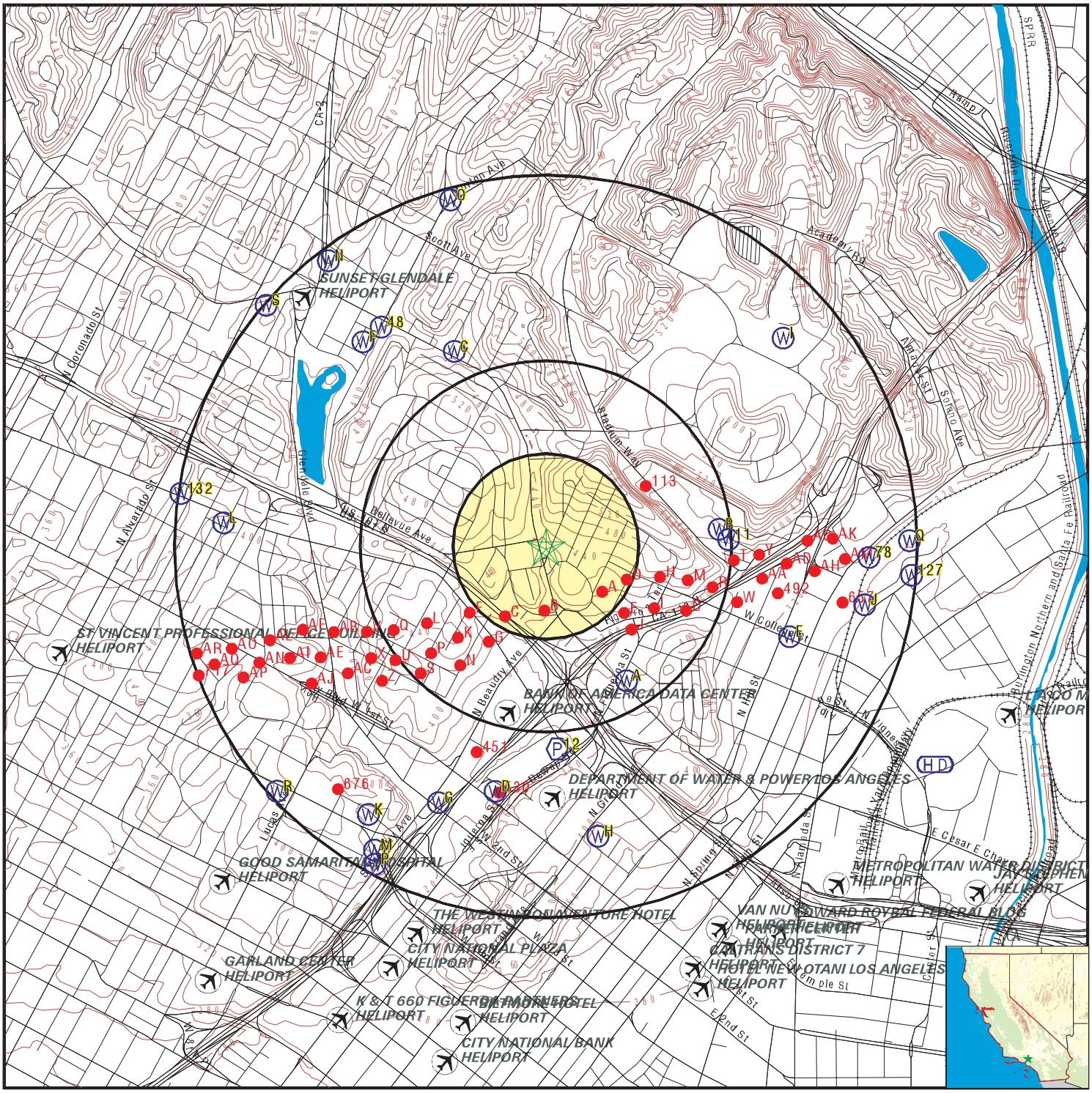
MAP ID	WELL ID	LOCATION FROM TP
AM654	CAOG15000138747	1/2 - 1 Mile East
AK655	CAOG15000138929	1/2 - 1 Mile East
AM656	CAOG15000138953	1/2 - 1 Mile East
657	CAOG15000139049	1/2 - 1 Mile East
AN658	CAOG15000138051	1/2 - 1 Mile WSW
AL659	CAOG15000138405	1/2 - 1 Mile WSW
AK660	CAOG15000138748	1/2 - 1 Mile East
AN661	CAOG15000138082	1/2 - 1 Mile WSW
AN662	CAOG15000138071	1/2 - 1 Mile WSW
AN663	CAOG15000138403	1/2 - 1 Mile WSW
AN664	CAOG15000138024	1/2 - 1 Mile WSW
AM665	CAOG15000137951	1/2 - 1 Mile East
AM666	CAOG15000138932	1/2 - 1 Mile East
AN667	CAOG15000138232	1/2 - 1 Mile WSW
AN668	CAOG15000138400	1/2 - 1 Mile WSW
AN669	CAOG15000137991	1/2 - 1 Mile WSW
AO670	CAOG15000137908	1/2 - 1 Mile WSW
AN671	CAOG15000137936	1/2 - 1 Mile WSW
AN672	CAOG15000138199	1/2 - 1 Mile WSW
AN673	CAOG15000138349	1/2 - 1 Mile WSW
AN674	CAOG15000137935	1/2 - 1 Mile WSW
AP675	CAOG15000138713	1/2 - 1 Mile WSW
676	CAOG15000008266	1/2 - 1 Mile SW
AN677	CAOG15000138369	1/2 - 1 Mile WSW
AN678	CAOG15000138211	1/2 - 1 Mile WSW
AP679	CAOG15000138102	1/2 - 1 Mile WSW
AO680	CAOG15000138404	1/2 - 1 Mile WSW
AO681	CAOG15000138229	1/2 - 1 Mile WSW
AO682	CAOG15000137963	1/2 - 1 Mile WSW
AO683	CAOG15000137907	1/2 - 1 Mile WSW
AO684	CAOG15000137865	1/2 - 1 Mile WSW
AO685	CAOG15000138467	1/2 - 1 Mile WSW
AP686	CAOG15000138410	1/2 - 1 Mile WSW
AO687	CAOG15000138413	1/2 - 1 Mile WSW
AO688	CAOG15000138416	1/2 - 1 Mile WSW
AQ689	CAOG15000138470	1/2 - 1 Mile WSW
AP690	CAOG15000138110	1/2 - 1 Mile WSW
AQ691	CAOG15000139022	1/2 - 1 Mile WSW
AQ692	CAOG15000137964	1/2 - 1 Mile WSW
AQ693	CAOG15000138210	1/2 - 1 Mile WSW
AQ694	CAOG15000138412	1/2 - 1 Mile WSW
AQ695	CAOG15000137937	1/2 - 1 Mile WSW
AQ696	CAOG15000137864	1/2 - 1 Mile WSW
AQ697	CAOG15000138526	1/2 - 1 Mile WSW
AQ698	CAOG15000138379	1/2 - 1 Mile WSW
AQ699	CAOG15000138767	1/2 - 1 Mile WSW
AQ700	CAOG15000138882	1/2 - 1 Mile WSW
AQ701	CAOG15000138173	1/2 - 1 Mile WSW
AQ702	CAOG15000138904	1/2 - 1 Mile WSW
AQ703	CAOG15000138228	1/2 - 1 Mile WSW
AR704	CAOG15000137938	1/2 - 1 Mile WSW
AQ705	CAOG15000138425	1/2 - 1 Mile WSW
AQ706	CAOG15000138209	1/2 - 1 Mile WSW
AQ707	CAOG15000138472	1/2 - 1 Mile WSW
AR708	CAOG15000138779	1/2 - 1 Mile WSW
AQ709	CAOG15000137965	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AQ710	CAOG15000138388	1/2 - 1 Mile WSW
AR711	CAOG15000138986	1/2 - 1 Mile WSW
AQ712	CAOG15000138475	1/2 - 1 Mile WSW
AR713	CAOG15000138952	1/2 - 1 Mile WSW
AR714	CAOG15000139008	1/2 - 1 Mile WSW
AR715	CAOG15000137939	1/2 - 1 Mile WSW
AR716	CAOG15000137906	1/2 - 1 Mile WSW
717	CAOG15000138479	1/2 - 1 Mile WSW
AR718	CAOG15000138476	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7344021.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	479224
ADDRESS:	1185-1245 W Sunset Boulevard Los Angeles CA 90026
LAT/LONG:	34.06793 / 118.249773

CLIENT:	AEI Consultants
CONTACT:	Johanan Supnet
INQUIRY #:	7344021.2s
DATE:	May 23, 2023 8:54 am

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000086867**

Well ID:	T10000000641-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000000641&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000000641&assigned_name=MW4		

A2
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000116190**

Well ID:	T10000000641-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000000641&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000000641&assigned_name=MW5		

A3
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000074224**

Well ID:	T10000000641-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000000641&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000000641&assigned_name=MW3		

A4
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000039274**

Well ID:	T10000000641-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000000641&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000000641&assigned_name=MW2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B5
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000136634**

Well ID:	T0603714859-MW03	Well Type:	MONITORING
Source:	EDF	Other Name:	MW03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603714859&assigned_name=MW03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603714859&assigned_name=MW03		

A6
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000002089**

Well ID:	T10000000641-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000000641&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000000641&assigned_name=MW1		

B7
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000014665**

Well ID:	T0603714859-MW02	Well Type:	MONITORING
Source:	EDF	Other Name:	MW02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603714859&assigned_name=MW02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603714859&assigned_name=MW02		

B8
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000063955**

Well ID:	T0603714859-MW01	Well Type:	MONITORING
Source:	EDF	Other Name:	MW01
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603714859&assigned_name=MW01&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603714859&assigned_name=MW01		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000080633**

Well ID:	T0603714859-MW05	Well Type:	MONITORING
Source:	EDF	Other Name:	MW05
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603714859&assigned_name=MW05&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603714859&assigned_name=MW05		

B10
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000045109**

Well ID:	T0603714859-MW07	Well Type:	MONITORING
Source:	EDF	Other Name:	MW07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603714859&assigned_name=MW07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603714859&assigned_name=MW07		

11
East
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000127265**

Well ID:	T0603714859-MW06	Well Type:	MONITORING
Source:	EDF	Other Name:	MW06
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603714859&assigned_name=MW06&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603714859&assigned_name=MW06		

12
South
1/2 - 1 Mile
Lower

FRDS PWS **CA1910248**

Epa region:	09	State:	CA
Pwsid:	CA1910248	Pwsname:	LOS ANGELES CO WW DIST 37-ACTON
Cityserved:	Not Reported	Stateserved:	CA
Zipserved:	Not Reported	Fipscounty:	06037
Status:	Active	Retpopsrvd:	4363
Pwssvcconn:	1404	Psource longname:	Purch_surface_water
Pwstype:	CWS	Owner:	Local_Govt
Contact:	ARIKI, ADAM	Contactorgname:	ARIKI, ADAM
Contactphone:	626-300-3300	Contactaddress1:	P.O. BOX 1460
Contactaddress2:	Not Reported	Contactcity:	ALHAMBRA

Contactstate:	CA	Contactzip:	91802-1460
Pwsactivitycode:	A		
Pwsid:	CA1910248	Facid:	6188
Facname:	COMB. WELLS 37-01,03 & 04 - CHLORINATION		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	gaseous chlorination, post
Factypecode:	TP		
Pwsid:	CA1910248	Facid:	6192
Facname:	NITRATE BLENDING STATION-WELLS 01,03&04		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
Pwsid:	CA1910248	Facid:	CA1910248006
Facname:	NITRATE BLENDING STATION-WELLS 01,03&04		
Factype:	Treatment_plant	Facactivitycode:	A
Trtobjective:	disinfection	Trtprocess:	hypochlorination, post
Factypecode:	TP		
PWS ID:	CA1910248	PWS name:	LOS ANGELES CO WW DIST 37-ACTON
Address:	Not Reported	Care of:	Not Reported
City:	ALHAMBRA	State:	CA
Zip:	91803	Owner:	LOS ANGELES CO WW DIST 37-ACTON
Source code:	Purchases surface water	Population:	2937
PWS ID:	CA1910248	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	County:	Not Reported
Source:	Purchases surface water	Treatment Objective:	DISINFECTION
Process:	GASEOUS CHLORINATION, POST		
Population:	3082		
PWS ID:	CA1910248	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00002766	System name:	LOS ANGELES CO WW DIST 37-ACTON
System address:	Not Reported	System address:	P. O. BOX 1460
System city:	ALHAMBRA	System state:	CA
System zip:	91803		
County FIPS:	037	City served:	ACTON
Population served:	2,501 - 3,300 Persons	Treatment:	Mixed (treated and untreated)
Latitude:	340336	Longitude:	1181454

C13
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000022517**

Well ID:	T0603700732-MW-5
Well Type:	MONITORING
Source:	EDF
Other Name:	MW-5
GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700732&assigned_name=MW-5&store_num=
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700732&assigned_name=MW-5

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C14
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034846**

Well ID:	T0603700732-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700732&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700732&assigned_name=MW-6		

C15
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000054913**

Well ID:	T0603700732-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700732&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700732&assigned_name=MW-2		

C16
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143517**

Well ID:	T0603700732-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700732&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700732&assigned_name=MW-1		

C17
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000116455**

Well ID:	T0603700732-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700732&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700732&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C18
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037936**

Well ID:	T0603700732-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700732&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700732&assigned_name=MW-4		

D19
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000004355**

Well ID:	T0603700532-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-14		

D20
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000109669**

Well ID:	T0603700532-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-13		

D21
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000034134**

Well ID:	T0603700532-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-10		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D22
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041334**

Well ID:	T0603700532-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-8		

D23
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116153**

Well ID:	T0603700532-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-12		

D24
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000115350**

Well ID:	T0603700532-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-9		

D25
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000064688**

Well ID:	T0603700532-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-16		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D26
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000067843**

Well ID:	T0603700532-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-4		

D27
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000113547**

Well ID:	T0603700532-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-1		

D28
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000045168**

Well ID:	T0603700532-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-7		

D29
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000078422**

Well ID:	T0603700532-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D30
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111873**

Well ID:	T0603700532-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-2		

D31
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000084676**

Well ID:	T0603700532-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-6		

D32
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000029621**

Well ID:	T0603700532-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-5		

D33
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000053877**

Well ID:	T0603700532-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-17		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E34
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000048124**

Well ID:	T0603700530-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW5		

D35
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031764**

Well ID:	T0603700532-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-11		

E36
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000104870**

Well ID:	T0603700530-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW3		

E37
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000123906**

Well ID:	T0603700530-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D38
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000095395**

Well ID:	T0603700532-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700532&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700532&assigned_name=MW-15		

E39
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000085222**

Well ID:	T0603700530-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW1		

E40
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000061171**

Well ID:	T0603700530-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW4		

E41
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000050329**

Well ID:	T0603700530-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E42
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000022018**

Well ID:	T0603700530-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700530&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700530&assigned_name=MW6		

F43
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000054512**

Well ID:	SL2048E1699-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-6		

F44
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000055159**

Well ID:	SL2048E1699-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-2		

G45
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000017785**

Well ID:	T0603755746-MW-5A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-5A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-5A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G46
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000123297**

Well ID:	T0603755746-MW-4A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-4A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-4A		

F47
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000137518**

Well ID:	SL2048E1699-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-5		

48
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000000044**

Well ID:	SL2048E1699-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-10		

F49
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000055447**

Well ID:	SL2048E1699-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F50
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000078166**

Well ID:	SL2048E1699-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-9		

F51
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000032079**

Well ID:	SL2048E1699-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-3		

F52
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000085053**

Well ID:	SL2048E1699-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-1		

G53
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000043569**

Well ID:	T0603755746-MW-6A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-6A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-6A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F54
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000133528**

Well ID:	SL2048E1699-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-4		

G55
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116910**

Well ID:	T0603755746-MW-7A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-7A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-7A		

G56
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000086386**

Well ID:	T0603755746-MW-3A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-3A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-3A		

F57
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000035164**

Well ID:	SL2048E1699-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2048E1699&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2048E1699&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G58
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000067109**

Well ID:	T0603755746-MW-1A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-1A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-1A		

G59
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000067489**

Well ID:	T0603755746-MW-2A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-2A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-2A		

G60
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070182**

Well ID:	T0603755746-MW-8A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603755746&assigned_name=MW-8A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603755746&assigned_name=MW-8A		

H61
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000078128**

Well ID:	T0603759109-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759109&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759109&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H62
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023644**

Well ID:	T0603759109-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759109&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759109&assigned_name=MW-1		

H63
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000067049**

Well ID:	T0603759109-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759109&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759109&assigned_name=MW-4		

H64
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072908**

Well ID:	T0603759109-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603759109&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603759109&assigned_name=MW-3		

I65
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000086058**

Well ID:	T0603700528-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I66
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000141484**

Well ID:	T0603700528-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-10		

I67
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042005**

Well ID:	T0603700528-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-8		

I68
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033687**

Well ID:	T0603700528-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-7		

I69
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000116172**

Well ID:	T0603700528-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J70
ESE
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000082490**

Well ID:	SL2047T1683-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2047T1683&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2047T1683&assigned_name=MW-2		

I71
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067613**

Well ID:	T0603700528-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-3		

K72
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000090764**

Well ID:	T0603700599-MW-58	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-58
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-58&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-58		

L73
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112637**

Well ID:	T0603724473-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603724473&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603724473&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L74
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000107827**

Well ID:	T0603724473-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603724473&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603724473&assigned_name=MW-4		

I75
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000090802**

Well ID:	T0603700528-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-1		

I76
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000072996**

Well ID:	T0603700528-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-4		

I77
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000005709**

Well ID:	T0603700528-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

78
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000077082**

Well ID:	SL2047T1683-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2047T1683&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2047T1683&assigned_name=MW-18		

K79
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000075382**

Well ID:	T0603700599-MW-51	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-51
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-51&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-51		

I80
NE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000019953**

Well ID:	T0603700528-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700528&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700528&assigned_name=MW-2		

L81
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074482**

Well ID:	T0603724473-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603724473&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603724473&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L82
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000108693**

Well ID:	T0603724473-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603724473&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603724473&assigned_name=MW-1		

M83
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000071685**

Well ID:	T0603700599-MW-50	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-50
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-50&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-50		

J84
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000122119**

Well ID:	SL2047T1683-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2047T1683&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2047T1683&assigned_name=MW-19		

M85
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000113132**

Well ID:	T0603700599-MW-53	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-53
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-53&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-53		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M86
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112587**

Well ID:	T0603700599-MW-52	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-52
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-52&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-52		

N87
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000130150**

Well ID:	T0603758404-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-12		

N88
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000138997**

Well ID:	T0603758404-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-11		

M89
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000091729**

Well ID:	T0603700599-MW-54	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-54
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-54&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-54		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M90
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083030**

Well ID:	T0603700599-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-12		

M91
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000038658**

Well ID:	T0603700599-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-2		

N92
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000008695**

Well ID:	T0603758404-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-7		

O93
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000127957**

Well ID:	T0603700729-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW8		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P94
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083003**

Well ID:	T0603700599-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-13		

N95
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000141453**

Well ID:	T0603758404-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-6		

P96
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000099125**

Well ID:	T0603700599-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-11		

O97
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000075624**

Well ID:	T0603700729-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M98
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000138885**

Well ID:	T0603700599-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-9		

P99
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112668**

Well ID:	T0603700599-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-5		

O100
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000015073**

Well ID:	T0603700729-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW6		

N101
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000135383**

Well ID:	T0603758404-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P102
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000003199**

Well ID:	T0603700599-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-1		

O103
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000138934**

Well ID:	T0603700729-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW3		

O104
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066908**

Well ID:	T0603700729-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW4		

Q105
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000003268**

Well ID:	SL2047T1683-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2047T1683&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2047T1683&assigned_name=MW-20		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R106
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000056261**

Well ID:	WDR100011877-GW9	Well Type:	MONITORING
Source:	EDF	Other Name:	GW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=GW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=GW9		

N107
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000061127**

Well ID:	T0603758404-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-1		

O108
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136158**

Well ID:	T0603700729-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW2		

P109
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000127485**

Well ID:	T0603700599-MW-1R	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-1R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-1R		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P110
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000082473**

Well ID:	T0603700599-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-6		

R111
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120352**

Well ID:	WDR100011877-VE1	Well Type:	MONITORING
Source:	EDF	Other Name:	VE1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=VE1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=VE1		

P112
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000070027**

Well ID:	T0603700599-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-7		

O113
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000143502**

Well ID:	T0603700729-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N114
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000078818**

Well ID:	T0603758404-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-5		

O115
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045573**

Well ID:	T0603700729-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW9		

P116
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000064534**

Well ID:	T0603700599-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-8		

R117
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116808**

Well ID:	WDR100011877-VE2	Well Type:	MONITORING
Source:	EDF	Other Name:	VE2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=VE2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=VE2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R118
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129920**

Well ID:	WDR100011877-PW1	Well Type:	MONITORING
Source:	EDF	Other Name:	PW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=PW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=PW1		

P119
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111126**

Well ID:	T0603700599-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-10		

N120
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111880**

Well ID:	T0603758404-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-3		

O121
NNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000107201**

Well ID:	T0603700729-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700729&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700729&assigned_name=MW1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R122
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000059288**

Well ID:	WDR100011877-VE3	Well Type:	MONITORING
Source:	EDF	Other Name:	VE3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=VE3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=VE3		

P123
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129269**

Well ID:	T0603700599-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-14		

R124
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000104317**

Well ID:	WDR100011877-PW2	Well Type:	MONITORING
Source:	EDF	Other Name:	PW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=PW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=PW2		

P125
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000112807**

Well ID:	T0603700599-MW-55	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-55
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-55&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-55		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N126
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000066021**

Well ID:	T0603758404-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-4		

127
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000008276**

Well ID:	SL2047T1683-BMW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	BMW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2047T1683&assigned_name=BMW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2047T1683&assigned_name=BMW-5		

Q128
East
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000131693**

Well ID:	SL2047T1683-BMW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	BMW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL2047T1683&assigned_name=BMW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL2047T1683&assigned_name=BMW-6		

R129
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000114333**

Well ID:	WDR100011877-GW6	Well Type:	MONITORING
Source:	EDF	Other Name:	GW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=GW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=GW6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S130
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125900**

Well ID:	T0603700718-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700718&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700718&assigned_name=MW-3		

P131
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000050735**

Well ID:	T0603700599-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700599&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700599&assigned_name=MW-3		

132
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000035624**

Well ID:	T0603700714-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700714&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700714&assigned_name=MW-15		

N133
NW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000081639**

Well ID:	T0603758404-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603758404&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603758404&assigned_name=MW-13		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R134
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000117676**

Well ID:	WDR100011877-GW7	Well Type:	MONITORING
Source:	EDF	Other Name:	GW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100011877&assigned_name=GW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100011877&assigned_name=GW7		

S135
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131647**

Well ID:	T0603700718-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603700718&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603700718&assigned_name=MW-2		

Map ID
Direction
Distance

Database EDR ID Number

A1
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138179**

API #:	0403725955	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B2
South
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138241**

API #:	0403725884	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by M. & M. Oil Co.
Operator ID:	05515	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A3
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138371**

API #:	0403725954	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A4
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000137876**

API #:	0403725953	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

B5
South
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138352**

API #:	0403725883	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by M. & M. Oil Co.
Operator ID:	05515	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B6
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138189**

API #:	0403725736	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by O. McKernan
Operator ID:	09624	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B7
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138345**

API #:	0403725735	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by O. McKernan
Operator ID:	09624	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B8
South
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138456**

API #:	0403725886	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by M. & M. Oil Co.
Operator ID:	05515	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

B9
SSE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138619**

API #:	0403725958	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B10
South
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138584**

API #:	0403725885	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by M. & M. Oil Co.
Operator ID:	05515	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C11
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138759**

API #:	0403719073	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by W. H. Andrews
Operator ID:	08887	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A12
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138068**

API #:	0403725442	Well #:	120
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	120	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

A13
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138046**

API #:	0403725447	Well #:	118
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	118	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A14
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138045**

API #:	0403725443	Well #:	117
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	117	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A15
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138426**

API #:	0403725959	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A16
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138789**

API #:	0403706425	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	L.A. 1	Lease Name:	L.A.
Operator ID:	D1830	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C17
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138351**

API #:	0403726051	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by A. D. Reese
Operator ID:	09527	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C18
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138188**

API #:	0403726052	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by A. D. Reese
Operator ID:	09527	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A19
SSE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138518**

API #:	0403725956	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C20
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000137910**

API #:	0403725734	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by O. McKernan
Operator ID:	09624	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

A21
SSE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138568**

API #:	0403725957	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Oceanic Oil Co.
Operator ID:	06387	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A22
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138876**

API #:	0403706476	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	L.A. 2	Lease Name:	L.A.
Operator ID:	D1830	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A23
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000137970**

API #:	0403725878	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Little Oil Co.
Operator ID:	09609	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A24
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000139031**

API #:	0403700422	Well #:	8
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by The Geotest Co.
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

A25
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138217**

API #:	0403725879	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Little Oil Co.
Operator ID:	09609	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A26
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000139040**

API #:	0403700423	Well #:	9
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by The Geotest Co.
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A27
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138047**

API #:	0403725439	Well #:	119
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	119	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C28
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000137967**

API #:	0403725882	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by M. & M. Oil Co.
Operator ID:	05515	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D29
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000139019**

API #:	0403700421	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by The Geotest Co.
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C30
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138744**

API #:	0403726767	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Robst
Operator ID:	09640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A31
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138044**

API #:	0403725441	Well #:	116
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	116	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D32
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138041**

API #:	0403725446	Well #:	113
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	113	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D33
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138812**

API #:	0403719156	Well #:	110
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	110	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A34
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138013**

API #:	0403725451	Well #:	106
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	106	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A35
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138804**

API #:	0403700424	Well #:	10
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by The Geotest Co.
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A36
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138012**

API #:	0403725452	Well #:	105
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Unspecified 105	Lease Name:	Unspecified
Operator ID:	11372	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D37
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138016**

API #:	0403725456	Well #:	109
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	109	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A38
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138007**

API #:	0403725449	Well #:	100
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	100	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

B39
South
1/8 - 1/4 Mile

OIL_GAS **CAOG15000139052**

API #:	0403723921	Well #:	Unknown
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown	Lease Name:	Lease by Marland Co.
Operator ID:	05719	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C40
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138220**

API #:	0403725422	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Bayers & Roberts
Operator ID:	09530	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D41
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000139007**

API #:	0403700420	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by The Geotest Co.
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A42
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138043**

API #:	0403725444	Well #:	115
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Unspecified 115	Lease Name:	Unspecified
Operator ID:	11372	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D43
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138813**

API #:	0403719157	Well #:	111
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	111	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D44
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138814**

API #:	0403719158	Well #:	112
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	112	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D45
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138015**

API #:	0403725448	Well #:	108
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	108	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A46
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138008**

API #:	0403725455	Well #:	101
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	101	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D47
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138014**

API #:	0403725450	Well #:	107
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	107	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

A48
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138010**

API #:	0403725454	Well #:	103
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	103	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

D49
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138042**

API #:	0403725445	Well #:	114
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	114	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D50
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138011**

API #:	0403725453	Well #:	104
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	104	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D51
ESE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000137969**

API #:	0403726145	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1		
Lease Name:	Lease by Ventura Consolidated Oil Co.		
Operator ID:	08753	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E52
SE
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138009**

API #:	0403725457	Well #:	102
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	102	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C53
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138745**

API #:	0403719075	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by G. N. Bray
Operator ID:	03217	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F54
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138023**

API #:	0403725993	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C55
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138520**

API #:	0403725624	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by E. Huntley
Operator ID:	09561	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C56
SSW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138773**

API #:	0403723895	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Richard E. Viertel
Operator ID:	07275	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

F57
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138665**

API #:	0403726001	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C58
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000137946**

API #:	0403725421	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Bayers & Roberts
Operator ID:	09530	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F59
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138625**

API #:	0403726003	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

C60
SW
1/8 - 1/4 Mile

OIL_GAS **CAOG15000138219**

API #:	0403725621	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by E. Huntley
Operator ID:	09561	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

C61
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138594**

API #:	0403725622	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by E. Huntley
Operator ID:	09561	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E62
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137947**

API #:	0403726150	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by W. S. Morgan
Operator ID:	09661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F63
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138576**

API #:	0403726017	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D64
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138382**

API #:	0403725710	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Humphrey Oil Co.
Operator ID:	09585	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

F65
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138002**

API #:	0403725999	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F66
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138756**

API #:	0403719041	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Miller 1	Lease Name:	Miller
Operator ID:	P2125	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G67
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138464**

API #:	0403725623	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by E. Huntley
Operator ID:	09561	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E68
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138239**

API #:	0403726151	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by W. S. Morgan
Operator ID:	09661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

F69
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138707**

API #:	0403726002	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D70
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138741**

API #:	0403700425	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Bernard 1	Lease Name:	Bernard
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D71
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138926**

API #:	0403700454	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Bernard 3	Lease Name:	Bernard
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D72
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138455**

API #:	0403725711	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Humphrey Oil Co.
Operator ID:	09585	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G73
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137875**

API #:	0403725619	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by E. Huntley
Operator ID:	09561	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E74
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138347**

API #:	0403726153	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by W. S. Morgan
Operator ID:	09661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D75
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138864**

API #:	0403700453	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Bernard 2	Lease Name:	Bernard
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

D76
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138962**

API #:	0403700455	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Bernard 4	Lease Name:	Bernard
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G77
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138350**

API #:	0403725620	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by E. Huntley
Operator ID:	09561	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E78
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137877**

API #:	0403725968	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H79
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138978**

API #:	0403719168	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Bernard 5	Lease Name:	Bernard
Operator ID:	08347	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G80
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138787**

API #:	0403719001	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by LA Land Co.
Operator ID:	L0050	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G81
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138886**

API #:	0403718975	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Beaudry Plaza Co 2	Lease Name:	Beaudry Plaza Co
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F82
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138626**

API #:	0403725531	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F83
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138709**

API #:	0403725530	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E84
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138178**

API #:	0403725970	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

F85
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138064**

API #:	0403725992	Well #:	12
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H86
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137873**

API #:	0403725536	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Chicago Ferndale Oil Co.
Operator ID:	01572	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G87
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138180**

API #:	0403725653	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by H. H. Harrison
Operator ID:	09581	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H88
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138132**

API #:	0403726142	Well #:	17
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	17		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

E89
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138103**

API #:	0403726139	Well #:	15
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	15		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F90
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138659**

API #:	0403725529	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G91
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139018**

API #:	0403726805	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H92
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138116**

API #:	0403726138	Well #:	16
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	16		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

F93
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138083**

API #:	0403725998	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G94
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138883**

API #:	0403723924	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Tierra Oil Co.
Operator ID:	08465	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G95
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137911**

API #:	0403725652	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by H. H. Harrison
Operator ID:	09581	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E96
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138439**

API #:	0403726154	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by W. S. Morgan
Operator ID:	09661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

I97
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138240**

API #:	0403725709	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Humphrey Oil Co.
Operator ID:	09585	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E98
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138353**

API #:	0403725969	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

E99
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138515**

API #:	0403726152	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by W. S. Morgan
Operator ID:	09661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F100
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138107**

API #:	0403725994	Well #:	15
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G101
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139047**

API #:	0403725022	Well #:	NO.1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	NO.1	Lease Name:	Lease by Young & Johnson
Operator ID:	09399	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G102
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138788**

API #:	0403725103	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Tierra Oil Co.
Operator ID:	08465	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

J103
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138091**

API #:	0403726140	Well #:	14
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	14		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K104
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138344**

API #:	0403725669	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G105
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138438**

API #:	0403725674	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I106
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138720**

API #:	0403725463	Well #:	92
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	92	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K107
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138329**

API #:	0403725670	Well #:	2A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2A	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I108
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138740**

API #:	0403719181	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Back 1	Lease Name:	Back
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

I109
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138052**

API #:	0403726137	Well #:	12
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	12		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I110
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139044**

API #:	0403719154	Well #:	91
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	91	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G111
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138758**

API #:	0403725048	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

F112
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138090**

API #:	0403725997	Well #:	14
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

113
ENE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000005797**

API #:	0403723575	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Stadium Way Core Hole 1	Lease Name:	Stadium Way Core Hole
Operator ID:	T4385	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I114
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137948**

API #:	0403725640	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by George Ford
Operator ID:	09573	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K115
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137976**

API #:	0403725963	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Ritzert 1	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I116
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138500**

API #:	0403726018	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K117
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138793**

API #:	0403723873	Well #:	1-1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	unspecified 1-1	Lease Name:	unspecified
Operator ID:	11173	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1903

H118
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137917**

API #:	0403725523	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G119
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138755**

API #:	0403725100	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by M. Frazier
Operator ID:	05542	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K120
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138148**

API #:	0403726014	Well #:	19
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	19	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G121
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138862**

API #:	0403725167	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Combine Oil Co.
Operator ID:	01773	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G122
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138796**

API #:	0403725021	Well #:	1-1997
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 1-1997	Lease Name:	Unknown
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K123
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138575**

API #:	0403725966	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Ritzert 6	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K124
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138142**

API #:	0403725594	Well #:	18
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	18	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G125
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138863**

API #:	0403725064	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I126
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138782**

API #:	0403719184	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Front 1	Lease Name:	Front
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I127
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139045**

API #:	0403719155	Well #:	95
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	95	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K128
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138147**

API #:	0403725593	Well #:	19
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	19	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

H129
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138440**

API #:	0403725532	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

G130
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138861**

API #:	0403725043	Well #:	1B
Well Status:	Plugged	Well Type:	Multi-Purpose
Well Design:	LAUSD 1B	Lease Name:	LAUSD
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

I131
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138721**

API #:	0403725458	Well #:	93
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	93	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I132
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138722**

API #:	0403725465	Well #:	94
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	94	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

G133
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138930**

API #:	0403725099	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K134
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138844**

API #:	0403725586	Well #:	17
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	17		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I135
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138177**

API #:	0403725641	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by George Ford
Operator ID:	09573	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I136
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138084**

API #:	0403726141	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K137
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138171**

API #:	0403725965	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Ritzert 2	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K138
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138785**

API #:	0403725654	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K139
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138798**

API #:	0403730474	Well #:	1-2016
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 1-2016	Lease Name:	Unknown
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

J140
SE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137968**

API #:	0403725599	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Doran Oil Co.
Operator ID:	09554	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

H141
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139038**

API #:	0403719153	Well #:	85
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	85	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K142
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138270**

API #:	0403726007	Well #:	22
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	22	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H143
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137918**

API #:	0403725583	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Dogget & Fletcher
Operator ID:	09550	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K144
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138833**

API #:	0403725589	Well #:	14
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	14		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K145
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138837**

API #:	0403725591	Well #:	15
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	15		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H146
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137919**

API #:	0403725708	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Humphrey Oil Co.
Operator ID:	09585	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L147
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138248**

API #:	0403726008	Well #:	20
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	20	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K148
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138115**

API #:	0403725588	Well #:	16
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	16	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L149
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138136**

API #:	0403726000	Well #:	18
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	18	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K150
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138859**

API #:	0403719042	Well #:	1A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1A		
Lease Name:	Lease by Los Angeles Unified School District		
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K151
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138036**

API #:	0403725522	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K152
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138757**

API #:	0403725063	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Combine Oil Co.
Operator ID:	01773	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K153
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138893**

API #:	0403730475	Well #:	2-2016
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 2-2016	Lease Name:	Unknown
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

H154
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138483**

API #:	0403730479	Well #:	47
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	47	Lease Name:	Lease by Pennsylvania Oil Co.
Operator ID:	P2320	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K155
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138921**

API #:	0403723868	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ritzert 3	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K156
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138824**

API #:	0403725590	Well #:	13
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	13		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

H157
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138486**

API #:	0403730480	Well #:	48
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	48	Lease Name:	Lease by Pennsylvania Oil Co.
Operator ID:	P2320	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I158
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138684**

API #:	0403725475	Well #:	86
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	86	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I159
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138686**

API #:	0403725473	Well #:	88
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	88	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I160
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138723**

API #:	0403725462	Well #:	96
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	96	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

I161
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138726**

API #:	0403725459	Well #:	99
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	99	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I162
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138683**

API #:	0403725476	Well #:	84
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	84	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L163
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137998**

API #:	0403725524	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K164
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138076**

API #:	0403725520	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M165
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138580**

API #:	0403725429	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M166
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138531**

API #:	0403725428	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L167
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138259**

API #:	0403726010	Well #:	21
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	21	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M168
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138488**

API #:	0403730481	Well #:	49
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	49	Lease Name:	Lease by Pennsylvania Oil Co.
Operator ID:	P2320	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

K169
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138820**

API #:	0403725587	Well #:	12
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	12		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K170
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138800**

API #:	0403719043	Well #:	1-B
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1-B		
Lease Name:	Lease by Cal Continental Capital, Inc.		
Operator ID:	C1245	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M171
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138397**

API #:	0403730482	Well #:	31
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	31	Lease Name:	Lease by Daggett & Fletcher
Operator ID:	D0290	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L172
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138054**

API #:	0403725521	Well #:	12
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L173
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138291**

API #:	0403726005	Well #:	24
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	24	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M174
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138783**

API #:	0403723862	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 1	Lease Name:	Unknown
Operator ID:	04859	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N175
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138346**

API #:	0403725856	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by L. A. R. R. Co.
Operator ID:	05053	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K176
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139021**

API #:	0403725766	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M177
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138645**

API #:	0403725426	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K178
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139039**

API #:	0403725760	Well #:	8A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	8A		
Lease Name:	Lease by Lion Boylston, LLC-a Delaware LLC		
Operator ID:	L2030	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M179
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139036**

API #:	0403719151	Well #:	81
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	81	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L180
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138320**

API #:	0403726012	Well #:	28
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	28	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M181
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138156**

API #:	0403725409	Well #:	1A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1A	Lease Name:	Lease by A. D. Reese
Operator ID:	09527	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I182
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138687**

API #:	0403725472	Well #:	89
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	89	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M183
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138865**

API #:	0403723863	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 2	Lease Name:	Unknown
Operator ID:	04859	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M184
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138393**

API #:	0403730486	Well #:	30
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	30	Lease Name:	Lease by A. D. Reese
Operator ID:	09527	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L185
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138309**

API #:	0403726011	Well #:	26
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	26	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K186
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138029**

API #:	0403725756	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I187
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138719**

API #:	0403725470	Well #:	90
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	90	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

I188
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138724**

API #:	0403725461	Well #:	97
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	97	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

I189
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138725**

API #:	0403725460	Well #:	98
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	98	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M190
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138685**

API #:	0403725474	Well #:	87
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	87	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L191
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138283**

API #:	0403726006	Well #:	23
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	23	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K192
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138030**

API #:	0403725661	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L193
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138910**

API #:	0403725169	Well #:	27
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	27	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K194
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138596**

API #:	0403725765	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

K195
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138771**

API #:	0403718960	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Patel 1	Lease Name:	Patel
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L196
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137987**

API #:	0403725757	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O197
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138681**

API #:	0403725471	Well #:	80
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	80	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O198
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138682**

API #:	0403725466	Well #:	83
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	83	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M199
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138648**

API #:	0403725467	Well #:	79
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	79	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P200
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138017**

API #:	0403725758	Well #:	10A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10A	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

M201
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138441**

API #:	0403725431	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L202
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138296**

API #:	0403726004	Well #:	25
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	25	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N203
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138892**

API #:	0403725049	Well #:	2-1997
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 2-1997	Lease Name:	Unknown
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M204
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138327**

API #:	0403730483	Well #:	29
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	29	Lease Name:	Lease by Consolidated Crude Oil Co.
Operator ID:	C7496	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M205
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137950**

API #:	0403725515	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Richards 1	Lease Name:	Richards
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M206
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138784**

API #:	0403716589	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Figueroa Community 1	Lease Name:	Figueroa Community
Operator ID:	08760	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M207
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138316**

API #:	0403730488	Well #:	27
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	27	Lease Name:	Lease by Consolidated Crude Oil Co.
Operator ID:	C7496	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N208
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138733**

API #:	0403718974	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Beaudry Plaza Co 1	Lease Name:	Beaudry Plaza Co
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

P209
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138805**

API #:	0403725662	Well #:	10
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M210
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139030**

API #:	0403719150	Well #:	76
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	76	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L211
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138712**

API #:	0403725761	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N212
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138437**

API #:	0403725768	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

L213
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138186**

API #:	0403725922	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L214
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138670**

API #:	0403725759	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P215
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138727**

API #:	0403725762	Well #:	9A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9A	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L216
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138777**

API #:	0403719167	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Browning 1	Lease Name:	Browning
Operator ID:	01369	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

N217
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138731**

API #:	0403718961	Well #:	2
Well Status:	Active	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Temple Resources, LLC
Operator ID:	11753	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N218
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138230**

API #:	0403725857	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by L. A. R. R. Co.
Operator ID:	05053	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N219
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138366**

API #:	0403725763	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M220
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139029**

API #:	0403719149	Well #:	74
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	74	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M221
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139046**

API #:	0403716586	Well #:	FOUR
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Core Hole FOUR	Lease Name:	Core Hole
Operator ID:	C5640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O222
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138647**

API #:	0403725468	Well #:	75
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	75	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P223
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137868**

API #:	0403725755	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M224
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138304**

API #:	0403730487	Well #:	26
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	26	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M225
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139048**

API #:	0403716583	Well #:	ONE
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Core Hole ONE	Lease Name:	Core Hole
Operator ID:	C5640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P226
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138711**

API #:	0403725668	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L227
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138384**

API #:	0403725921	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M228
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139050**

API #:	0403716585	Well #:	THREE
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Core Hole THREE	Lease Name:	Core Hole
Operator ID:	C5640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

P229
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138644**

API #:	0403725672	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N230
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138218**

API #:	0403725764	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L231
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137934**

API #:	0403725917	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N232
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138519**

API #:	0403725767	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O233
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138646**

API #:	0403725469	Well #:	71
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	71	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O234
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138609**

API #:	0403725482	Well #:	66
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	66	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L235
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138436**

API #:	0403725924	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L236
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138732**

API #:	0403705695	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Linda 1	Lease Name:	Linda
Operator ID:	G0540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M237
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138608**

API #:	0403725481	Well #:	65
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	65	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P238
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138660**

API #:	0403725667	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M239
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139028**

API #:	0403719148	Well #:	73
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	73	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L240
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138498**

API #:	0403725925	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O241
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137971**

API #:	0403725627	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 1	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M242
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138742**

API #:	0403716587	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	L. A. Brick 1	Lease Name:	L. A. Brick
Operator ID:	08760	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N243
SSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137977**

API #:	0403725855	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by L. A. R. R. Co.
Operator ID:	05053	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

L244
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138231**

API #:	0403725638	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Frank Davis
Operator ID:	09568	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

P245
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138559**

API #:	0403725671	Well #:	5A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5A	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

N246
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138129**

API #:	0403725995	Well #:	17
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	17	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M247
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139026**

API #:	0403719146	Well #:	70
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	70	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M248
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139051**

API #:	0403716584	Well #:	TWO
Well Status:	Plugged	Well Type:	Core Hole
Well Design:	Core Hole TWO	Lease Name:	Core Hole
Operator ID:	C5640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Q249
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138577**

API #:	0403725923	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M250
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138238**

API #:	0403725936	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Murrietta
Operator ID:	09621	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O251
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138925**

API #:	0403719190	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Regal 3	Lease Name:	Regal
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M252
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139027**

API #:	0403719147	Well #:	72
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	72	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O253
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138237**

API #:	0403725631	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Regal 2	Lease Name:	Regal
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P254
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138121**

API #:	0403725996	Well #:	16
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	16	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M255
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137874**

API #:	0403725935	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Murrietta
Operator ID:	09621	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P256
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138578**

API #:	0403725673	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

M257
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138354**

API #:	0403725937	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Murrietta
Operator ID:	09621	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O258
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138579**

API #:	0403725634	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 6	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O259
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138454**

API #:	0403725636	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 4	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M260
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139013**

API #:	0403719145	Well #:	69
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	69	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

P261
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137979**

API #:	0403725637	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Frank Davis
Operator ID:	09568	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M262
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139011**

API #:	0403719143	Well #:	67
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	67	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P263
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138931**

API #:	0403719030	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3		
Lease Name:	Lease by Manley Energy Resources LLC		
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

M264
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138271**

API #:	0403730484	Well #:	22
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	22	Lease Name:	Lease by Consolidated Crude Oil Co.
Operator ID:	C7496	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R265
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138235**

API #:	0403725632	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 2	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q266
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139014**

API #:	0403723897	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Little Napoleon 7	Lease Name:	Little Napoleon
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O267
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138514**

API #:	0403725633	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 5	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P268
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138763**

API #:	0403723881	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by E. M. Spaulding
Operator ID:	02448	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

O269
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138624**

API #:	0403725630	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 7	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q270
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138317**

API #:	0403726009	Well #:	27A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	27A	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R271
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139012**

API #:	0403719144	Well #:	68
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	68	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R272
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138794**

API #:	0403719192	Well #:	1-1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1-1	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Q273
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138322**

API #:	0403726013	Well #:	28A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	28A	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

O274
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138664**

API #:	0403725628	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 8	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S275
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137912**

API #:	0403726056	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Rommell Oil Co.
Operator ID:	09641	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R276
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138381**

API #:	0403725635	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 3	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R277
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138154**

API #:	0403730485	Well #:	19
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	19	Lease Name:	Lease by Consolidated Crude Oil Co.
Operator ID:	C7496	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R278
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138257**

API #:	0403730490	Well #:	21
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	21	Lease Name:	Lease by Tyler Oil Co.
Operator ID:	09651	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P279
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138666**

API #:	0403725964	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Ritzert 8	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R280
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138517**

API #:	0403725625	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R281
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138830**

API #:	0403719201	Well #:	14
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q282
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138671**

API #:	0403725872	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Little Napoleon Oil Co.
Operator ID:	09608	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P283
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137933**

API #:	0403725650	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by H. B. Carter
Operator ID:	09580	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R284
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137949**

API #:	0403725626	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Regal 1	Lease Name:	Regal
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R285
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138143**

API #:	0403730489	Well #:	18
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	18	Lease Name:	Lease by Tyler Oil Co.
Operator ID:	09651	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P286
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138634**

API #:	0403725967	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Ritzert 7	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

P287
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138760**

API #:	0403719020	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Court Hill LA LP
Operator ID:	C8564	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1920

R288
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138743**

API #:	0403719014	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by 959 Stadium Way, LLC
Operator ID:	11373	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

S289
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138185**

API #:	0403726055	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Rommell Oil Co.
Operator ID:	09641	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R290
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138808**

API #:	0403719199	Well #:	11
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q291
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137870**

API #:	0403725733	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by J. Korber
Operator ID:	09590	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q292
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138906**

API #:	0403725057	Well #:	25
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	25		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R293
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138874**

API #:	0403719076	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R294
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138960**

API #:	0403719078	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q295
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138308**

API #:	0403726107	Well #:	26
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	26		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q296
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138706**

API #:	0403725873	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Little Napoleon Oil Co.
Operator ID:	09608	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

P297
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138963**

API #:	0403719011	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	McAlmond 4	Lease Name:	McAlmond
Operator ID:	C8564	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1920

Q298
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138914**

API #:	0403725065	Well #:	29
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	29		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R299
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138823**

API #:	0403719200	Well #:	13
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T300
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138466**

API #:	0403726084	Well #:	4-X1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4-X1	Lease Name:	Lease by 959 Stadium Way, LLC
Operator ID:	11373	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R301
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138922**

API #:	0403719077	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R302
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138999**

API #:	0403719198	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S303
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138187**

API #:	0403725651	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by H. B. Carter
Operator ID:	09580	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q304
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138762**

API #:	0403725066	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1		
Lease Name:	Lease by Ventura Consolidated Oil Co.		
Operator ID:	08753	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R305
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138096**

API #:	0403730499	Well #:	14
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R306
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138872**

API #:	0403719015	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by 959 Stadium Way, LLC
Operator ID:	11373	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q307
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137871**

API #:	0403725971	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Pacific Union Oil Co.
Operator ID:	09628	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R308
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139010**

API #:	0403719142	Well #:	64
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	64	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U309
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137978**

API #:	0403725578	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Crown Oil Company
Operator ID:	01920	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T310
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138383**

API #:	0403726083	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Tyler Oil Co.
Operator ID:	09651	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U311
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138875**

API #:	0403718966	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	McKeon 2	Lease Name:	McKeon
Operator ID:	05743	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q312
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138850**

API #:	0403725115	Well #:	18
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	18	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U313
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137980**

API #:	0403725724	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by John Alton
Operator ID:	09594	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S314
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137869**

API #:	0403726263	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Yankee Girl Oil Co.
Operator ID:	09668	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T315
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137920**

API #:	0403725425	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q316
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138737**

API #:	0403719027	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1		
Lease Name:	Lease by Courtland City Lights Assoc.		
Operator ID:	C8565	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

S317
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138917**

API #:	0403718967	Well #:	3
Well Status:	Plugged	Well Type:	Unknown
Well Design:	McKeon 3	Lease Name:	McKeon
Operator ID:	C8564	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1920

T318
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138977**

API #:	0403719018	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by 950 Stadium Way Buyer, LLC
Operator ID:	11533	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q319
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139035**

API #:	0403725111	Well #:	8
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Keating Est.
Operator ID:	04874	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R320
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138989**

API #:	0403719079	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

R321
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138708**

API #:	0403725629	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mc Cue 9	Lease Name:	Mc Cue
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q322
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138841**

API #:	0403725113	Well #:	16
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	16	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R323
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139000**

API #:	0403719080	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by 959 Stadium Way, LLC
Operator ID:	11373	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q324
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138734**

API #:	0403725721	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U325
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138184**

API #:	0403725726	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by John Alton
Operator ID:	09594	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q326
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138846**

API #:	0403725114	Well #:	17
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	17	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S327
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138216**

API #:	0403726262	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Yankee Girl Oil Co.
Operator ID:	09668	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S328
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138884**

API #:	0403719021	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Court Hill LA LP
Operator ID:	C8564	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1920

Map ID
Direction
Distance

Database EDR ID Number

Q329
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137932**

API #:	0403726078	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Southwestern Oil Co.
Operator ID:	09644	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q330
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138311**

API #:	0403726108	Well #:	27
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	27		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S331
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137872**

API #:	0403725745	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Keating Est.
Operator ID:	04874	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q332
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139020**

API #:	0403725110	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Keating Est.
Operator ID:	04874	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U333
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138453**

API #:	0403725727	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by John Alton
Operator ID:	09594	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R334
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138934**

API #:	0403719016	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by 959 Stadium Way, LLC
Operator ID:	11373	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U335
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138172**

API #:	0403725579	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Crown Oil Company
Operator ID:	01920	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q336
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000139006**

API #:	0403725109	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Keating Est.
Operator ID:	04874	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U337
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138385**

API #:	0403725725	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by John Alton
Operator ID:	09594	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T338
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138860**

API #:	0403725402	Well #:	1A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1A		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R339
ESE
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138873**

API #:	0403719013	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Carl B. Breig
Operator ID:	01369	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U340
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138157**

API #:	0403725908	Well #:	1A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1A	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

S341
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138567**

API #:	0403725874	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Little Napoleon Oil Co.
Operator ID:	09608	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q342
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138866**

API #:	0403719028	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2		
Lease Name:	Lease by Courtland City Lights Assoc.		
Operator ID:	C8565	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S343
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138979**

API #:	0403723870	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ritzert 5	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Q344
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138896**

API #:	0403725117	Well #:	20
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	20	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

T345
East
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138887**

API #:	0403725404	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V346
WSW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138319**

API #:	0403726106	Well #:	28
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	28		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U347
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138951**

API #:	0403725910	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U348
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138343**

API #:	0403725746	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by 1301 Colton LLC
Operator ID:	11785	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

S349
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000138764**

API #:	0403718965	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	MOC 1	Lease Name:	MOC
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U350
SW
1/4 - 1/2 Mile

OIL_GAS **CAOG15000137913**

API #:	0403725706	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by 1301 Colton LLC
Operator ID:	11785	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T351
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138988**

API #:	0403725405	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T352
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138958**

API #:	0403719017	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by 959 Stadium Way, LLC
Operator ID:	11373	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U353
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138348**

API #:	0403725906	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

S354
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138215**

API #:	0403725747	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Keating Est.
Operator ID:	04874	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V355
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138836**

API #:	0403725112	Well #:	15
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U356
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138965**

API #:	0403719032	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unspecified 4	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

V357
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138778**

API #:	0403726246	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unspecified 1	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U358
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138761**

API #:	0403719007	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by 1301 Colton LLC
Operator ID:	11785	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

R359
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138355**

API #:	0403725430	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T360
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138919**

API #:	0403725407	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

V361
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138885**

API #:	0403718991	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ker Oil 2	Lease Name:	Ker Oil
Operator ID:	C8565	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T362
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139003**

API #:	0403719019	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by 950 Stadium Way Buyer, LLC
Operator ID:	11533	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T363
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138595**

API #:	0403730500	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Tyler Oil Co.
Operator ID:	09651	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U364
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138697**

API #:	0403725898	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U365
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138332**

API #:	0403725907	Well #:	2A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2A	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U366
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138964**

API #:	0403723869	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ritzert 4	Lease Name:	Ritzert
Operator ID:	06504	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V367
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138852**

API #:	0403725116	Well #:	19
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	19	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U368
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000139001**

API #:	0403719034	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unspecified 6	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1903

Map ID
Direction
Distance

Database EDR ID Number

U369
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138427**

API #:	0403725580	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Crown Oil Company
Operator ID:	01920	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T370
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139002**

API #:	0403725406	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T371
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138182**

API #:	0403725427	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by British Calif. Oil Co.
Operator ID:	00927	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U372
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138990**

API #:	0403719006	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by 1301 Colton LLC
Operator ID:	11785	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U373
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138877**

API #:	0403726244	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unspecified 2	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1956

U374
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138497**

API #:	0403725581	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Crown Oil Company
Operator ID:	01920	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V375
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138898**

API #:	0403725118	Well #:	21
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	21	Lease Name:	Lease by M. Manley
Operator ID:	05574	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U376
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138234**

API #:	0403725728	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Mrs. J. Alderson
Operator ID:	09619	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U377
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138857**

API #:	0403725731	Well #:	1A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unspecified 1A	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	12/26/2019

W378
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000139009**

API #:	0403719141	Well #:	63
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	63	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U379
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138657**

API #:	0403725903	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V380
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138923**

API #:	0403718990	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ker Oil 3	Lease Name:	Ker Oil
Operator ID:	C8565	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

T381
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138754**

API #:	0403726079	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Standard Crude Oil Co.
Operator ID:	09645	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U382
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138532**

API #:	0403725909	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Unspecified 5	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V383
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138642**

API #:	0403725918	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U384
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138340**

API #:	0403726245	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Whittier Grande Oil Co.
Operator ID:	09193	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U385
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000137982**

API #:	0403725592	Well #:	1-B
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1-B	Lease Name:	Lease by Dividend Oil Co.
Operator ID:	02166	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X386
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138984**

API #:	0403719033	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unspecified 5	Lease Name:	Unspecified
Operator ID:	10469	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T387
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139015**

API #:	0403725403	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

W388
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138236**

API #:	0403726082	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Tyler Oil Co.
Operator ID:	09651	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

W389
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138888**

API #:	0403723859	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 2	Lease Name:	Unknown
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

W390
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138772**

API #:	0403723858	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 1	Lease Name:	Unknown
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T391
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138792**

API #:	0403719169	Well #:	1
Well Status:	Plugged	Well Type:	Unknown
Well Design:	1	Lease Name:	Lease by 950 Stadium Way Buyer, LLC
Operator ID:	11533	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Well Summary	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	01/01/1915

U392
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138643**

API #:	0403725905	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

U393
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138040**

API #:	0403725911	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X394
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138057**

API #:	0403730503	Well #:	12
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

W395
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000137914**

API #:	0403726081	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Tyler Oil Co.
Operator ID:	09651	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X396
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138101**

API #:	0403725912	Well #:	15
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

T397
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138380**

API #:	0403726016	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U398
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138610**

API #:	0403725901	Well #:	6A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6A	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V399
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138200**

API #:	0403725059	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	unnamed 2	Lease Name:	unnamed
Operator ID:	11157	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U400
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000139024**

API #:	0403719035	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	MOC 7	Lease Name:	MOC
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

W401
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138753**

API #:	0403719022	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	A. F. Hodges 1	Lease Name:	A. F. Hodges
Operator ID:	F1050	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T402
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137880**

API #:	0403726080	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Mrs. Emma Summers
Operator ID:	09618	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T403
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139033**

API #:	0403719082	Well #:	8
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V404
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138735**

API #:	0403719064	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	unnamed 1	Lease Name:	unnamed
Operator ID:	11157	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

V405
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138367**

API #:	0403725986	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	unnamed 3	Lease Name:	unnamed
Operator ID:	11157	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U406
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138003**

API #:	0403730502	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X407
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138075**

API #:	0403725914	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y408
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138959**

API #:	0403725408	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

W409
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138961**

API #:	0403719025	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	A. F. Hodges 4	Lease Name:	A. F. Hodges
Operator ID:	P0005	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

W410
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000137953**

API #:	0403725887	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Eastern Area Drilled 1696 1		
Lease Name:	Eastern Area Drilled 1696	Operator ID:	09610
Field Name:	Los Angeles City	Area Name:	Any Area
Place:	Los Angeles	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

W411
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138221**

API #:	0403725888	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2		
Lease Name:	Lease by Maier & Zoblein Brewing Co.		
Operator ID:	09610	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

T412
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139016**

API #:	0403719081	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Y413
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138457**

API #:	0403726019	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

U414
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138233**

API #:	0403725434	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Burlington Oil Co.
Operator ID:	09535	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y415
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137881**

API #:	0403725566	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V416
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138918**

API #:	0403718982	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Burson 3	Lease Name:	Burson
Operator ID:	L1800	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Z417
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138183**

API #:	0403725977	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

W418
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138868**

API #:	0403719023	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	A. F. Hodges 2	Lease Name:	A. F. Hodges
Operator ID:	F1375	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X419
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138094**

API #:	0403725913	Well #:	14
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V420
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138423**

API #:	0403725989	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	unnamed 4	Lease Name:	unnamed
Operator ID:	11157	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

X421
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138176**

API #:	0403725987	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V422
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138328**

API #:	0403725729	Well #:	2A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2A	Lease Name:	Lease by Mrs. J. Alderson
Operator ID:	09619	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y423
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137879**

API #:	0403725991	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Z424
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138924**

API #:	0403719004	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3		
Lease Name:	Lease by Los Angeles Unified School District		
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AA425
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138752**

API #:	0403725401	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Zobelein 1	Lease Name:	Zobelein
Operator ID:	08040	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X426
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000137902**

API #:	0403725438	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Burlington Oil Co.
Operator ID:	09535	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Z427
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000137862**

API #:	0403725980	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X428
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138339**

API #:	0403725975	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Y429
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138181**

API #:	0403726015	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

W430
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138933**

API #:	0403719024	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	A. F. Hodges 3	Lease Name:	A. F. Hodges
Operator ID:	F1050	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V431
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138954**

API #:	0403718983	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Burson 4	Lease Name:	Burson
Operator ID:	L1800	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X432
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138736**

API #:	0403719002	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1		
Lease Name:	Lease by Los Angeles Unified School District		
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AA433
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138972**

API #:	0403719131	Well #:	46
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	46	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V434
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137900**

API #:	0403725730	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Mrs. J. Alderson
Operator ID:	09619	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA435
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138992**

API #:	0403719136	Well #:	51
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	51	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V436
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138632**

API #:	0403725985	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

X437
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137903**

API #:	0403725990	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y438
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138502**

API #:	0403725950	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Bill Nye Oil Co.
Operator ID:	09533	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y439
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138973**

API #:	0403719132	Well #:	47
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	47	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA440
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139043**

API #:	0403719083	Well #:	9
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Z441
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138950**

API #:	0403719005	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4		
Lease Name:	Lease by Los Angeles Unified School District		
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

V442
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138204**

API #:	0403726148	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by W. Dryden
Operator ID:	08859	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y443
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138558**

API #:	0403725479	Well #:	59
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	59	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X444
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138452**

API #:	0403725979	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA445
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138995**

API #:	0403719139	Well #:	54
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	54	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB446
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137972**

API #:	0403726149	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by W. Dryden
Operator ID:	08859	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB447
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138574**

API #:	0403725984	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA448
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138994**

API #:	0403719138	Well #:	53
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	53	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Z449
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138867**

API #:	0403719003	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2		
Lease Name:	Lease by Los Angeles Unified School District		
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y450
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138550**

API #:	0403725478	Well #:	57
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	57	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

451
SSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138786**

API #:	0403726708	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Allison & Barlow
Operator ID:	09528	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA452
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138746**

API #:	0403723883	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Lapp 1	Lease Name:	Lapp
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

X453
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138935**

API #:	0403719040	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	MOC 3	Lease Name:	MOC
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA454
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138971**

API #:	0403719130	Well #:	45
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	45	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA455
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138993**

API #:	0403719137	Well #:	52
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	52	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X456
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138499**

API #:	0403725988	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Parker Morrell Oil Co.
Operator ID:	09630	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Y457
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138996**

API #:	0403719140	Well #:	55
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	55	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA458
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138975**

API #:	0403719133	Well #:	48
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	48	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

X459
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138528**

API #:	0403725978	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA460
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138599**

API #:	0403725480	Well #:	60
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	60	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AA461
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138775**

API #:	0403719012	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Carl B. Breig
Operator ID:	01369	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y462
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138871**

API #:	0403723884	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Lapp 2	Lease Name:	Lapp
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB463
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138738**

API #:	0403716576	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	U-13 Community 1	Lease Name:	U-13 Community
Operator ID:	02393	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y464
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137915**

API #:	0403726054	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Rommell Oil Co.
Operator ID:	09641	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA465
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138870**

API #:	0403723872	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB466
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137863**

API #:	0403725577	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Continental Oil Company
Operator ID:	01828	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA467
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137878**

API #:	0403725741	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Joe Gellen
Operator ID:	09593	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA468
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138473**

API #:	0403725440	Well #:	43
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	43	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

Y469
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138555**

API #:	0403725477	Well #:	58
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	58	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Z470
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138597**

API #:	0403725976	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AA471
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138946**

API #:	0403719125	Well #:	38
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	38	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB472
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138695**

API #:	0403725973	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AB473
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137973**

API #:	0403725732	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by John Charters
Operator ID:	09596	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Y474
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138944**

API #:	0403719123	Well #:	35
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	35	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB475
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138696**

API #:	0403725561	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by Combined Oil & Land Co.
Operator ID:	09545	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AC476
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000138633**

API #:	0403725974	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

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Map ID
Direction
Distance

Database EDR ID Number

AA477
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138751**

API #:	0403723871	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB478
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137931**

API #:	0403725596	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Discovery Well Central Area 1 1		
Lease Name:	Discovery Well Central Area 1		
Operator ID:	09551	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD479
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138976**

API #:	0403719134	Well #:	49
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	49	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB480
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137992**

API #:	0403725563	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Combined Oil & Land Co.
Operator ID:	09545	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AA481
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138890**

API #:	0403719177	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Thomas F. Joyce
Operator ID:	08427	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD482
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138969**

API #:	0403719128	Well #:	41
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	41	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD483
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138943**

API #:	0403719121	Well #:	33
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	33	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD484
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138942**

API #:	0403719120	Well #:	32
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	32	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AD485
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137990**

API #:	0403725572	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD486
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138947**

API #:	0403719126	Well #:	39
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	39	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB487
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138680**

API #:	0403725562	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Combined Oil & Land Co.
Operator ID:	09545	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD488
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137954**

API #:	0403725646	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Geo. Geigrich
Operator ID:	09571	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AD489
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138968**

API #:	0403719127	Well #:	40
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	40	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB490
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137989**

API #:	0403725983	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AC491
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138658**

API #:	0403725972	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

492
ESE
1/2 - 1 Mile

OIL_GAS **CAOG15000138791**

API #:	0403719186	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Murrieta 1	Lease Name:	Murrieta
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AB493
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138451**

API #:	0403725487	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Chas. Elton
Operator ID:	09540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD494
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138981**

API #:	0403719180	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Joyce 5	Lease Name:	Joyce
Operator ID:	08427	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD495
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138970**

API #:	0403719129	Well #:	42
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	42	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB496
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138074**

API #:	0403725770	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AD497
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138957**

API #:	0403719179	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Joyce 4	Lease Name:	Joyce
Operator ID:	08427	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD498
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138920**

API #:	0403719178	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Thomas F. Joyce
Operator ID:	08427	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD499
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138774**

API #:	0403719176	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Thomas F. Joyce
Operator ID:	08427	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB500
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138004**

API #:	0403725877	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Little Napoleon Oil Co.
Operator ID:	09608	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AE501
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138028**

API #:	0403725981	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AB502
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138203**

API #:	0403725517	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by C. J. George
Operator ID:	09537	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD503
East
1/2 - 1 Mile

OIL_GAS **CAOG15000008255**

API #:	0403723866	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Lee Westlake
Operator ID:	05268	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD504
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138242**

API #:	0403725647	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Geo. Geigrich
Operator ID:	09571	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AF505
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138419**

API #:	0403725484	Well #:	3A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3A	Lease Name:	Lease by Chas. Elton
Operator ID:	09540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF506
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138039**

API #:	0403725876	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Little Napoleon Oil Co.
Operator ID:	09608	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AC507
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138053**

API #:	0403725982	Well #:	12
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by Park Crude Oil Co.
Operator ID:	09629	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD508
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138790**

API #:	0403719166	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Gas Well 1	Lease Name:	Gas Well
Operator ID:	08074	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AF509
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138370**

API #:	0403725516	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by C. J. George
Operator ID:	09537	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE510
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000139017**

API #:	0403718978	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by E. A. Clampitt Co
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE511
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138202**

API #:	0403725485	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Chas. Elton
Operator ID:	09540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE512
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138816**

API #:	0403725769	Well #:	12
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by PWC Family Housing, L.P.
Operator ID:	P0128	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AG513
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138501**

API #:	0403725949	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Bill Nye Oil Co.
Operator ID:	09533	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE514
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137974**

API #:	0403725518	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by C. J. George
Operator ID:	09537	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE515
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138983**

API #:	0403718994	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Louis 5	Lease Name:	Louis
Operator ID:	L0225	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE516
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138897**

API #:	0403718988	Well #:	21
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Hall 21	Lease Name:	Hall
Operator ID:	L0225	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF517
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138535**

API #:	0403725486	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Chas. Elton
Operator ID:	09540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD518
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138627**

API #:	0403725574	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD519
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139037**

API #:	0403719152	Well #:	82
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	82	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD520
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138940**

API #:	0403719183	Well #:	30
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Botiller 30	Lease Name:	Botiller
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AD521
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138869**

API #:	0403723867	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Lee Westlake
Operator ID:	05268	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD522
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138853**

API #:	0403719182	Well #:	19
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Botiller 19	Lease Name:	Botiller
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE523
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138797**

API #:	0403730174	Well #:	1-2013
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unknown 1-2013	Lease Name:	Unknown
Operator ID:	P0128	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD524
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138912**

API #:	0403719116	Well #:	28
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	28	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AE525
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137941**

API #:	0403725488	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Chas. Elton
Operator ID:	09540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE526
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138341**

API #:	0403725483	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Chas. Elton
Operator ID:	09540	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE527
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000139032**

API #:	0403716577	Well #:	8
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Metropolitan 8	Lease Name:	Metropolitan
Operator ID:	L0225	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE528
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138027**

API #:	0403725771	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Knight & Sons
Operator ID:	09602	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AF529
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138534**

API #:	0403725719	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

530
South
1/2 - 1 Mile

OIL_GAS **CAOG15000137966**

API #:	0403720785	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Civic Center 1	Lease Name:	Civic Center
Operator ID:	A2450	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AG531
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138945**

API #:	0403719124	Well #:	36
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	36	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG532
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138835**

API #:	0403719090	Well #:	15
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AE533
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138902**

API #:	0403727436	Well #:	22
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	22	Lease Name:	Lease by PWC Family Housing, L.P.
Operator ID:	P0128	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD534
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138909**

API #:	0403719115	Well #:	27
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	27	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE535
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138825**

API #:	0403718981	Well #:	13
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Burgess 13	Lease Name:	Burgess
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE536
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000139005**

API #:	0403718995	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Louis 6	Lease Name:	Louis
Operator ID:	L0225	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AE537
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138799**

API #:	0403719026	Well #:	1-A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1-A		
Lease Name:	Lease by CAI Rockwood, LP, a Limited Partnership		
Operator ID:	C0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE538
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138901**

API #:	0403718989	Well #:	22
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Hall 22	Lease Name:	Hall
Operator ID:	L0225	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE539
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137975**

API #:	0403725881	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Mrs. Manett
Operator ID:	09620	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF540
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138386**

API #:	0403725645	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Geo. Lawrence
Operator ID:	09572	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AD541
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138907**

API #:	0403719113	Well #:	25
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	25	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD542
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138913**

API #:	0403719117	Well #:	29
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	29	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD543
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138845**

API #:	0403719106	Well #:	17
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	17	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF544
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138828**

API #:	0403718993	Well #:	14
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Lawrence 14	Lease Name:	Lawrence
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AG545
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138939**

API #:	0403719118	Well #:	30
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	30	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE546
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138214**

API #:	0403725880	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Mrs. Manett
Operator ID:	09620	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE547
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138937**

API #:	0403719031	Well #:	3-A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3-A		
Lease Name:	Lease by CAI Rockwood, LP, a Limited Partnership		
Operator ID:	C0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE548
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137901**

API #:	0403725648	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Graham Sisters
Operator ID:	09578	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AG549
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137952**

API #:	0403725947	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Curtis 1	Lease Name:	Curtis
Operator ID:	06221	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH550
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138889**

API #:	0403719193	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG551
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138243**

API #:	0403725948	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Curtis 2	Lease Name:	Curtis
Operator ID:	06221	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AD552
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138462**

API #:	0403725616	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Botiller 4	Lease Name:	Botiller
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG553
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138941**

API #:	0403719119	Well #:	31
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	31	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE554
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138894**

API #:	0403719029	Well #:	2-A
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2-A		
Lease Name:	Lease by CAI Rockwood, LP, a Limited Partnership		
Operator ID:	C0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AE555
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138201**

API #:	0403725716	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH556
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137916**

API #:	0403725617	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Botiller 1	Lease Name:	Botiller
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AE557
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138630**

API #:	0403725433	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by Burlington Oil Co.
Operator ID:	09535	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG558
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138908**

API #:	0403719114	Well #:	26
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	26	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH559
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138776**

API #:	0403719191	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG560
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138516**

API #:	0403725569	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AE561
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138258**

API #:	0403726155	Well #:	21
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	21	Lease Name:	Lease by W. Saunders
Operator ID:	09662	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF562
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137866**

API #:	0403725649	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Green Mt. Oil Co.
Operator ID:	09579	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI563
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138582**

API #:	0403725432	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Burlington Oil Co.
Operator ID:	09535	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG564
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138463**

API #:	0403725570	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF565
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137944**

API #:	0403725744	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by K. W. Wing
Operator ID:	09599	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF566
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138401**

API #:	0403726132	Well #:	32A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	32A		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG567
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138821**

API #:	0403719159	Well #:	121
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	121	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG568
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138569**

API #:	0403725575	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AJ569
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137942**

API #:	0403726157	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by W. Saunders
Operator ID:	09662	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH570
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138927**

API #:	0403719194	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF571
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138815**

API #:	0403718996	Well #:	12
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	M.Z. 12	Lease Name:	M.Z.
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF572
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138806**

API #:	0403718992	Well #:	10
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Jones 10	Lease Name:	Jones
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG573
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138810**

API #:	0403719086	Well #:	11
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG574
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138356**

API #:	0403725573	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI575
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138847**

API #:	0403718997	Well #:	17
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Wincup 17	Lease Name:	Wincup
Operator ID:	A0045	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG576
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138899**

API #:	0403719109	Well #:	21
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	21	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AH577
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138807**

API #:	0403719100	Well #:	11
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AF578
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138938**

API #:	0403718999	Well #:	30
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Wing 30	Lease Name:	Wing
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH579
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138801**

API #:	0403719099	Well #:	10
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG580
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138903**

API #:	0403719111	Well #:	23
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	23	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AF581
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138809**

API #:	0403718984	Well #:	11
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Elton 11	Lease Name:	Elton
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH582
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139041**

API #:	0403719098	Well #:	9
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AJ583
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138688**

API #:	0403725904	Well #:	8A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	8A	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AG584
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138900**

API #:	0403719110	Well #:	22
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	22	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AG585
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138905**

API #:	0403719112	Well #:	24
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	24	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI586
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138583**

API #:	0403725899	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH587
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138803**

API #:	0403719085	Well #:	10
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI588
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138739**

API #:	0403722870	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Unit 1	Lease Name:	Unit
Operator ID:	A0045	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK589
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138839**

API #:	0403719104	Well #:	15
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI590
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138765**

API #:	0403723880	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Odell Fee 1	Lease Name:	Odell Fee
Operator ID:	A0045	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI591
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138878**

API #:	0403727076	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Green Mt. Oil Co.
Operator ID:	09579	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH592
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139034**

API #:	0403719097	Well #:	8
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	8	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AI593
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138980**

API #:	0403725435	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Burlington Oil Co.
Operator ID:	09535	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK594
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138855**

API #:	0403719108	Well #:	19
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	19	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI595
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138854**

API #:	0403718980	Well #:	19
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	19		
Lease Name:	Lease by 1552 Rockwood Street Charter Facilities, LLC		
Operator ID:	A0045	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH596
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138991**

API #:	0403719197	Well #:	5-1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5-1	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AH597
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138768**

API #:	0403723854	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Scott 1	Lease Name:	Scott
Operator ID:	08793	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI598
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138108**

API #:	0403725533	Well #:	15
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK599
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138843**

API #:	0403719105	Well #:	16
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	16	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH600
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138818**

API #:	0403719101	Well #:	12
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AI601
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138394**

API #:	0403725044	Well #:	30
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	30		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI602
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138212**

API #:	0403725423	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Big Five Oil Co.
Operator ID:	09532	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AJ603
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138613**

API #:	0403725713	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK604
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138827**

API #:	0403719103	Well #:	14
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AL605
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000139042**

API #:	0403718985	Well #:	9
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ferguson 9	Lease Name:	Ferguson
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI606
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138496**

API #:	0403725424	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Big Five Oil Co.
Operator ID:	09532	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK607
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138826**

API #:	0403719102	Well #:	13
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI608
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137897**

API #:	0403725748	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Gardner & Company
Operator ID:	09708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AI609
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138095**

API #:	0403725534	Well #:	14
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by Chas. V. Hall
Operator ID:	09541	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI610
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138849**

API #:	0403718998	Well #:	18
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Pacific Coast 18	Lease Name:	Pacific Coast
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK611
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138822**

API #:	0403719088	Well #:	13
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI612
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137943**

API #:	0403725740	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Dr. J. S. Moore
Operator ID:	09556	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK613
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138831**

API #:	0403719089	Well #:	14
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	14	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AH614
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138967**

API #:	0403719195	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by E. A. Doran Oil Co.
Operator ID:	02333	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL615
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138249**

API #:	0403726045	Well #:	20
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 20	Lease Name:	McAlmond
Operator ID:	M3100	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI616
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138840**

API #:	0403718987	Well #:	15
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Gardner 15	Lease Name:	Gardner
Operator ID:	A0045	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AL617
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138396**

API #:	0403726109	Well #:	31
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	31		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL618
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138817**

API #:	0403719039	Well #:	12
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	MOC 12	Lease Name:	MOC
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI619
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137945**

API #:	0403725598	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Doran & Brouse
Operator ID:	09553	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK620
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137891**

API #:	0403725945	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AK621
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138244**

API #:	0403725946	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI622
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138842**

API #:	0403718979	Well #:	16
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	16		
Lease Name:	Lease by 1552 Rockwood Street Charter Facilities, LLC		
Operator ID:	A0045	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Operator	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK623
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139025**

API #:	0403719096	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	7	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL624
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137898**

API #:	0403719008	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 1	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AI625
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138802**

API #:	0403719037	Well #:	10
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	MOC 10	Lease Name:	MOC
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI626
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138175**

API #:	0403725597	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Doran & Brouse
Operator ID:	09553	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AI627
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137867**

API #:	0403723899	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Hatch 1	Lease Name:	Hatch
Operator ID:	M1525	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK628
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138819**

API #:	0403719087	Well #:	12
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by Nate Bray (G. N.)
Operator ID:	06167	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM629
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138982**

API #:	0403719094	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL630
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138533**

API #:	0403722861	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 5	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AL631
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138368**

API #:	0403719010	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 3	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK632
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139004**

API #:	0403719095	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AI633
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138174**

API #:	0403725742	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Johnson Newman
Operator ID:	09598	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK634
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138710**

API #:	0403726136	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL635
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138612**

API #:	0403725902	Well #:	6B
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	6B	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AM636
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137882**

API #:	0403725568	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AL637
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138598**

API #:	0403723036	Well #:	6
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 6	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AL638
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138631**

API #:	0403723037	Well #:	7
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 7	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AL639
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138672**

API #:	0403723038	Well #:	8
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 8	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AL640
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138705**

API #:	0403723039	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 9	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AM641
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138205**

API #:	0403725464	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL642
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137988**

API #:	0403723040	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 10	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AL643
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138031**

API #:	0403723041	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 11	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	Y	Spud Date:	Not Reported

AN644
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138326**

API #:	0403726105	Well #:	29
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	29		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AK645
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138222**

API #:	0403725916	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Mericos Oil Co.
Operator ID:	09615	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL646
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138213**

API #:	0403719009	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	McAlmond 2	Lease Name:	McAlmond
Operator ID:	P4745	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN647
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138728**

API #:	0403725900	Well #:	9A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9A	Lease Name:	Lease by Manley Oil Co.
Operator ID:	M1500	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN648
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137899**

API #:	0403725743	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Johnson Newman
Operator ID:	09598	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

AL649
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138407**

API #:	0403726127	Well #:	35
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	35		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AM650
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138245**

API #:	0403725571	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN651
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138832**

API #:	0403725751	Well #:	14
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	14		
Lease Name:	Lease by Los Angeles Unified School District		
Operator ID:	L0060	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AM652
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138928**

API #:	0403719092	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AK653
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138891**

API #:	0403723882	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ed Wong 2	Lease Name:	Ed Wong
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AM654
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138747**

API #:	0403719091	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK655
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138929**

API #:	0403718977	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ed Wong 3	Lease Name:	Ed Wong
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AM656
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138953**

API #:	0403719093	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by C. C. Harris Oil Co.
Operator ID:	01061	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

657
East
1/2 - 1 Mile

OIL_GAS **CAOG15000139049**

API #:	0403716580	Well #:	T-2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	T-2	Lease Name:	Lease by Paul F. McKenzie
Operator ID:	06695	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN658
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138051**

API #:	0403725749	Well #:	12
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	12	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AL659
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138405**

API #:	0403726128	Well #:	34
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	34		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AK660
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138748**

API #:	0403718976	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Ed Wong 1	Lease Name:	Ed Wong
Operator ID:	M1400	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AN661
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138082**

API #:	0403726028	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by Parker Oil Col
Operator ID:	06661	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN662
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138071**

API #:	0403725752	Well #:	13
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	13	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN663
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138403**

API #:	0403726129	Well #:	33
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	33		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN664
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138024**

API #:	0403725750	Well #:	11
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	11	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AM665
East
1/2 - 1 Mile

OIL_GAS **CAOG15000137951**

API #:	0403725915	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Mericos Oil Co.
Operator ID:	09615	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AM666
East
1/2 - 1 Mile

OIL_GAS **CAOG15000138932**

API #:	0403723856	Well #:	3
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Breig 3	Lease Name:	Breig
Operator ID:	00560	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN667
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138232**

API #:	0403726047	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Richard Green
Operator ID:	09639	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN668
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138400**

API #:	0403726131	Well #:	32
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	32		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AN669
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137991**

API #:	0403725754	Well #:	10
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	10	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO670
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137908**

API #:	0403726048	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Richard Green
Operator ID:	09639	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN671
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137936**

API #:	0403725675	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN672
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138199**

API #:	0403726050	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by R. H. Alexander, Jr.
Operator ID:	07066	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AN673
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138349**

API #:	0403726046	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Richard Green
Operator ID:	09639	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN674
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137935**

API #:	0403725410	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Alexander 1	Lease Name:	Alexander
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AP675
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138713**

API #:	0403725712	Well #:	9
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	9	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

676
SW
1/2 - 1 Mile

OIL_GAS **CAOG15000008266**

API #:	0403720649	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	Bixel-Miramar C.H. 1	Lease Name:	Bixel-Miramar C.H.
Operator ID:	C5640	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AN677
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138369**

API #:	0403725663	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AN678
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138211**

API #:	0403725664	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by H. Rogalske
Operator ID:	03708	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AP679
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138102**

API #:	0403725753	Well #:	15
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	15	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO680
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138404**

API #:	0403726130	Well #:	33A
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	33A		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AO681
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138229**

API #:	0403725943	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Helen Sanborn
Operator ID:	09583	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO682
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137963**

API #:	0403700456	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mellema 1	Lease Name:	Mellema
Operator ID:	09258	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	Unknown	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO683
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137907**

API #:	0403726146	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	Mellena 1	Lease Name:	Mellena
Operator ID:	09657	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO684
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137865**

API #:	0403725944	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Helen Sanborn
Operator ID:	09583	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AO685
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138467**

API #:	0403726134	Well #:	40
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	40		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AP686
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138410**

API #:	0403726123	Well #:	36
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	36		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO687
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138413**

API #:	0403726133	Well #:	38
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	38		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AO688
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138416**

API #:	0403726124	Well #:	39
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	39		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AQ689
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138470**

API #:	0403726121	Well #:	41
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	41		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AP690
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138110**

API #:	0403725723	Well #:	16
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	16	Lease Name:	Lease by I. W. Shirley
Operator ID:	09586	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ691
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000139022**

API #:	0403700140	Well #:	7
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Book 7	Lease Name:	Book
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ692
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137964**

API #:	0403726049	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by R. Von Cleeve
Operator ID:	09636	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AQ693
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138210**

API #:	0403725417	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Alpha Oil Co.
Operator ID:	00253	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ694
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138412**

API #:	0403726126	Well #:	37
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	37		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ695
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137937**

API #:	0403726144	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Union Jack Oil Co.
Operator ID:	09654	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ696
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137864**

API #:	0403725962	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Off Crude Oil Co.
Operator ID:	09626	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AQ697
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138526**

API #:	0403725919	Well #:	5
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ698
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138379**

API #:	0403725489	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Calvin C. Green
Operator ID:	01307	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ699
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138767**

API #:	0403719170	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Calvin C. Green
Operator ID:	01307	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ700
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138882**

API #:	0403719171	Well #:	2
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Calvin C. Green
Operator ID:	01307	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AQ701
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138173**

API #:	0403725564	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Conoco Inc.
Operator ID:	C7800	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ702
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138904**

API #:	0403719000	Well #:	23
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	23	Lease Name:	Lease by E. A. Clampitt Co
Operator ID:	02331	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ703
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138228**

API #:	0403725961	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Off Crude Oil Co.
Operator ID:	09626	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR704
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137938**

API #:	0403725419	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Alpha Oil Co.
Operator ID:	00253	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AQ705
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138425**

API #:	0403725920	Well #:	4
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Midland Oil Co.
Operator ID:	09616	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ706
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138209**

API #:	0403726143	Well #:	2
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	2	Lease Name:	Lease by Union Jack Oil Co.
Operator ID:	09654	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ707
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138472**

API #:	0403726135	Well #:	42
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	42		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR708
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138779**

API #:	0403719038	Well #:	1
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	Marko 1	Lease Name:	Marko
Operator ID:	W0350	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	GPS	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AQ709
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137965**

API #:	0403726270	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Young & Shaw
Operator ID:	09669	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ710
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138388**

API #:	0403725960	Well #:	3
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	3	Lease Name:	Lease by Off Crude Oil Co.
Operator ID:	09626	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR711
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138986**

API #:	0403719173	Well #:	5
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	5	Lease Name:	Lease by Calvin C. Green
Operator ID:	01307	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AQ712
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138475**

API #:	0403726125	Well #:	43
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	43		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

Map ID
Direction
Distance

Database EDR ID Number

AR713
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138952**

API #:	0403719172	Well #:	4
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	4	Lease Name:	Lease by Calvin C. Green
Operator ID:	01307	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR714
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000139008**

API #:	0403719174	Well #:	6
Well Status:	Plugged	Well Type:	Oil & Gas
Well Design:	6	Lease Name:	Lease by Calvin C. Green
Operator ID:	01307	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR715
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137939**

API #:	0403725415	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Alliance Oil Co.
Operator ID:	00239	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR716
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000137906**

API #:	0403725576	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	1	Lease Name:	Lease by Consolidated Crude Corp.
Operator ID:	01816	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

717
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138479**

API #:	0403726113	Well #:	45
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	45		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

AR718
WSW
1/2 - 1 Mile

OIL_GAS **CAOG15000138476**

API #:	0403726114	Well #:	44
Well Status:	Idle	Well Type:	Oil & Gas
Well Design:	44		
Lease Name:	Lease by Union Consolidated Crude Oil Co.		
Operator ID:	08640	Field Name:	Los Angeles City
Area Name:	Any Area	Place:	Los Angeles
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90026	39	4

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D

HISTORICAL SOURCES

479224

1185-1245 W Sunset Boulevard

Los Angeles, CA 90026

Inquiry Number: 7344021.8

May 22, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

479224

1185-1245 W Sunset Boulevard

Los Angeles, CA 90026

Inquiry Number: 7344021.8

May 22, 2023

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

05/22/23

Site Name:

479224
1185-1245 W Sunset Boulevar
Los Angeles, CA 90026
EDR Inquiry # 7344021.8

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Johanan Supnet

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Acquisition Date: January 01, 1989	USGS/DOQQ
1981	1"=500'	Flight Date: February 17, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: February 05, 1979	EDR Proprietary Brewster Pacific
1977	1"=500'	Flight Date: April 25, 1977	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

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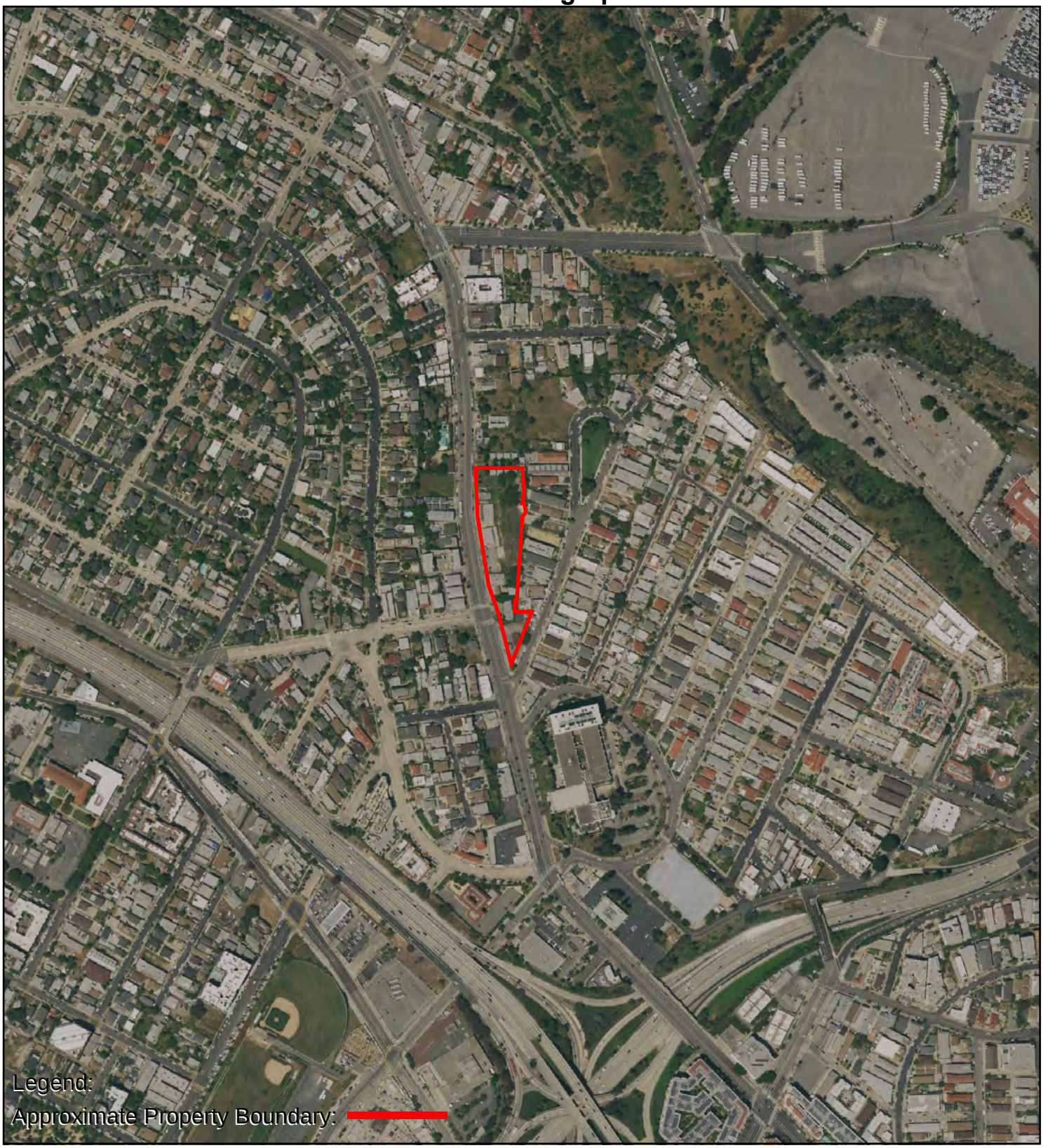

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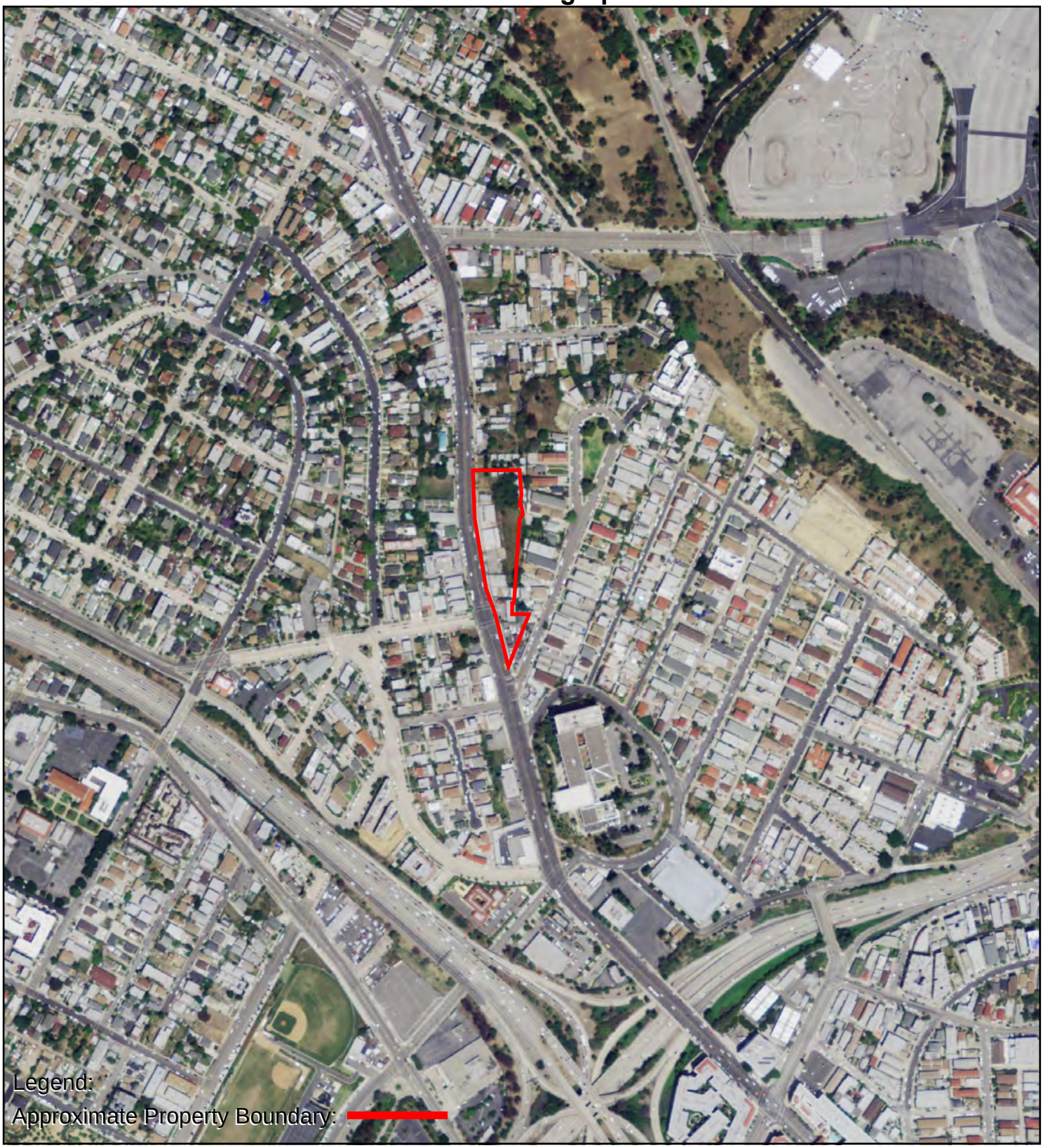
AERIAL PHOTOGRAPH - 2020

AEI



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AERIAL PHOTOGRAPH - 2012

AEI

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AERIAL PHOTOGRAPH - 2009

AEI

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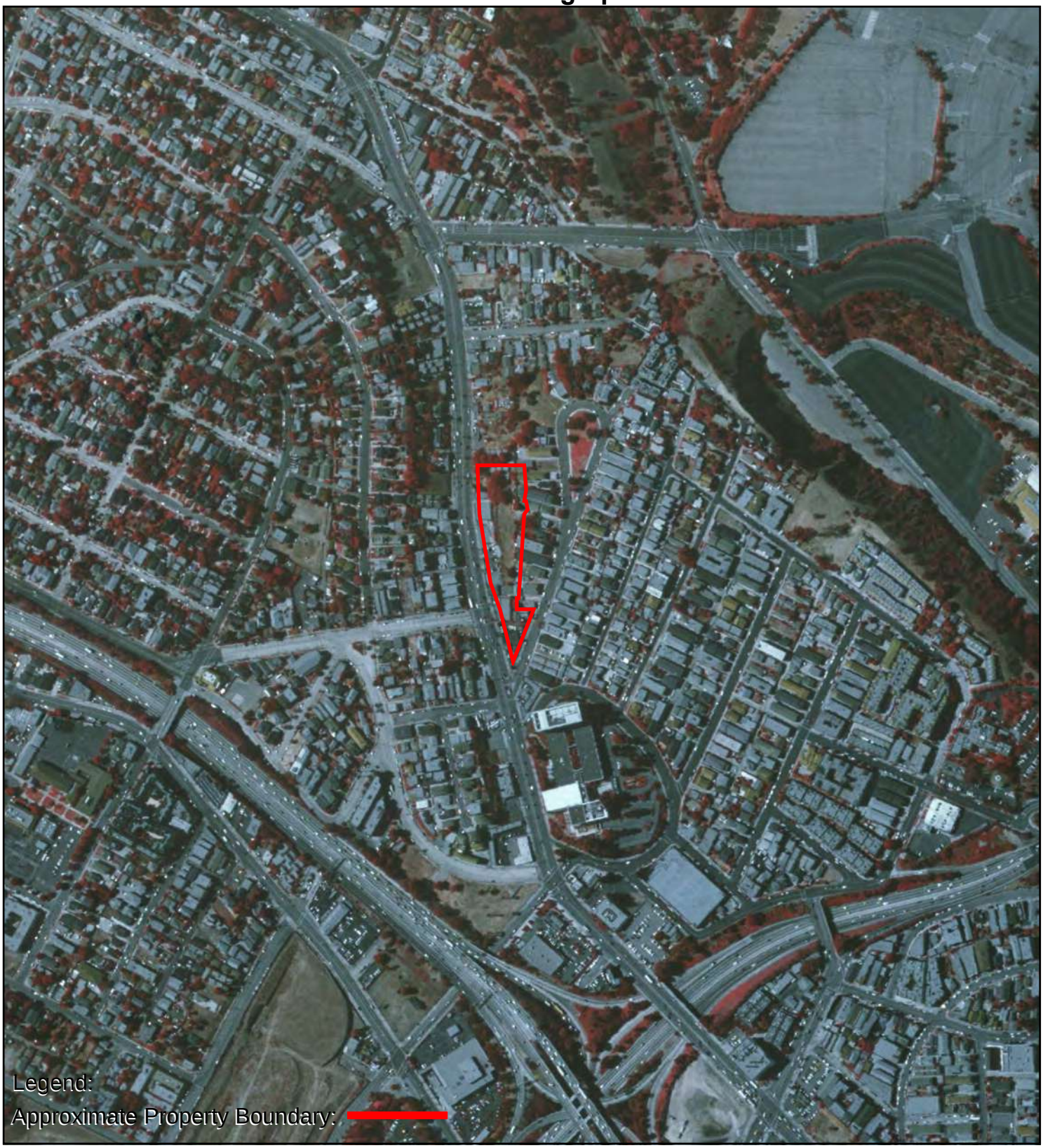
AERIAL PHOTOGRAPH - 2005

AEI



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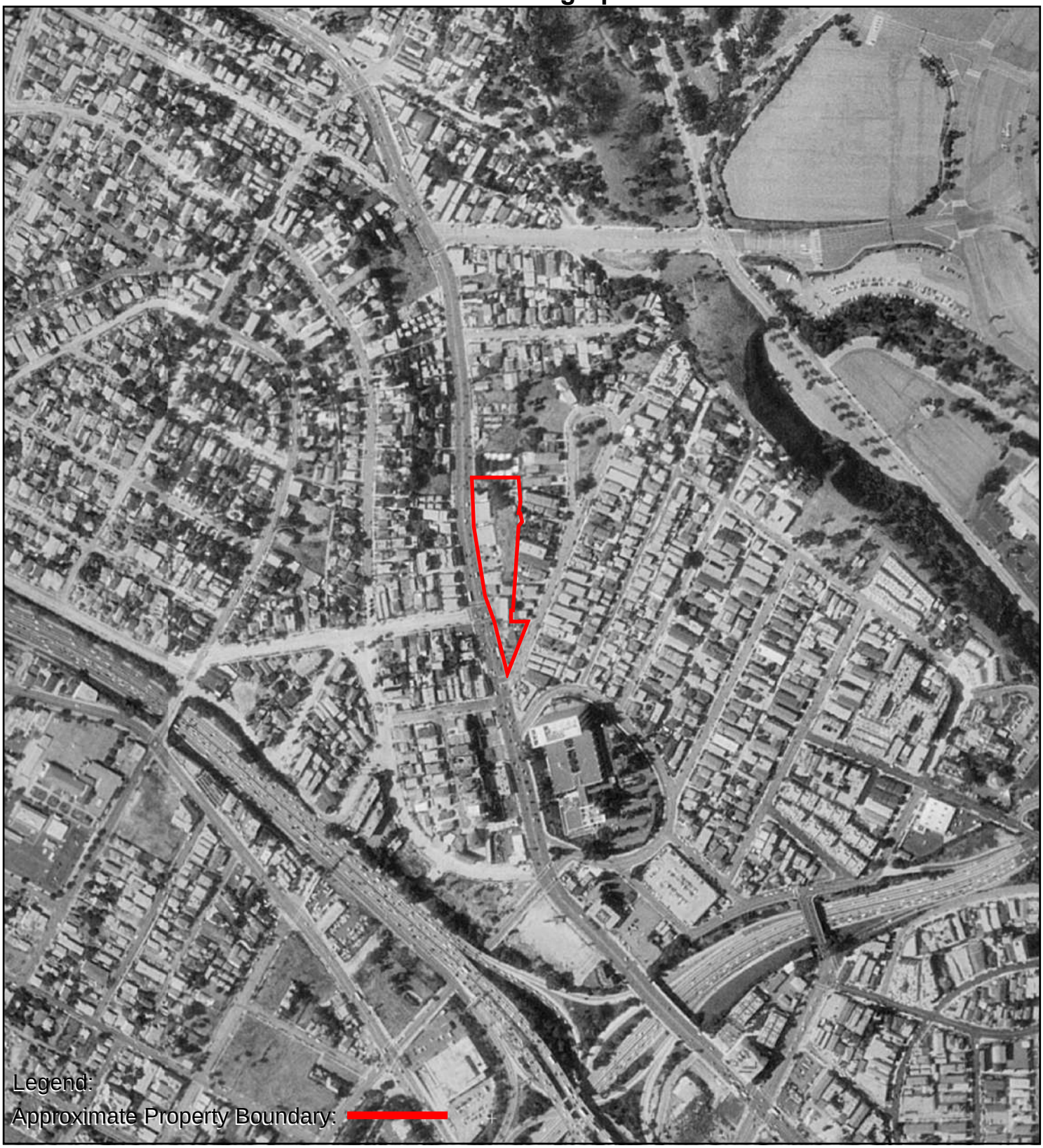
AERIAL PHOTOGRAPH - 2002

AEI



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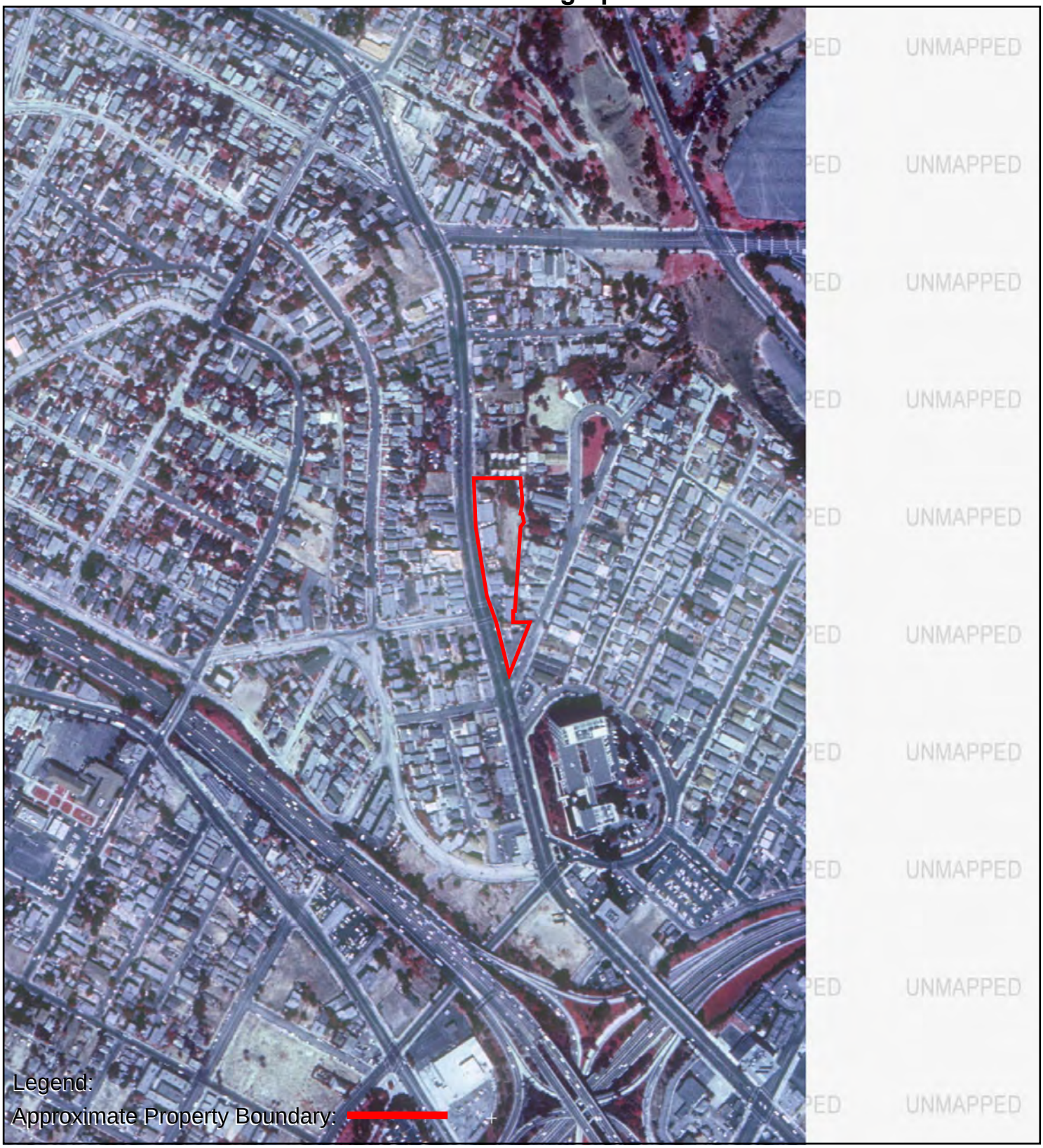
AERIAL PHOTOGRAPH - 1994

AEI



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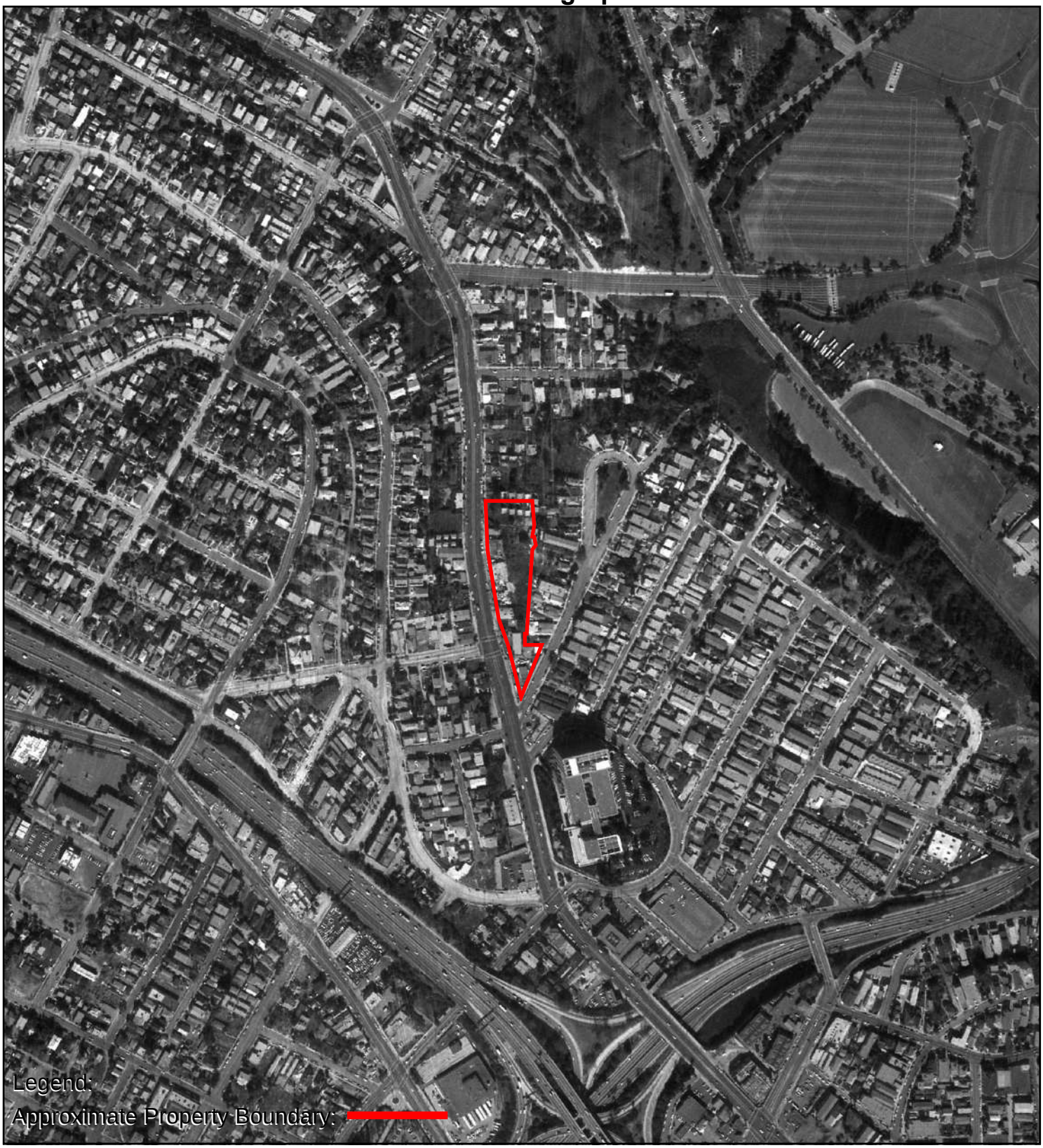

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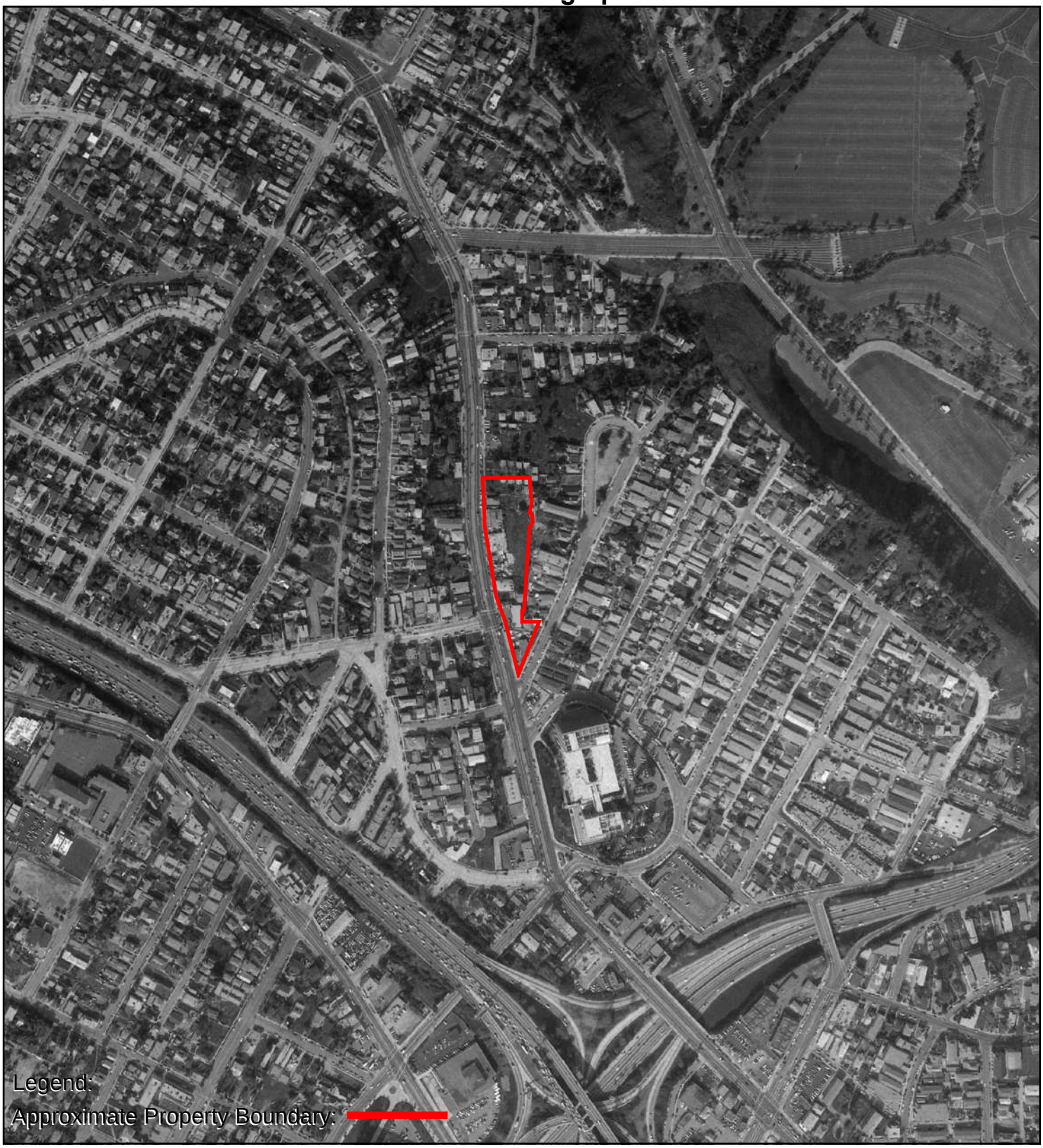

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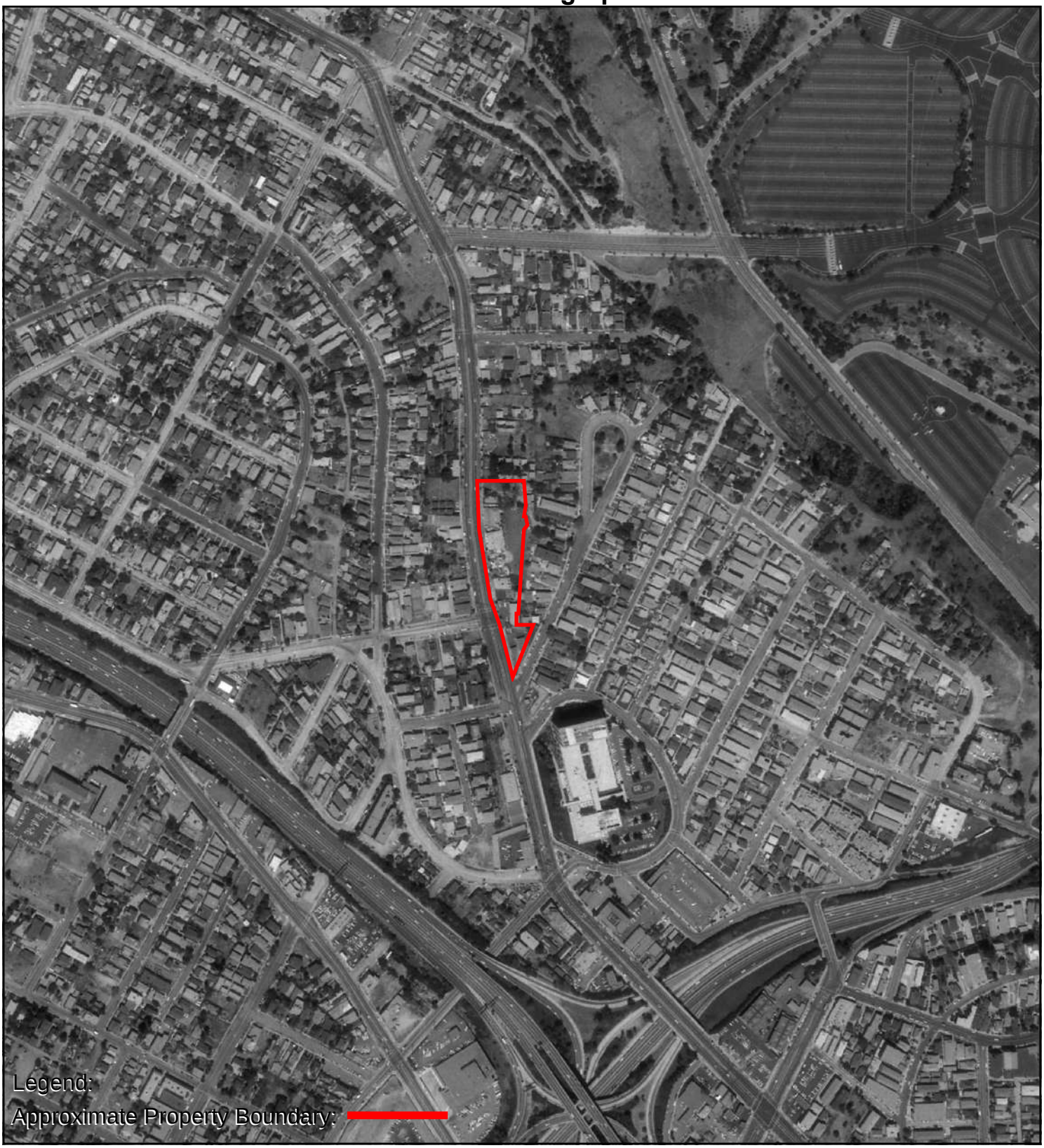

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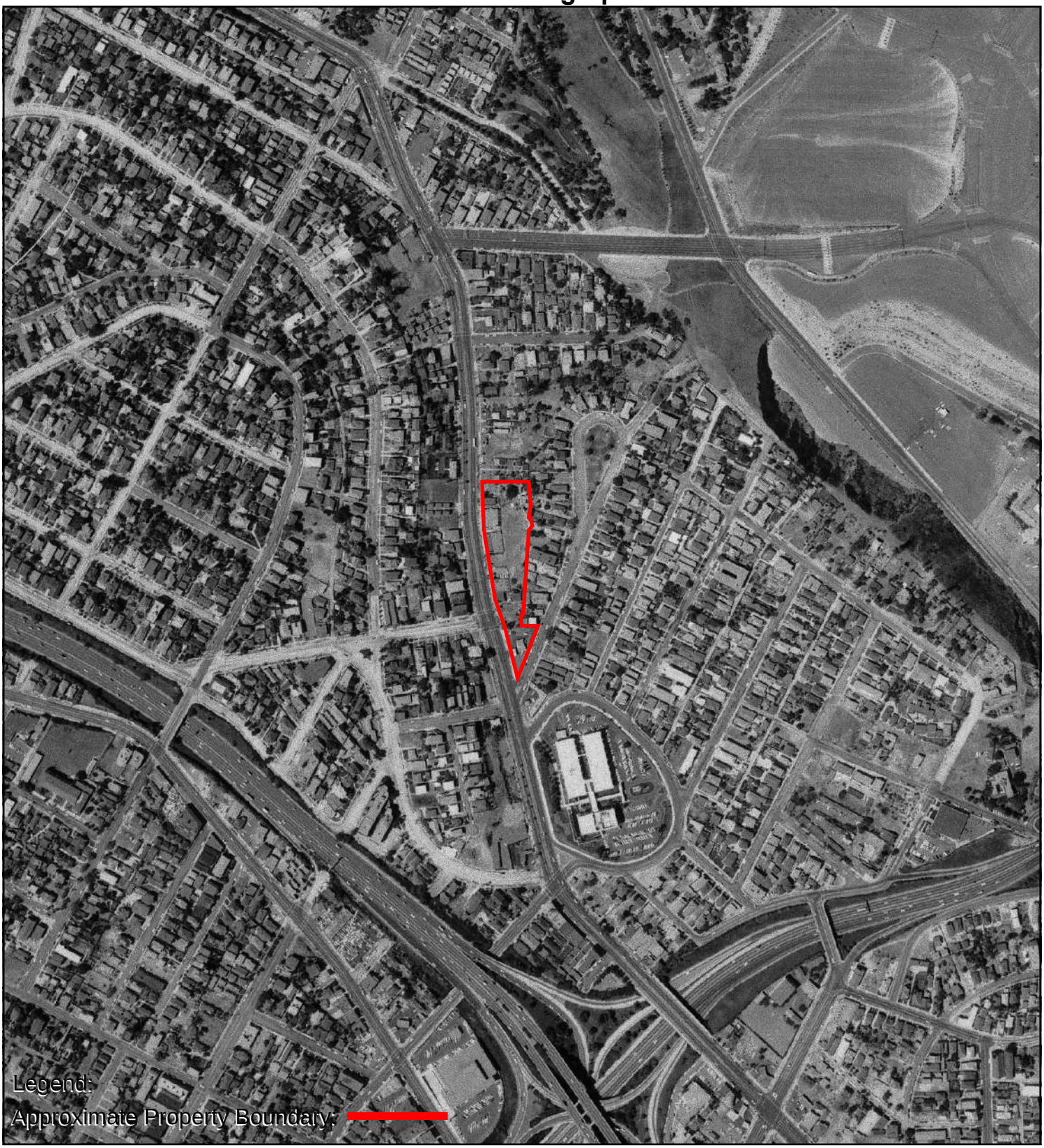

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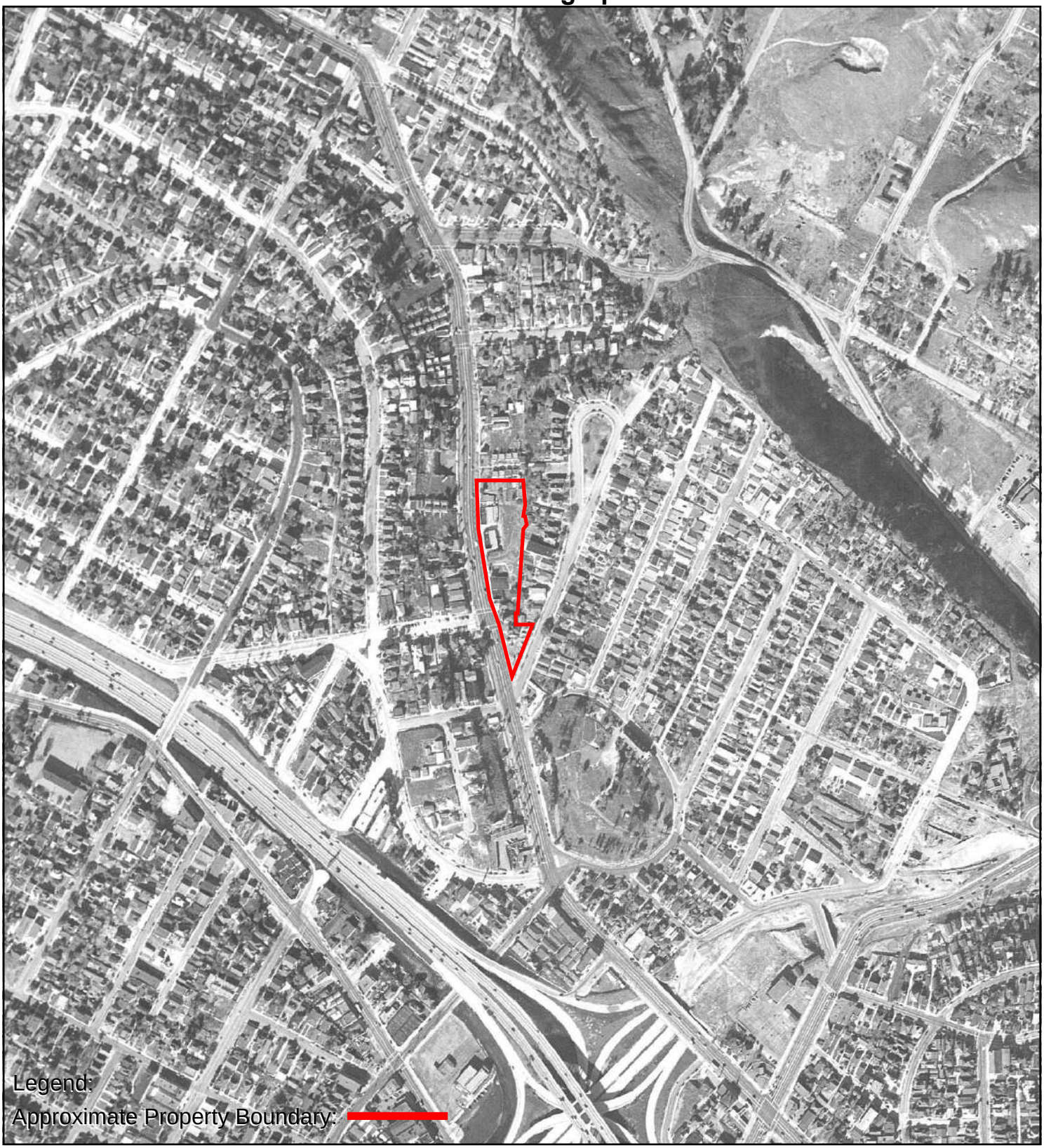

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AERIAL PHOTOGRAPH - 1952

AEI

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AERIAL PHOTOGRAPH - 1948

AEI

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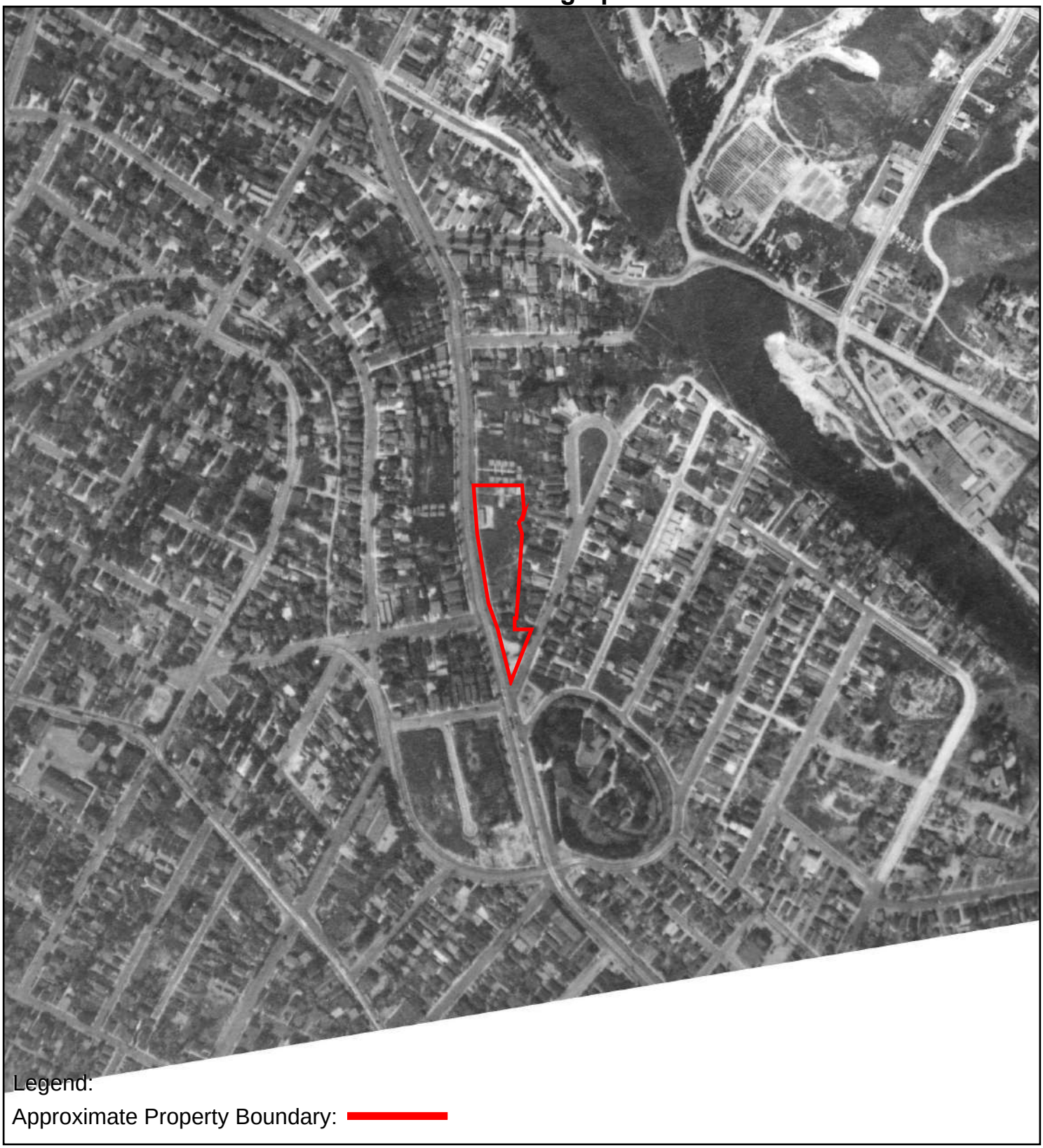
AERIAL PHOTOGRAPH - 1938

AEI



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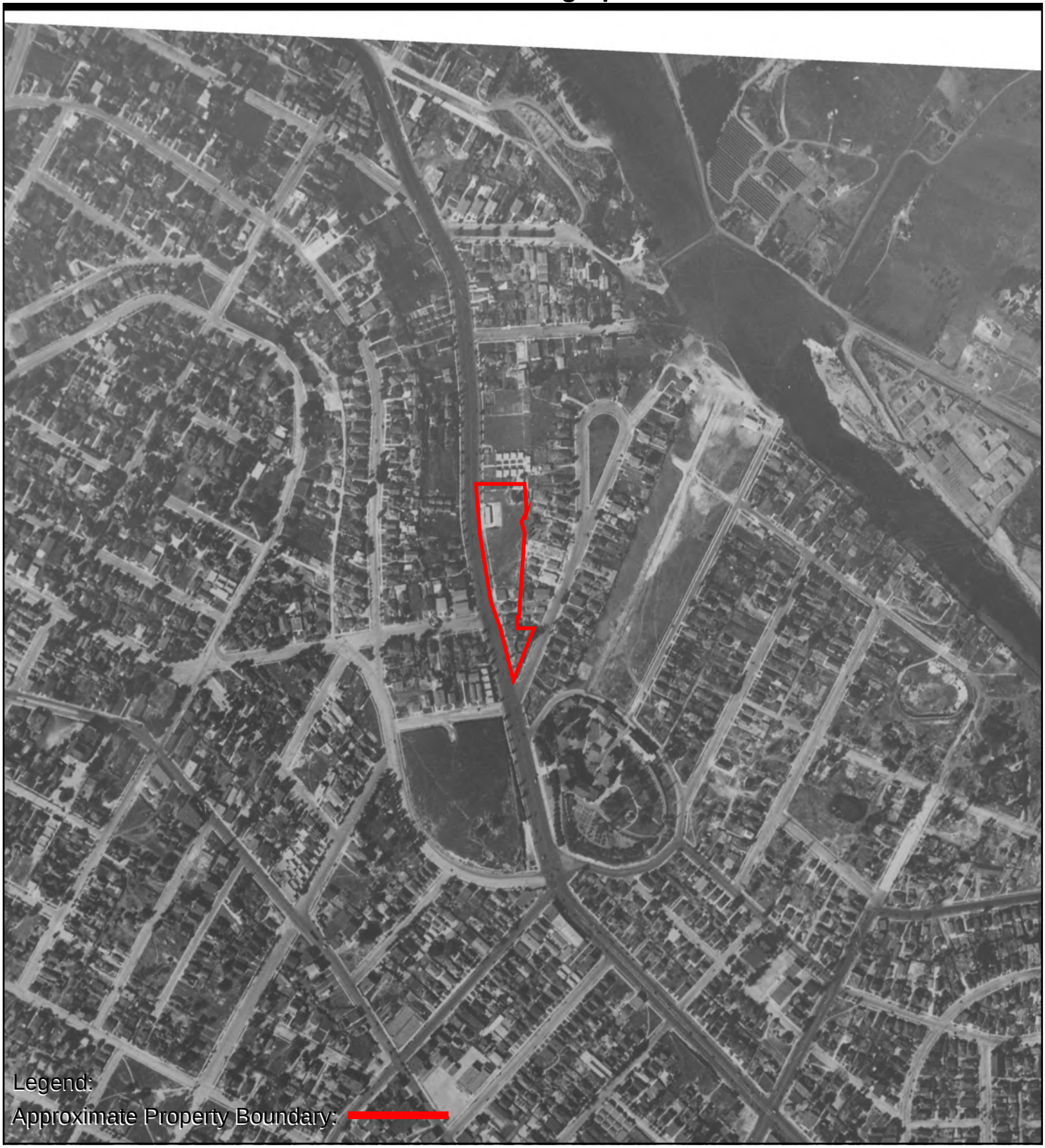
AEI



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AERIAL PHOTOGRAPH - 1923

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479224

1185-1245 W Sunset Boulevard

Los Angeles, CA 90026

Inquiry Number: 7344021.3

May 23, 2023

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05/23/23

Site Name:

479224
1185-1245 W Sunset Boulevar
Los Angeles, CA 90026
EDR Inquiry # 7344021.3

Client Name:

AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597
Contact: Johanan Supnet

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PO # 336488

Project 479224

Maps Provided:

1970	1950
1968	1906
1965	1894
1964	1890
1960	1888
1957	
1954	
1953	

Sanborn® Library search results

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1970 Source Sheets

Volume 3, Sheet 324
1970

Volume 3, Sheet 322
1970

Volume 3, Sheet 293
1970

1968 Source Sheets

Volume 3, Sheet 293
1968

Volume 3, Sheet 322
1968

Volume 3, Sheet 324
1968

1965 Source Sheets

Volume 3, Sheet 324
1965

Volume 3, Sheet 322
1965

Volume 3, Sheet 293
1965

1964 Source Sheets

Volume 3, Sheet 322
1964

Volume 3, Sheet 293
1964

Volume 3, Sheet 324
1964

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1960 Source Sheets

Volume 3, Sheet 324
1960

Volume 3, Sheet 322
1960

Volume 3, Sheet 293
1960

1957 Source Sheets

Volume 3, Sheet 322
1957

Volume 3, Sheet 293
1957

Volume 3, Sheet 324
1957

1954 Source Sheets

Volume 3, Sheet 324
1954

Volume 3, Sheet 322
1954

Volume 3, Sheet 293
1954

1953 Source Sheets

Volume 3, Sheet 293
1953

Volume 3, Sheet 293
1953

Volume 3, Sheet 322
1953

Volume 3, Sheet 322
1953

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1953 Source Sheets

Volume 3, Sheet 324
1953

Volume 3, Sheet 324
1953

1950 Source Sheets

Volume 3, Sheet 324
1950

Volume 3, Sheet 322
1950

Volume 3, Sheet 293
1950

1906 Source Sheets

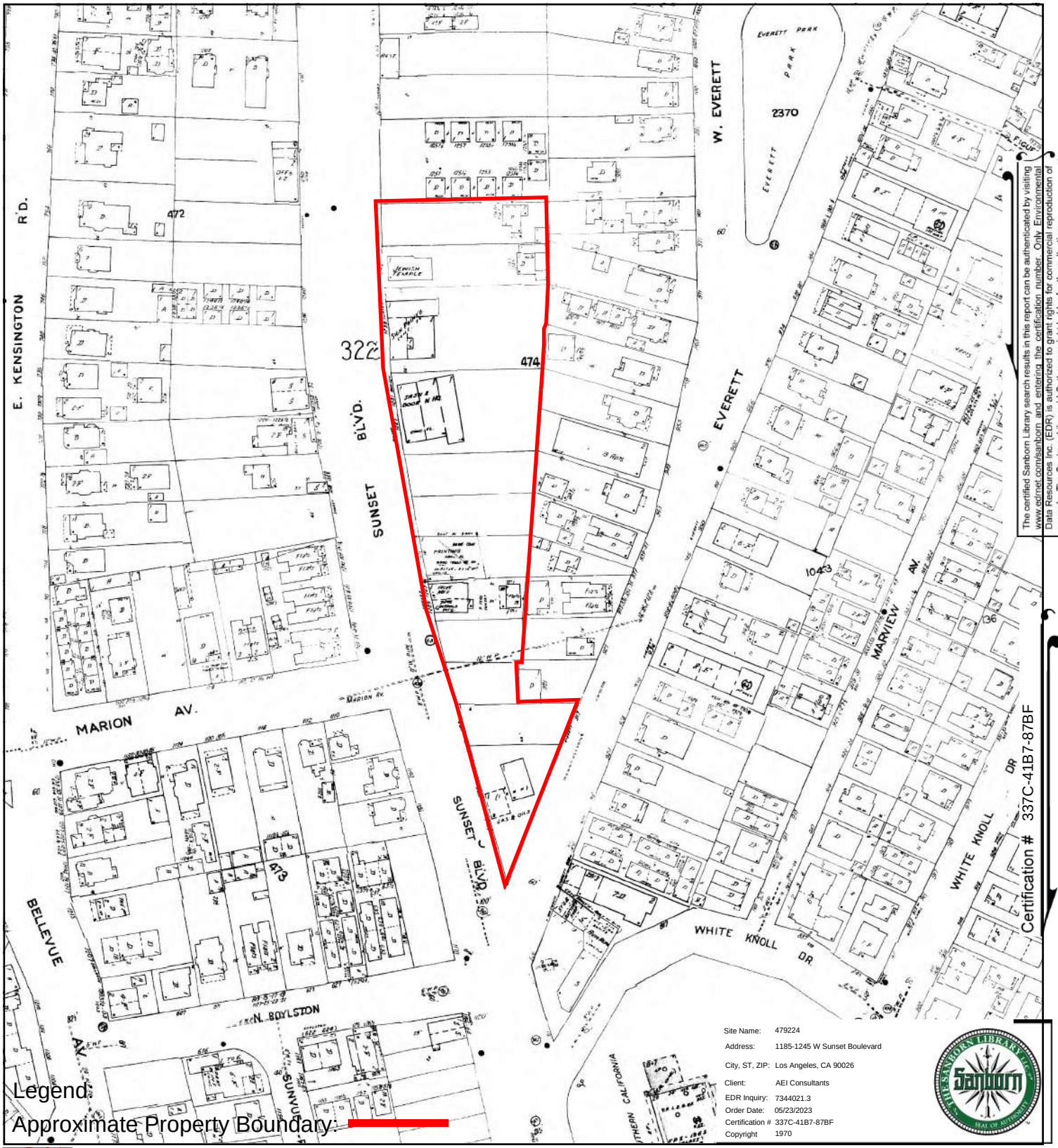
Volume 3, Sheet 293
1906

Volume 3, Sheet 322
1906

Volume 3, Sheet 324
1906

1888 Source Sheets

Volume 1, Sheet 13
1888



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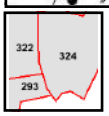

Volume 3, Sheet 293
Volume 3, Sheet 322
Volume 3, Sheet 324

0 Feet 150 300 600

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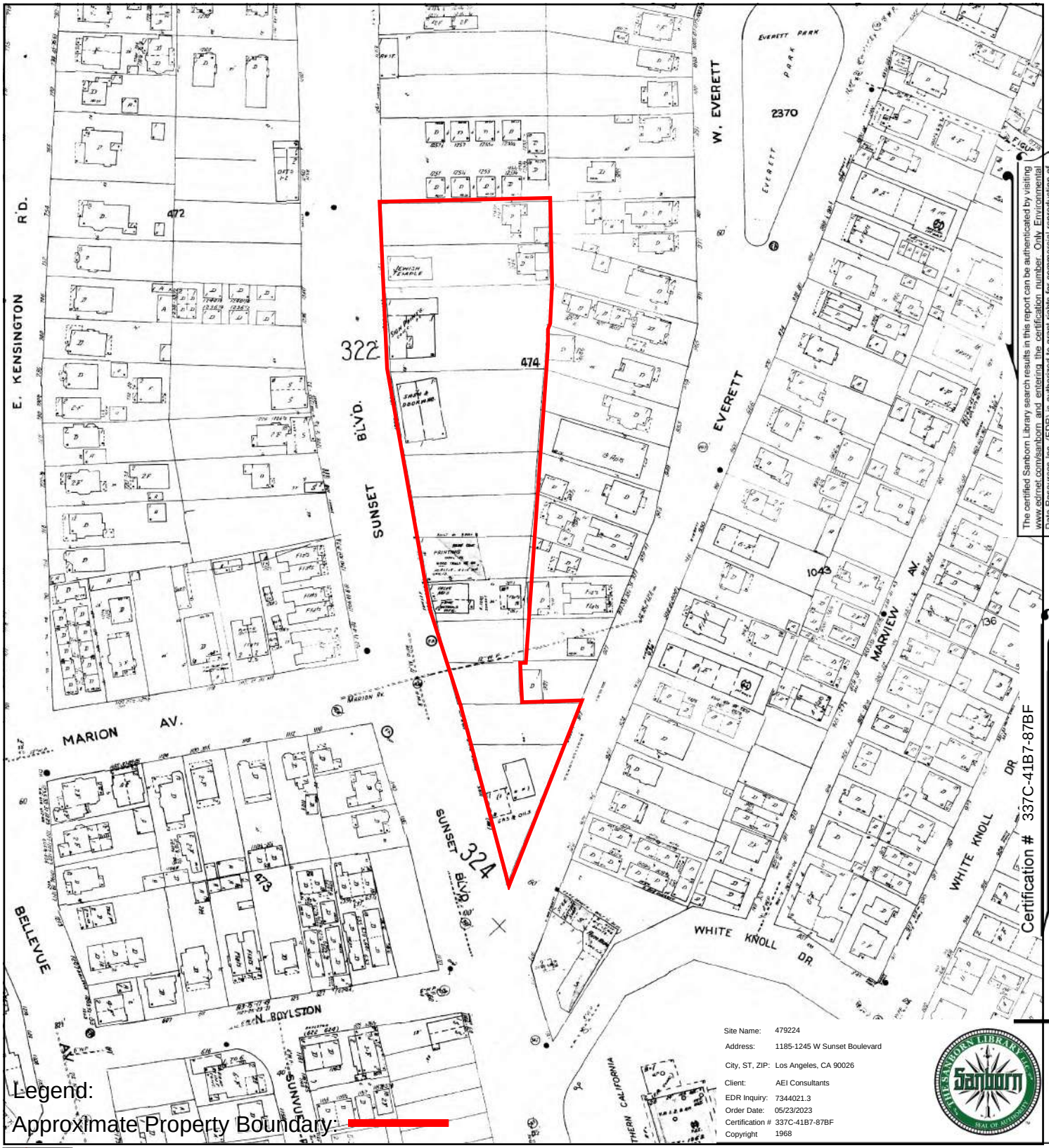
SANBORN MAP - 1970



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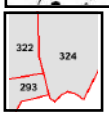

Volume 3, Sheet 324
Volume 3, Sheet 322
Volume 3, Sheet 293

0 Feet 150 300 600

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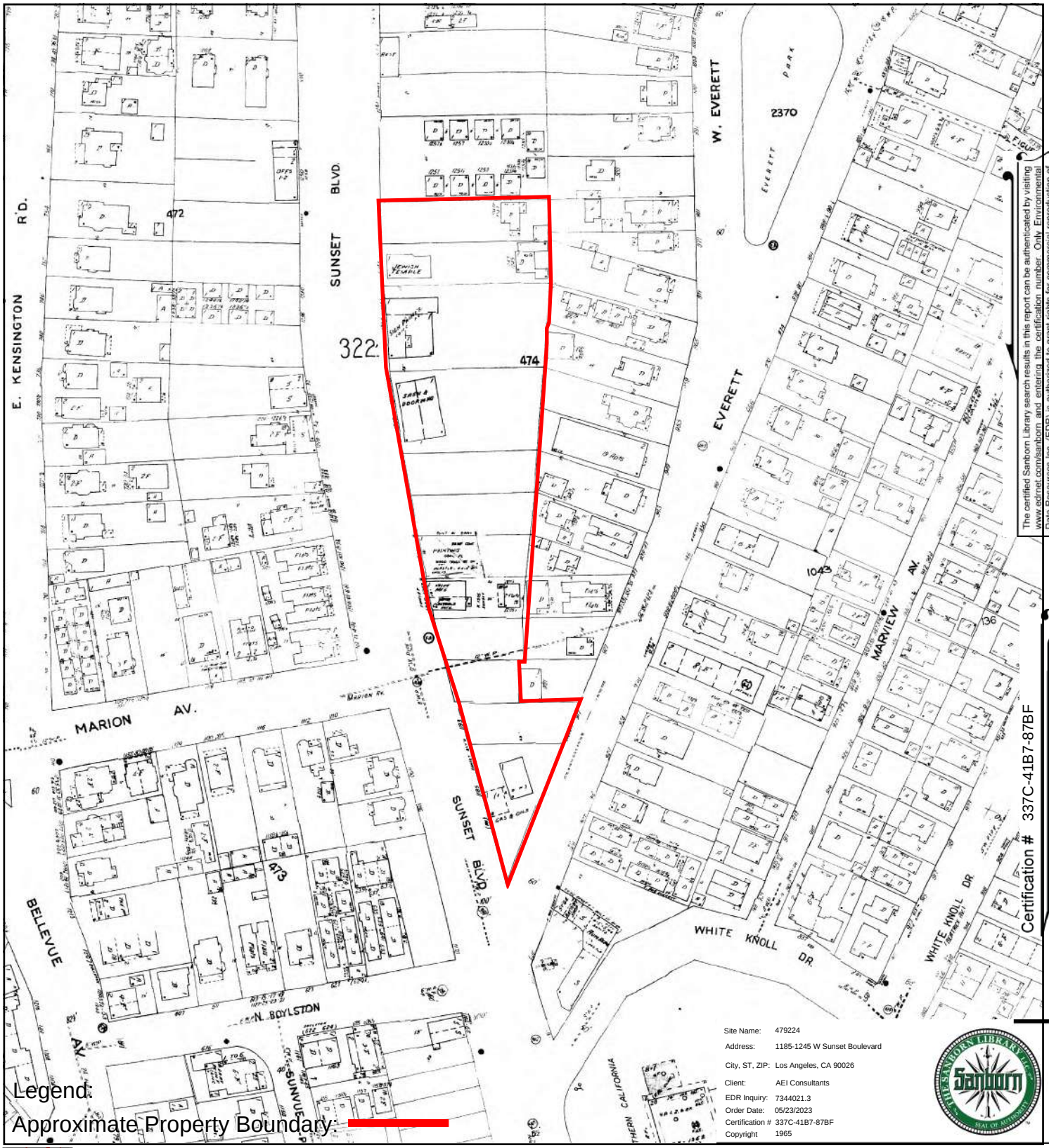
SANBORN MAP - 1968



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Legend:

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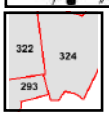

Volume 3, Sheet 293
Volume 3, Sheet 322
Volume 3, Sheet 324

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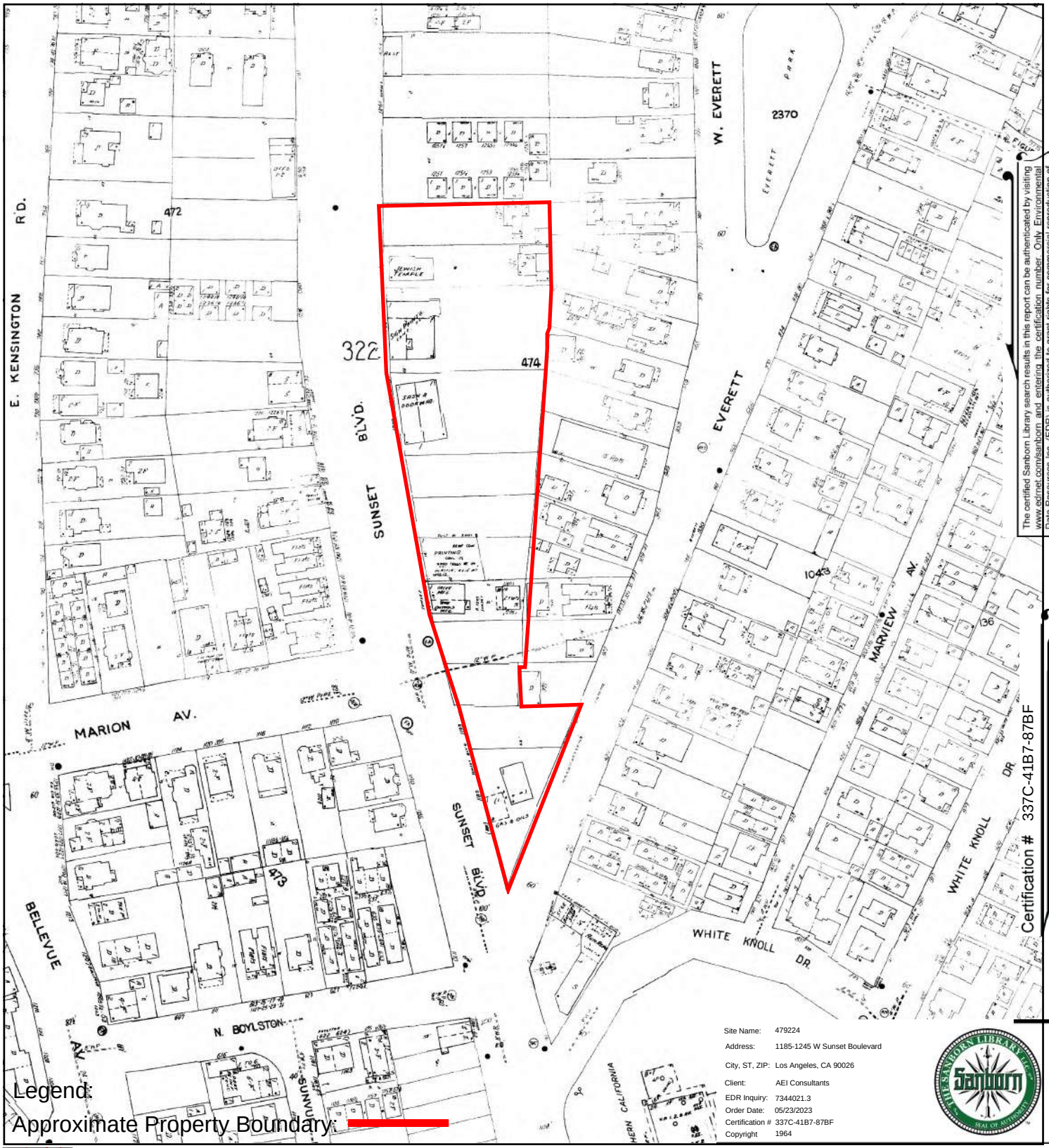
N

SANBORN MAP - 1965



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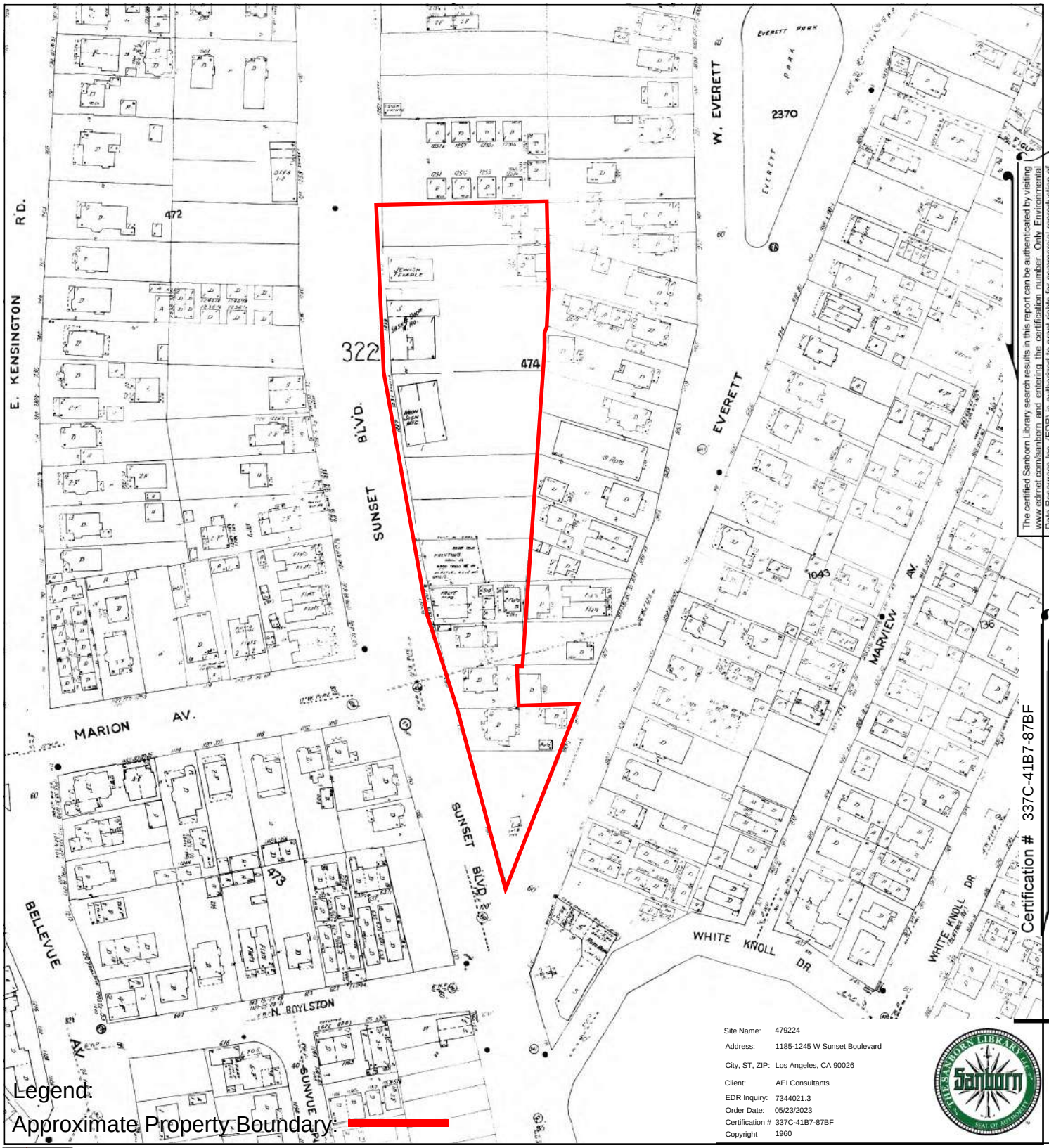
SANBORN MAP - 1964

Certified Sanborn® Map

1960



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EDR Inquiry: 7344021.3
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Copyright 1960

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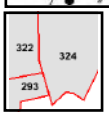

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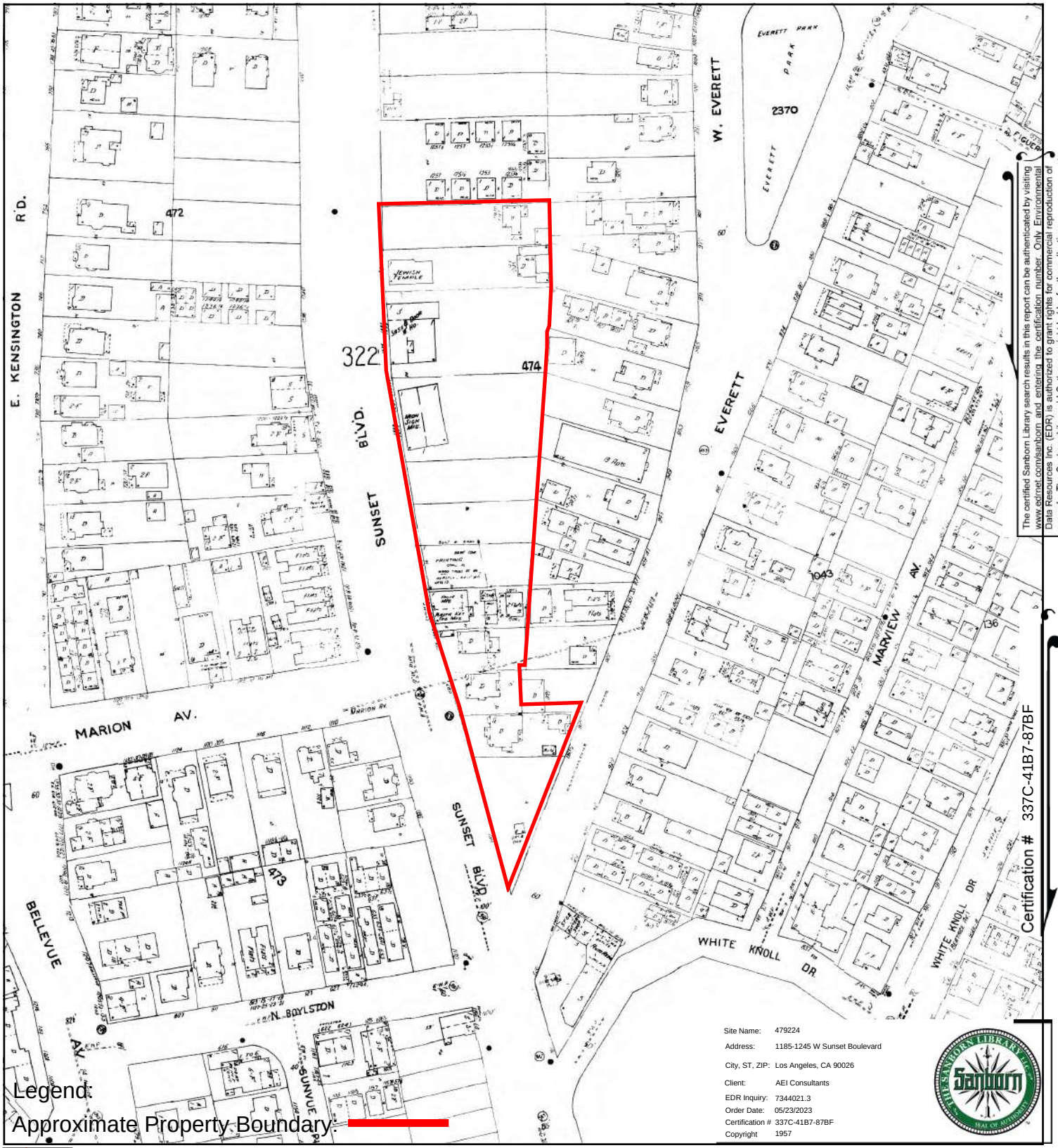
Volume 3, Sheet 322
Volume 3, Sheet 324

0 Feet 150 300 600

SANBORN MAP - 1960



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SANBORN MAP - 1957

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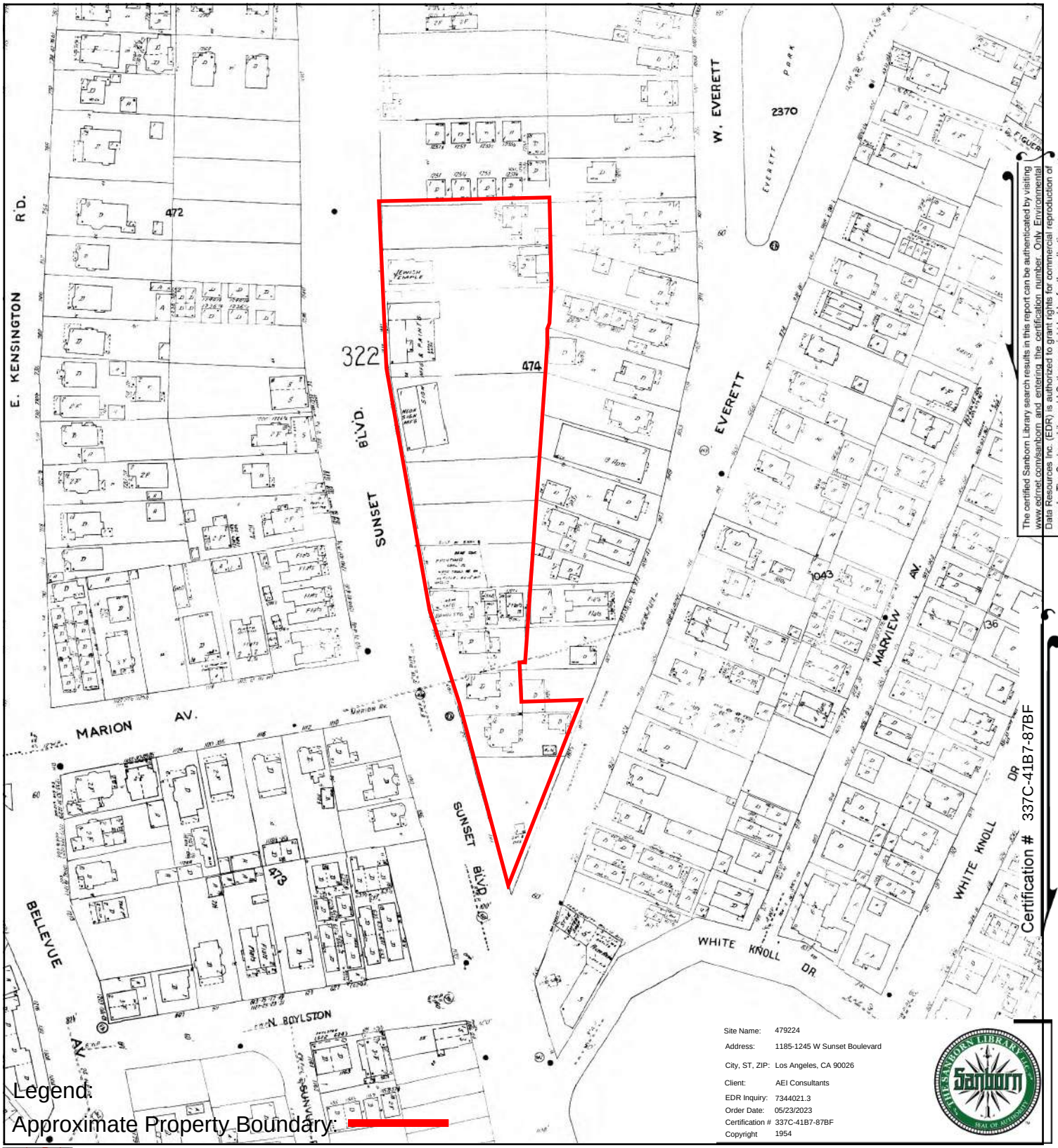
Certified Sanborn® Map

1954



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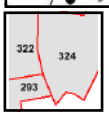

Volume 3, Sheet 293
Volume 3, Sheet 322
Volume 3, Sheet 324

0 Feet 150 300 600

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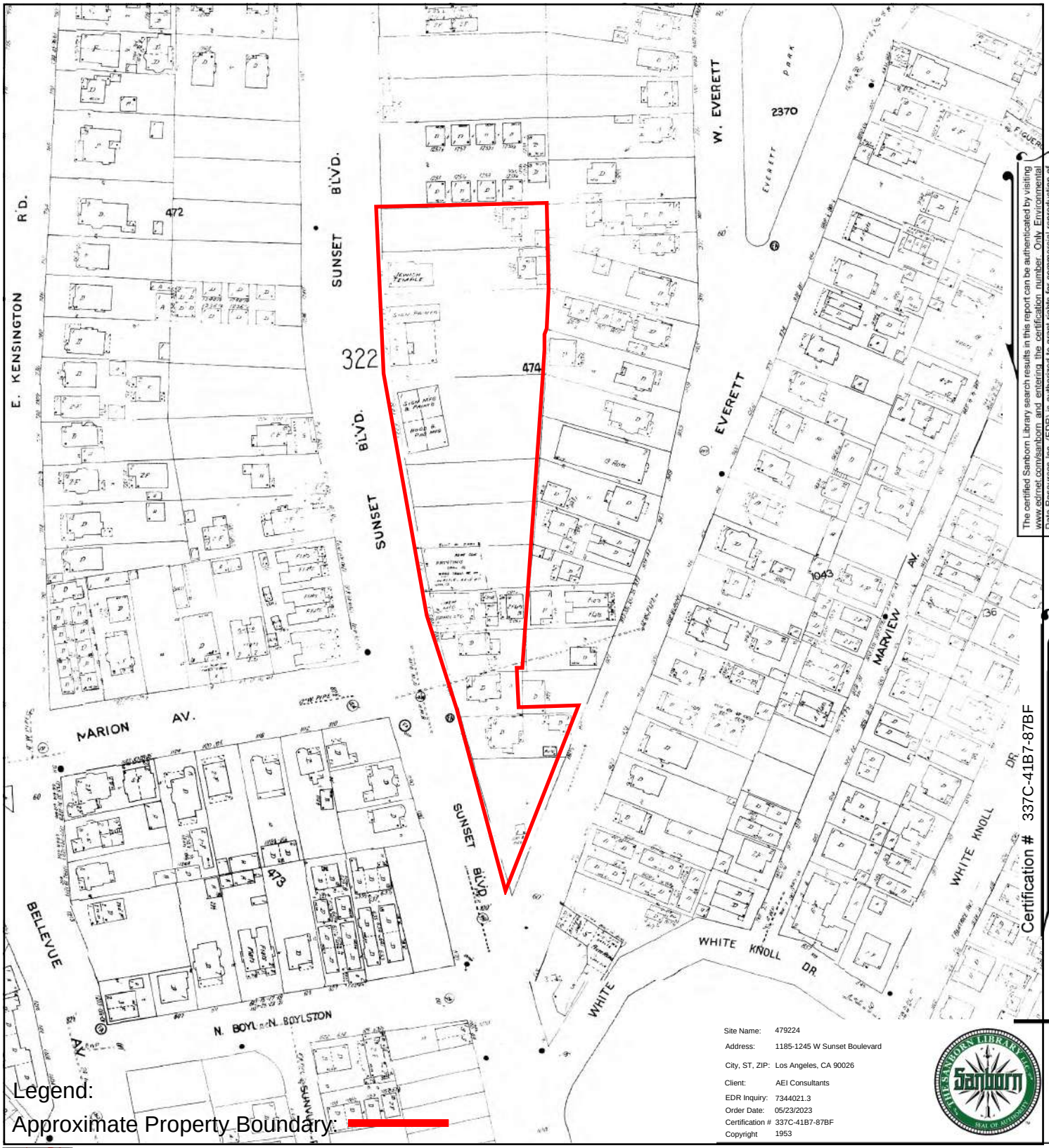
SANBORN MAP - 1954



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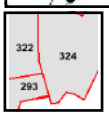


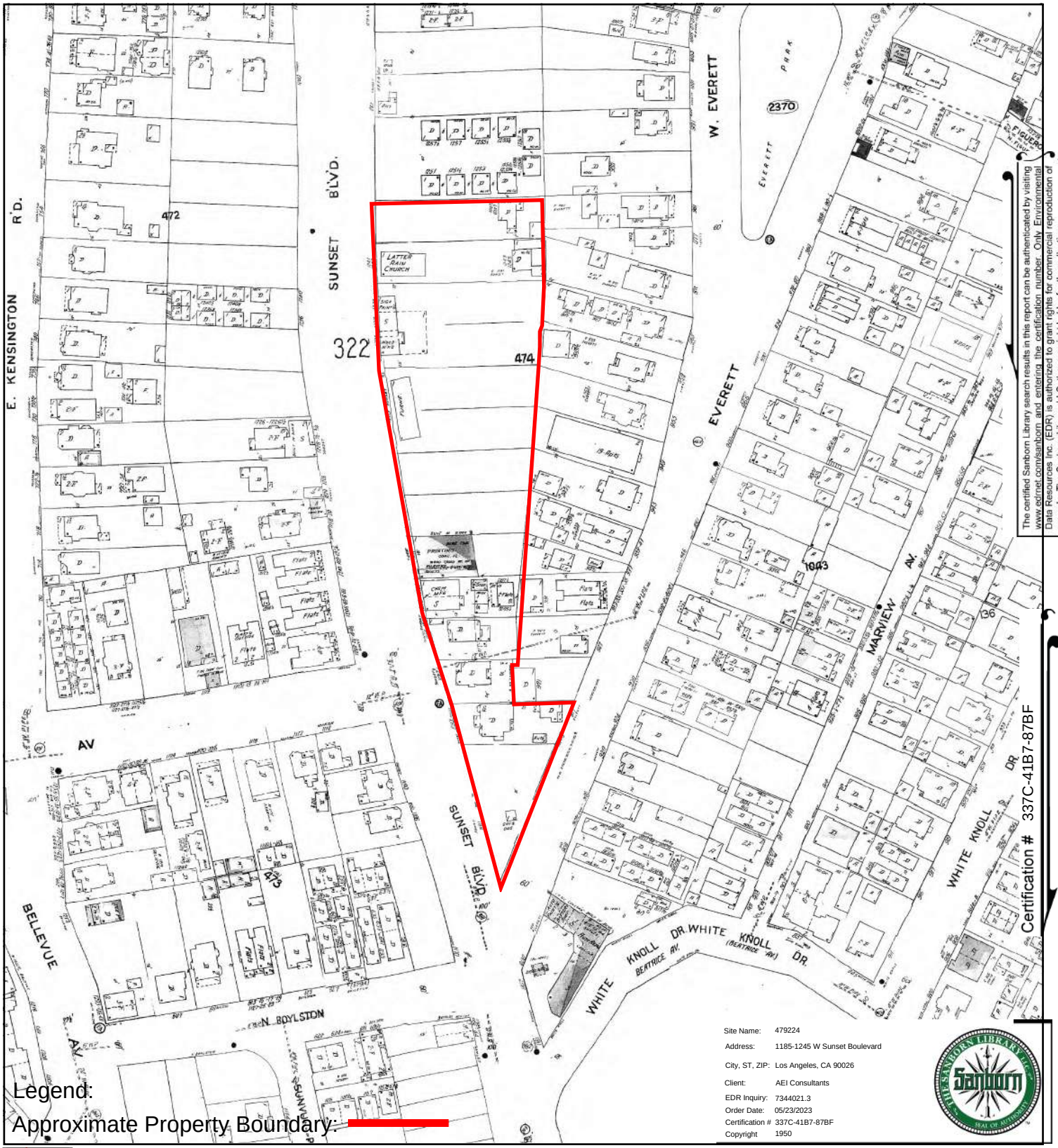
Volume 3, Sheet 324
Volume 3, Sheet 324
Volume 3, Sheet 322
Volume 3, Sheet 322
Volume 3, Sheet 293
Volume 3, Sheet 293

0 Feet 150 300 600

N

SANBORN MAP - 1953

AEI



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Legend:

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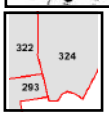

Volume 3, Sheet 293
Volume 3, Sheet 322
Volume 3, Sheet 324

0 Feet 150 300 600

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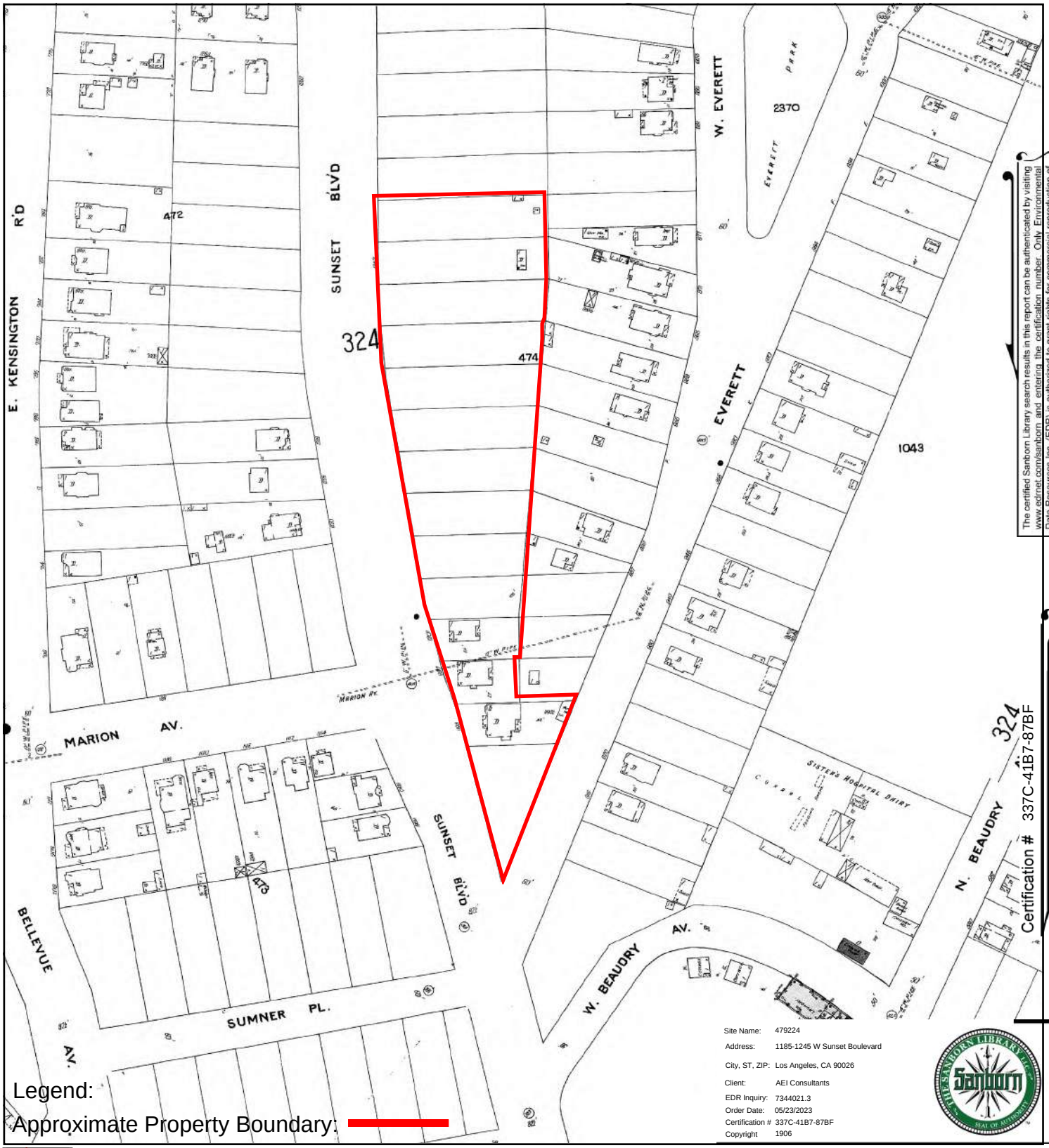
SANBORN MAP - 1950



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Certification #: 337C-41B7-87BF
Copyright 1906

Legend:

Approximate Property Boundary:

Volume 3, Sheet 324
Volume 3, Sheet 322
Volume 3, Sheet 293

0 Feet 150 300 600

N

SANBORN MAP - 1906

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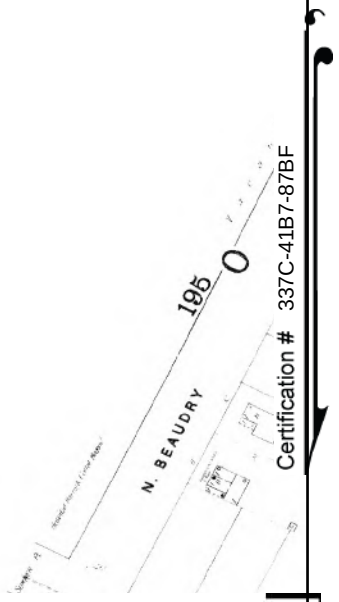

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Certification # 337C-41B7-87BF
Copyright 1894

Legend:

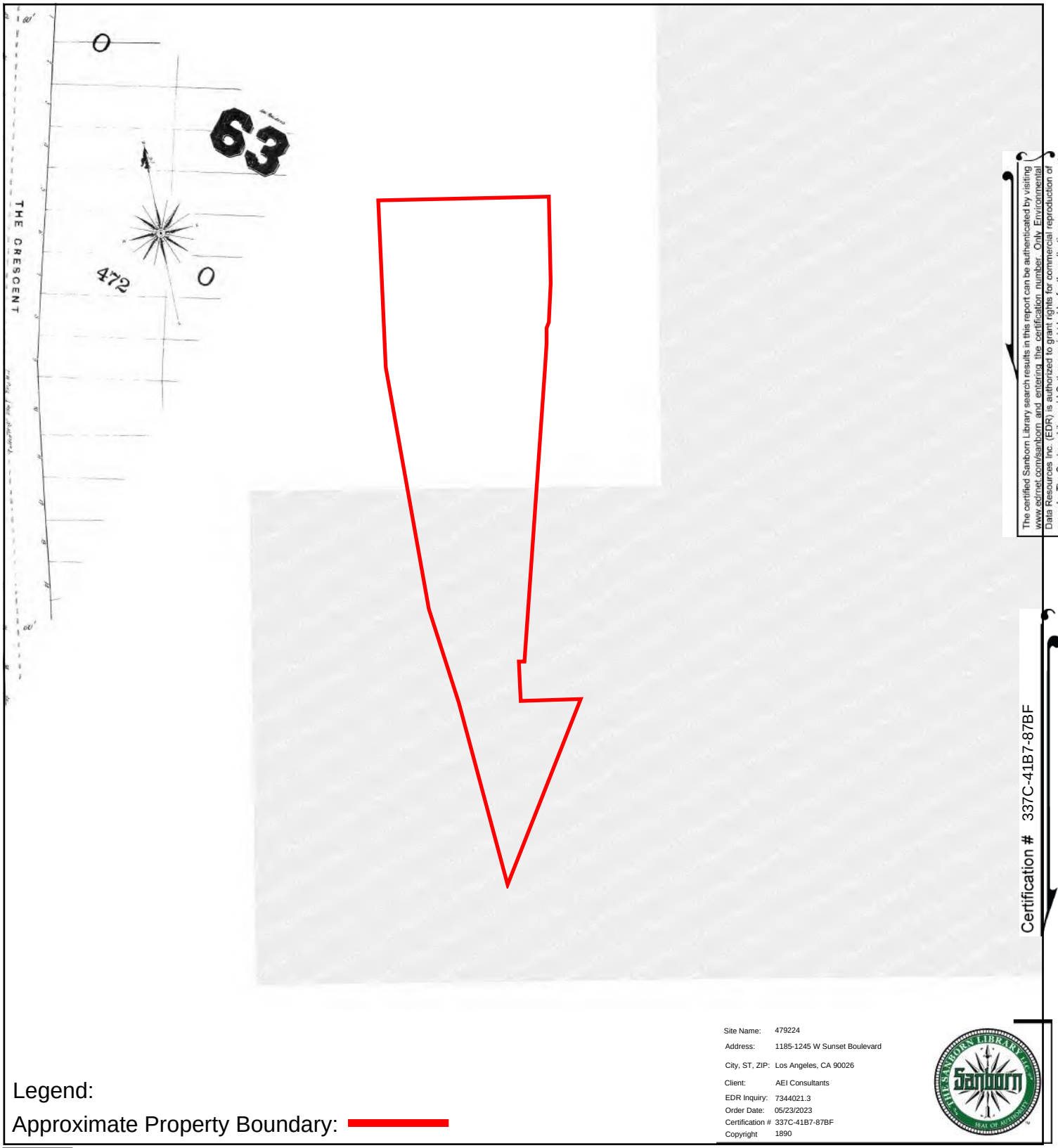
Approximate Property Boundary:

0 Feet 150 300 600

N

SANBORN MAP - 1894

AEI



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Certification # 337C-41B7-87BF
Copyright 1890

Legend:

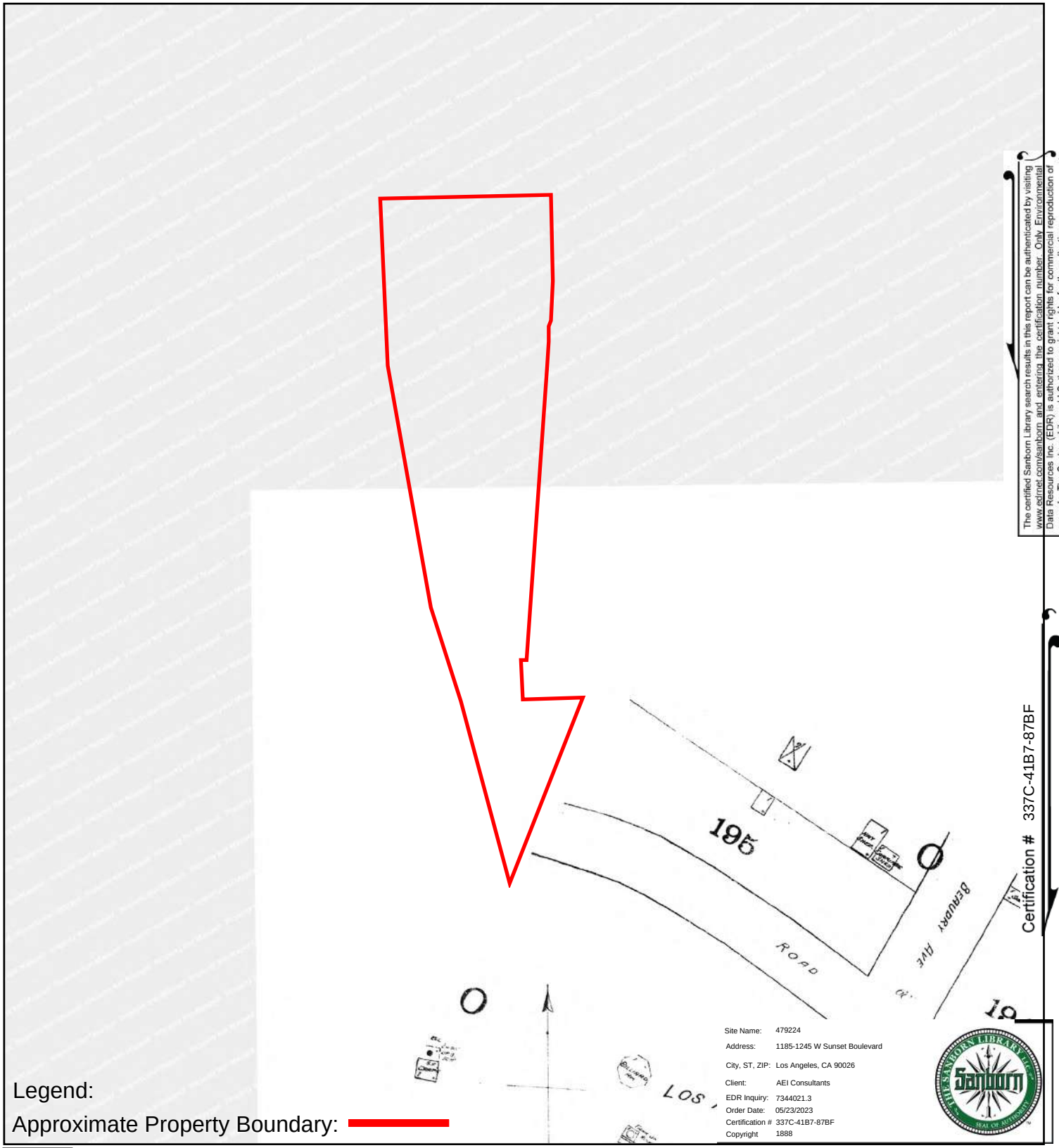
Approximate Property Boundary:

0 Feet 150 300 600

N

SANBORN MAP - 1890

AEI



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Certification # 337C-41B7-87BF
Copyright 1888

Legend:
Approximate Property Boundary:

Volume 1, Sheet 13

0 Feet 150 300 600

N

SANBORN MAP - 1888

479224
1185-1245 W Sunset Boulevard
Los Angeles, CA 90026

Inquiry Number: 7344021.5
May 23, 2023

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
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SECTION

Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at approximately five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through current. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 332 feet of the target property.

Summary information obtained is provided in the text of this report.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2020	EDR Digital Archive	-	X	X	-
2017	Cole Information	-	-	-	-
2014	Cole Information	-	X	X	-
2010	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2005	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	HAINES & COMPANY INC.	-	-	-	-
2000	Cole Information	-	X	X	-
	Cole Information	X	X	X	-
	Haines & Company	-	X	X	-
	Haines & Company	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1999	Haines & Company	-	-	-	-
1996	Pacific Bell	-	-	-	-
1995	Cole Information	-	X	X	-
1992	Cole Information	-	X	X	-
1991	Pacific Telephone	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	-	-	-
1976	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Cole Information	-	-	-	-
1969	R. L. Polk & Co.	-	-	-	-
1967	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1966	THE PACIFIC TELEPHONE AND TELEGRAPH COMPNAY	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	X	X	-
1955	The Pacific Telephone & Telegraph Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1951	Pacific Telephone & Telegraph Co.	-	X	X	-
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	X	X	-
1939	Los Angeles Directory Co.	-	-	X	-
	Los Angeles Directory Co.	X	-	X	-
1938	Pacific Telephone	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	R. L. Polk & Co.	-	-	-	-
1935	R. L. Polk & Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Co.	-	-	-	-
1930	R. L. Polk & Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	R. L. Polk & Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
Sunset Blvd	Client Entered	
Everett St	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1185-1245 W Sunset Boulevard
Los Angeles, CA 90026

FINDINGS DETAIL

Target Property research detail.

SUNSET BLVD

1185 SUNSET BLVD

Year	Uses	Source
2006	BESTWAYHAND	Haines Company, Inc.
	OAND J AUTO	Haines Company, Inc.
	REPAIR AND SALES	Haines Company, Inc.
2000	BEST WAY HAND CAR	Haines & Company
	SEMPE AUTO REPAIR	Haines & Company
1976	HERNANDEZ ARCO SERVICE	Pacific Telephone
1971	HERNANDEZ ARCO SERV	Pacific Telephone
1967	HERNANDEZ RICHFIELD SERVICE	Pacific Telephone
1962	J & R Richfield Serv A Center	Pacific Telephone
	Rodeo & La Cienega	Pacific Telephone
	Sunset & Everett	Pacific Telephone

1193 SUNSET BLVD

Year	Uses	Source
1958	Gamez Cruz	Pacific Telephone

1197 SUNSET BLVD

Year	Uses	Source
1958	Ogaz Jesus	Pacific Telephone

1201 SUNSET BLVD

Year	Uses	Source
1958	Padilla A S	Pacific Telephone
1939	FREEMAN YOUNG FRANK	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1939	LOVETT WILLIAM WATSON MRS	Los Angeles Directory Co.
	LYON KATHERINE MRS	Los Angeles Directory Co.
	SHIDLE F MRS	Los Angeles Directory Co.
	SNODGRASS HARVEY B TENNIS INSTR	Los Angeles Directory Co.

1211 SUNSET BLVD

Year	Uses	Source
1971	Atlas Paper Co	Pacific Telephone
	Atlas Rubber Co	Pacific Telephone
	BODONI LTD prntng	Pacific Telephone
	Hollyw ood Printing Co	Pacific Telephone
	Printers Of Hollyw ood	Pacific Telephone
1967	BODONI LTD printng	Pacific Telephone
1962	Bodoni Ltd prstng	Pacific Telephone
1958	Mutilatini Foundation	Pacific Telephone

W SUNSET BLVD

1185 W SUNSET BLVD

Year	Uses	Source
2010	BEST WAY HAND CAR WASH	Cole Information
	CAMPOS AUTO SALES	Cole Information
	O & J AUTO REPAIRS & SALES	Cole Information
2000	H SEMPE	Cole Information

1211 W SUNSET BLVD

Year	Uses	Source
2005	MONSTROUS CONCEPTS	Cole Information
2000	MARGO BAHAN	Cole Information
	SCOTT SOURA	Cole Information

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BOYLSTON

613 BOYLSTON

Year	Uses	Source
1990	BASHONG DENG	Pacific Bell
1986	BASHONG DENG	Pacific Bell
1981	WEINREICH STANLEY	Pacific Telephone
1967	Vermeulen Adriaan	Pacific Telephone

615 BOYLSTON

Year	Uses	Source
1990	TRAN THANH XUYEN	Pacific Bell

616 BOYLSTON

Year	Uses	Source
1990	KONG PING CHING	Pacific Bell
	ONG NHEP	Pacific Bell
	PHAM CAMHUE T	Pacific Bell
	TON KHON	Pacific Bell
1986	KONG PING CHING	Pacific Bell
	LAM CHIN TAK	Pacific Bell
	LUU KHOUNG VAN	Pacific Bell
	LY VAN KHAI	Pacific Bell
1981	DONG MANH	Pacific Telephone
	DOWNS M M	Pacific Telephone
	HAO FENG-YING	Pacific Telephone
	KONG PING CHING	Pacific Telephone
	TALLMAN STERLING	Pacific Telephone
1967	Gellis Leon	Pacific Telephone
	Gooley Leonie Mrs	Pacific Telephone
	Land Leon L	Pacific Telephone

FINDINGS

Year	Uses	Source
1967	Murphy Thos E	Pacific Telephone
	Oulund Hilmar J	Pacific Telephone
	Rivera Albert	Pacific Telephone

617 BOYLSTON

Year	Uses	Source
1981	TRAN QUANG MINH	Pacific Telephone

619 BOYLSTON

Year	Uses	Source
1990	SAVATPHAYPHANE BOUALIVANH	Pacific Bell

623 BOYLSTON

Year	Uses	Source
1990	SZETO SIK	Pacific Bell
1986	SZETO SIK	Pacific Bell
1967	Varela Saml G	Pacific Telephone

627 BOYLSTON

Year	Uses	Source
1981	RUIZ CARLOS	Pacific Telephone
1967	Liu Mo Fun	Pacific Telephone
	Mork Carol	Pacific Telephone

629 BOYLSTON

Year	Uses	Source
1990	NGUYEN LY	Pacific Bell
1986	PHUNG HOANG NHI T	Pacific Bell
1967	Nussbaum Hannah Miss	Pacific Telephone
	Strauser Roy B	Pacific Telephone
1933	SAUNDERS Wm C Frances chauf	Los Angeles Directory Co.

633 BOYLSTON

Year	Uses	Source
1986	LE CAU	Pacific Bell

FINDINGS

635 BOYLSTON

Year	*Uses*	*Source*
1981	DEN LEE CHIN HUI	Pacific Telephone
1967	Gama J	Pacific Telephone

641 BOYLSTON

Year	*Uses*	*Source*
1986	GAMA J	Pacific Bell
1981	GAMA J	Pacific Telephone
1967	Young Ruth O Miss	Pacific Telephone

627 1/4 BOYLSTON

Year	*Uses*	*Source*
1986	TSOI CHAN COOC	Pacific Bell

627 3/4 BOYLSTON

Year	*Uses*	*Source*
1990	HENG ANG	Pacific Bell

629 1/4 BOYLSTON

Year	*Uses*	*Source*
1990	QUACH FUONG DUC	Pacific Bell

629 3/4 BOYLSTON

Year	*Uses*	*Source*
1986	HONG LEE HOAC HOANG	Pacific Bell

629 7/8 BOYLSTON

Year	*Uses*	*Source*
1990	SALDANA RAQUEL	Pacific Bell

BOYLSTON ST

613 BOYLSTON ST

Year	*Uses*	*Source*
2006	BAOHONGDeng	Haines Company, Inc.
	ONG Slu F	Haines Company, Inc.
1976	Weinreich Stanley	Pacific Telephone

FINDINGS

Year	Uses	Source
1942	EDWARDS Fredk Christina pntr Bd of Educ	Los Angeles Directory Co.
1937	EDWARDS Fred Christina pntr	Los Angeles Directory Co.
1933	EDWARDS Fred Christina pntr	Los Angeles Directory Co.
1929	EDWARDS Fred E Christine pntr	Los Angeles Directory Co.
1924	Breining Edw d W h	Los Angeles Directory Co.
	Breining Thelma r	Los Angeles Directory Co.

615 BOYLSTON ST

Year	Uses	Source
1976	Lee Julie	Pacific Telephone
1951	N Boylstn Jones Pauline Grafton	Pacific Telephone & Telegraph Co.
	N Boylstn Jones Ralph Lee	Pacific Telephone & Telegraph Co.
1942	WEBER Henry W Edna elev dir	Los Angeles Directory Co.
1937	WEBER Henry Edna elev opr	Los Angeles Directory Co.
1933	WEBER Henry elev dir	Los Angeles Directory Co.
1924	HARTZELL Georgia E teller First Natl Bank r	Los Angeles Directory Co.
	HARTZELL Virginia C Mrs h	Los Angeles Directory Co.

616 BOYLSTON ST

Year	Uses	Source
2006	CHENGJohn Tung	Haines Company, Inc.
	NG Hok Kan	Haines Company, Inc.
	SAKPHAYANAKam	Haines Company, Inc.
1976	Chow Way Sack	Pacific Telephone
	Dow ns M M	Pacific Telephone
1958	Komer Richard L	Pacific Telephone
	ONeal Jas A	Pacific Telephone
	Todd Clyde	Pacific Telephone

617 BOYLSTON ST

Year	Uses	Source
1958	Colby Geraldine E	Pacific Telephone
	Schoenstein Frances	Pacific Telephone
1951	N Boylstn Weiser Florence E r	Pacific Telephone & Telegraph Co.

FINDINGS

Year	Uses	Source
1942	De Avis Ruby clk	Los Angeles Directory Co.
1937	De Avis Ruby Mrs	Los Angeles Directory Co.
1933	Deavis Rubiy	Los Angeles Directory Co.
	Dilton E J Mrs	Los Angeles Directory Co.
1929	TIPTON Will S Ida Tipton & Cailor h	Los Angeles Directory Co.
1924	TIPTON Will S Tipton & Cailor h	Los Angeles Directory Co.

619 BOYLSTON ST

Year	Uses	Source
2006	o LOVMeng Tiar	Haines Company, Inc.
1958	Kazen Ginger M	Pacific Telephone
1951	N Boylstn Tanke Joan r	Pacific Telephone & Telegraph Co.
1942	COLE John Ruby	Los Angeles Directory Co.
	Monteverde Henry Anita elev opr	Los Angeles Directory Co.
1937	HANSEN Arth C Ethel slsmn	Los Angeles Directory Co.
1933	Hensen Arth C Ethel slsmn	Los Angeles Directory Co.
1924	COWAN Saml h	Los Angeles Directory Co.

622 BOYLSTON ST

Year	Uses	Source
1937	Wattles Gurdon H Margt rodmn Bd of Educ	Los Angeles Directory Co.

623 BOYLSTON ST

Year	Uses	Source
2006	CARLOSJuan	Haines Company, Inc.
	ROMERO Angel	Haines Company, Inc.
1976	Szeto Sik	Pacific Telephone
1937	COLE Ira Iris bkpr	Los Angeles Directory Co.
	WOODWARD Belle E Mrs slsw n	Los Angeles Directory Co.
1929	COLE Iris bkpr	Los Angeles Directory Co.
1924	Hinde Sadie r	Los Angeles Directory Co.
	LYONS Gerold h	Los Angeles Directory Co.

FINDINGS

624 BOYLSTON ST

Year	Uses	Source
1942	Covarrubias Juan cook	Los Angeles Directory Co.
	Douglas John	Los Angeles Directory Co.
	FISH Claude Marie lab	Los Angeles Directory Co.

626 BOYLSTON ST

Year	Uses	Source
1951	N Boylstn Zimmerman Wm r	Pacific Telephone & Telegraph Co.
1942	SAMUELS David S Rosa B mtrmn	Los Angeles Directory Co.
1937	Samuels David S Rosa cond	Los Angeles Directory Co.
	ZIMMERMAN Wm Marie	Los Angeles Directory Co.

627 BOYLSTON ST

Year	Uses	Source
2006	DIEC Mirnh Cam	Haines Company, Inc.
1976	Hersh Morris M	Pacific Telephone
	Prayonsirisak Udom	Pacific Telephone
1958	Chao Calvin Rev	Pacific Telephone
	Liu Mo Fun	Pacific Telephone
1951	N Boylstn Holland Glover A r	Pacific Telephone & Telegraph Co.
1942	Chiappetta Albt mach	Los Angeles Directory Co.
	Chiappetta Marcella	Los Angeles Directory Co.
	LEE Wm E Anna	Los Angeles Directory Co.
	MAY Vance clk Co Assessor	Los Angeles Directory Co.
	MELLEN Wesley Lucile musician	Los Angeles Directory Co.
1937	Bertini Albt Vera pntr	Los Angeles Directory Co.
	Kazleak Lena Mrs cook	Los Angeles Directory Co.
	LEE Wm Y Ann	Los Angeles Directory Co.
1933	Ahlstrom Anna	Los Angeles Directory Co.
	Ahlstrom John	Los Angeles Directory Co.
	Jackson Anthony M Louise	Los Angeles Directory Co.
	SANDERSON Owen Janett electn	Los Angeles Directory Co.
	Santee Floyd G dep State Div of Labor Statistics	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1933	Turk Eleanor M slsw n	Los Angeles Directory Co.
1929	BUNTON Anna Mrs slsldy	Los Angeles Directory Co.
	BUNTON Harry H musician	Los Angeles Directory Co.
	Costigan Honore social w kr Co Charities	Los Angeles Directory Co.
	Fifield Mary L w id W J	Los Angeles Directory Co.
	How ley Mary A Mrs sten	Los Angeles Directory Co.
	Venoni Chas lab h	Los Angeles Directory Co.

629 BOYLSTON ST

Year	Uses	Source
2006	DELATORREAnt lolino	Haines Company, Inc.
1976	Chu Muon	Pacific Telephone
	Ramirez Rafael C	Pacific Telephone
1958	Leonard R Marie	Pacific Telephone
	Strauser Roy B	Pacific Telephone
1951	N Boylstn Richardson Maude C r	Pacific Telephone & Telegraph Co.
	N Boylstn Strauser Roy B r	Pacific Telephone & Telegraph Co.
1942	Bennett Mae w id Herbt	Los Angeles Directory Co.
	Oakley Geo Mollie mech	Los Angeles Directory Co.
	Oakley Irene M sec Harold Riches	Los Angeles Directory Co.
	Strauser Roy B batterymn	Los Angeles Directory Co.
1937	DAVIES Evelyn M Mrs	Los Angeles Directory Co.
	Montag Gustave Esther jw lr	Los Angeles Directory Co.
1933	DIXON Grace B w ith L A Community Welfare Federation	Los Angeles Directory Co.
	Dresch Stew art L Janet mgr State of Calif Blindmade Products	Los Angeles Directory Co.
	SULLIVAN Florence Ida	Los Angeles Directory Co.
1929	BREWER Bert C police	Los Angeles Directory Co.
	Condren Geo F police	Los Angeles Directory Co.
	RICHARDSON Chas J Marie L eng h	Los Angeles Directory Co.
	Stankovic Martin N Florence barber	Los Angeles Directory Co.
	h	Los Angeles Directory Co.
1924	BRINK Thos J h	Los Angeles Directory Co.

FINDINGS

633 BOYLSTON ST

Year	*Uses*	*Source*
2006	BJOE Dylan	Haines Company, Inc.
	LIAOWei	Haines Company, Inc.
1958	Rodriguez Robt	Pacific Telephone
1942	CURTIS Geo W Wilma	Los Angeles Directory Co.
1937	HERBERT Eleanor A clk	Los Angeles Directory Co.
	Mc Abee Eleanor clk	Los Angeles Directory Co.
1933	PATTERSON Marie w aiter	Los Angeles Directory Co.
1929	PATTERSON Augusta M	Los Angeles Directory Co.
1924	Patashink F Mrs h	Los Angeles Directory Co.
	Patashink Meyer tel r	Los Angeles Directory Co.
	Patashink Theo r	Los Angeles Directory Co.

635 BOYLSTON ST

Year	*Uses*	*Source*
1951	N Boylstn Stephens Robt B r	Pacific Telephone & Telegraph Co.
	N Boylstn Medley Leonie R r	Pacific Telephone & Telegraph Co.
1942	MILLER Maxine clk	Los Angeles Directory Co.
	MILLER Wayman meatctr	Los Angeles Directory Co.
1937	Miranda Lupe A Mrs	Los Angeles Directory Co.
1933	CLAUSSEN Fred R Edna printer	Los Angeles Directory Co.
1929	Kohanover Albt Ruth E pdlr	Los Angeles Directory Co.
1924	DRENNAN Minnie Mrs seam r	Los Angeles Directory Co.
	Gialand Guy F clk h	Los Angeles Directory Co.
	Kohanover Albt h	Los Angeles Directory Co.
	Kohanover Ruth E slsw mn r	Los Angeles Directory Co.

637 BOYLSTON ST

Year	*Uses*	*Source*
1958	Burrow s Raymond K	Pacific Telephone
1951	N Boylstn Rosen Sadie r	Pacific Telephone & Telegraph Co.
	N Boylstn Peirce Thos S r	Pacific Telephone & Telegraph Co.
1942	BRADLEY Jew el clk	Los Angeles Directory Co.
1937	Loos Gerda E sten Bank of Am	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	ORTEGA Teresa Mrs fctywkr	Los Angeles Directory Co.
1933	Stockton Dorothy	Los Angeles Directory Co.
1929	Putman O L h	Los Angeles Directory Co.
1924	Lotto Esther wid J M h	Los Angeles Directory Co.
	Lotto Gertrude steno r	Los Angeles Directory Co.
	Lotto Martin archt r	Los Angeles Directory Co.
	Lotto Minerva R slswmn r	Los Angeles Directory Co.

639 BOYLSTON ST

Year	Uses	Source
1976	Perez Olda A	Pacific Telephone
1958	White Rose	Pacific Telephone
1942	Giglio Nick Josephine auto pk atdt	Los Angeles Directory Co.
1937	Lansing Jessie H Mrs	Los Angeles Directory Co.
	MORSE M H	Los Angeles Directory Co.
1933	Strang Albt G embalmer	Los Angeles Directory Co.
1929	Littlefield Ellen wid Arth	Los Angeles Directory Co.
	LITTLEFIELD Lucy clk	Los Angeles Directory Co.

641 BOYLSTON ST

Year	Uses	Source
1976	Gama J	Pacific Telephone
1958	Ornelas Ramona	Pacific Telephone
1951	N Boylstn Gallardo Marta M r	Pacific Telephone & Telegraph Co.
1937	PATTERSON Augusta M Mrs	Los Angeles Directory Co.
1933	Wiemer Martha cook	Los Angeles Directory Co.
1924	WHITE Genevieve nurse r	Los Angeles Directory Co.
	WHITE Mary L proof rdr h	Los Angeles Directory Co.
	WHITE Ruth C proofrdr	Los Angeles Directory Co.

685 BOYLSTON ST

Year	Uses	Source
1933	Lotto Martin slsmn	Los Angeles Directory Co.

FINDINGS

699 BOYLSTON ST

Year	Uses	Source
1937	Strauser Boy B Daisy auto mech	Los Angeles Directory Co.

EVERETT

900 EVERETT

Year	Uses	Source
1990	J & A MUFFLER	Pacific Bell
1986	J & A MUFFLER	Pacific Bell
1942	TAYLOR Harry L Tirzah auto tnmr	Los Angeles Directory Co.
1937	Majach Mary w id J M	Los Angeles Directory Co.

908 EVERETT

Year	Uses	Source
1990	THI LE NAM	Pacific Bell
1986	THI LE NAM	Pacific Bell
1981	THI LE NAM	Pacific Telephone
	TRAN LOI DO	Pacific Telephone
1971	Anaya Jesus	Pacific Telephone
	Hernandez Pascula	Pacific Telephone
1967	Kinney Carl E	Pacific Telephone
1962	Kinney Carl E	Pacific Telephone
1942	CALVERT Mary C smstrs	Los Angeles Directory Co.
	COLE Lucy G w id M S	Los Angeles Directory Co.
	Douglas Cath M w id T K	Los Angeles Directory Co.
	Douglas Horace L Dora driver	Los Angeles Directory Co.
	Douglas Leah clk	Los Angeles Directory Co.
	Geeslin Herman Ida mech	Los Angeles Directory Co.
	Geeslin Ida E tel opr PO	Los Angeles Directory Co.
	MURRAY John E Mayme mech	Los Angeles Directory Co.
	Turner Carrie R w id E L	Los Angeles Directory Co.
	VAUGHAN Lillie M w id J T	Los Angeles Directory Co.
	VAUGHAN Wm driver	Los Angeles Directory Co.
1937	NELSON Louise Mrs	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	SHERMAN Wm N Edith restr	Los Angeles Directory Co.
1933	ALLEN John A Lucy	Los Angeles Directory Co.
	Gallegos Jos F Nellie cook	Los Angeles Directory Co.
1929	DUDLEY Russell H Marie	Los Angeles Directory Co.
	LAWLER Pearl Mrs	Los Angeles Directory Co.
	Marquis Margt E asst supvr City Bd of Educ	Los Angeles Directory Co.
	Prudden Mildred G tchr City Sch h	Los Angeles Directory Co.

910 EVERETT

Year	Uses	Source
1986	THAM NAM VAN	Pacific Bell
1981	K	Pacific Telephone
1971	Alcaraz Armando	Pacific Telephone
	Becerra Jesus	Pacific Telephone
	Roman Carlota	Pacific Telephone
1962	Calvert J V Mrs	Pacific Telephone
	Morles Stella	Pacific Telephone
	Vargas Rosa	Pacific Telephone
1942	COLLINS Edith L w id S A	Los Angeles Directory Co.
	COLLINS Jas P Helen mach	Los Angeles Directory Co.
	COLLINS Mae sten	Los Angeles Directory Co.
	Maloney Ethel M w id J A	Los Angeles Directory Co.
	Mc Geachy Alvin A Estella mech SPCo	Los Angeles Directory Co.
	Mc Geachy How ard lab	Los Angeles Directory Co.
	Mc Geachy Lucy clk	Los Angeles Directory Co.
	Tolin Ruth M clk	Los Angeles Directory Co.
	Tolins John E Mary mech	Los Angeles Directory Co.
1937	HANSON John H Sylvia slsmn Broadw ay Dept Store	Los Angeles Directory Co.
	ROBINSON Edw in N gdnr Park Dept	Los Angeles Directory Co.
1933	CRANDALL Ellis bellmn	Los Angeles Directory Co.
1929	CROWLEY MICHL J Agnes Dist Mgr L A Evening Express	Los Angeles Directory Co.
	HAYES A Bert Eliz chef	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	PASCOE Steph stonemldr	Los Angeles Directory Co.
	Sencil Dora M Mrs garmt ftr h	Los Angeles Directory Co.
	Sencil Lucille clk r	Los Angeles Directory Co.

912 EVERETT

Year	Uses	Source
1990	CHUNG KING TONG	Pacific Bell
1986	CHU LIP Y	Pacific Bell
1981	CHU LIP Y	Pacific Telephone
1971	Morales Joe	Pacific Telephone
1962	Roman Carlota	Pacific Telephone
1942	CALVERT Marie w id T M	Los Angeles Directory Co.
	Clubb Earl meat ctr	Los Angeles Directory Co.
	CROWLEY Batty M clk	Los Angeles Directory Co.
	CROWLEY Michl J Agnes slsmn	Los Angeles Directory Co.
	JENKINS Edw W Louise barber	Los Angeles Directory Co.
1937	CROWLEY Michl J Agnes	Los Angeles Directory Co.
	Jenking Earl J slsmn	Los Angeles Directory Co.
1933	YOUNG Mina cash Union Mut Life Ins Co	Los Angeles Directory Co.
1929	BERNARD Cliff C Jeanne tkt slsmn Owl Drug Co	Los Angeles Directory Co.
	SOMERVILLE Nan slsldy r	Los Angeles Directory Co.
	YOUNG Mina M cashr Union Mutual Life Ins Co r	Los Angeles Directory Co.
	YOUNG Wm slsmn h	Los Angeles Directory Co.

921 EVERETT

Year	Uses	Source
1986	YAN CHOI L	Pacific Bell
1981	YAN CHIU	Pacific Telephone
1967	Edel Gay	Pacific Telephone
1962	Pinnock Helen	Pacific Telephone
1942	Marvin Leo A lab	Los Angeles Directory Co.
1929	Mc Clintock Becka w id David	Los Angeles Directory Co.
	Mc Clintock Henry B pntr	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Mc Clintock Henry B painter h	Los Angeles Directory Co.
	Mc Clintock Rebecca w id David h	Los Angeles Directory Co.

923 EVERETT

Year	Uses	Source
1990	YAN MAN H	Pacific Bell
1971	Li Antonio	Pacific Telephone
	Pinnock Helen	Pacific Telephone
1967	Pinnock Helen	Pacific Telephone
1962	Brandt Geo E	Pacific Telephone

924 EVERETT

Year	Uses	Source
1971	Janes Saml M	Pacific Telephone
1967	Janes Saml M	Pacific Telephone
1962	Connelly Rena M	Pacific Telephone
1942	Connelly Dorothy sten	Los Angeles Directory Co.
	Connelly Wm Rena M cattlemn	Los Angeles Directory Co.
1937	CONNELLY Wm Rena cattie buyer	Los Angeles Directory Co.
1933	CONLEY Wm	Los Angeles Directory Co.
1929	CONNELLY Wm M	Los Angeles Directory Co.
1924	CONNELLY Wm cattle buyer h	Los Angeles Directory Co.

927 EVERETT

Year	Uses	Source
1986	HONG GUEK	Pacific Bell
1981	JUNG EDW	Pacific Telephone
1971	Jung Edw	Pacific Telephone
1962	Nunez Lucila	Pacific Telephone
1942	Crigler Robt A trader Akin Lambert Co	Los Angeles Directory Co.
	Malvick Cecil Frances lab	Los Angeles Directory Co.
	PRICE Vernon lab	Los Angeles Directory Co.
1933	MALONE Jesse R Margt A bkpr	Los Angeles Directory Co.
	MALONE Margt A	Los Angeles Directory Co.

Year	Uses	Source
1929	Malicezk Alex Frances barber	Los Angeles Directory Co.
	Maliczek Alex Fannie barber	Los Angeles Directory Co.
1924	h	Los Angeles Directory Co.

930 EVERETT

Year	Uses	Source
1990	BUN HENG	Pacific Bell
	LEE YIU KENG	Pacific Bell
1986	LEE YIU KENG	Pacific Bell
	LEUNG YAN MAN	Pacific Bell
	NGAN KING SHAN	Pacific Bell
	QUAN SHU H	Pacific Bell
1981	CHU SU MAN	Pacific Telephone
	KWAN CHING YUET	Pacific Telephone
	LEE ALAN	Pacific Telephone
	LEE TSIAG & SHIU	Pacific Telephone
	LEE YIU KENG	Pacific Telephone
	LUNG SUSAN L	Pacific Telephone
1942	GOLDMAN Henry Malvina lab	Los Angeles Directory Co.
	GOLDMAN Herman mech	Los Angeles Directory Co.
1937	Weiner Abr tailor	Los Angeles Directory Co.
	WHITE Jack Elsie tailor	Los Angeles Directory Co.
1933	WHITE Himan slsmn	Los Angeles Directory Co.
	WHITE Jacob Rose tailor	Los Angeles Directory Co.
1929	Steingert Morris florist r	Los Angeles Directory Co.
	WHITE Jacob Y Rose tailor	Los Angeles Directory Co.
	h	Los Angeles Directory Co.
1924	h	Los Angeles Directory Co.

931 EVERETT

Year	Uses	Source
1990	CHAVEZ W B	Pacific Bell
1986	CHAVEZ W B	Pacific Bell
1981	CHAVEZ W B	Pacific Telephone

FINDINGS

Year	Uses	Source
1971	Chavez W B	Pacific Telephone
1967	Chavez W B	Pacific Telephone
1942	Dorchester Harry Hattie mach	Los Angeles Directory Co.
1937	KENT Lloyd R Helen pntr	Los Angeles Directory Co.
	Manley Natalie Mrs w aiter	Los Angeles Directory Co.
1933	Kotsch Aug Georgia printer	Los Angeles Directory Co.
	Kotsch Hildreth L tchr	Los Angeles Directory Co.
1929	Kotsch Aug Georgia printer	Los Angeles Directory Co.
	Kotsch Hildreth L tchr	Los Angeles Directory Co.
1924	Kotsch Aug printer h	Los Angeles Directory Co.
	Kotsch Hildreth tchr r	Los Angeles Directory Co.

933 EVERETT

Year	Uses	Source
1990	OROSCO TERESA G	Pacific Bell
1986	OROSCO TERESA G	Pacific Bell
1981	OROSCO TERESA G	Pacific Telephone
1971	Darr Ona S	Pacific Telephone
	Orosco Teresa G	Pacific Telephone
1967	Orosco Teresa G	Pacific Telephone
1962	Orosco Teresa G	Pacific Telephone
1942	Cooley Joyce D Mrs ofc sec Executives Assn of L A	Los Angeles Directory Co.
	CORDOVA Fred A Cath mech	Los Angeles Directory Co.
	HOWELL Jas W lab	Los Angeles Directory Co.
	HOWELL Jessie E w id T M	Los Angeles Directory Co.
1937	CHAVEZ Wm B Estelle mgr Geo Surprenant	Los Angeles Directory Co.
	Grassini Emil Rosina tailor	Los Angeles Directory Co.
1933	Bundy Josephine clk Co Assessor	Los Angeles Directory Co.
	Capetillo Jonnie Mrs dep Co Clerk	Los Angeles Directory Co.
1929	BUNDY Josephine depy Co Assessor	Los Angeles Directory Co.
	Capetillo Jennie Mrs depy Co Clk	Los Angeles Directory Co.
	PARK Willard M Mrs	Los Angeles Directory Co.
	PARKS C W slsmn	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Hye Leo slev opr r	Los Angeles Directory Co.
	Hye Thos F slsmn h	Los Angeles Directory Co.
	Vivian Edmund insp L A Gas & Elec Corp h	Los Angeles Directory Co.

934 EVERETT

Year	Uses	Source
1990	LIM JU HONG	Pacific Bell
	LY HOC LAY	Pacific Bell
	MA JU ZHEN	Pacific Bell
	TAING SENG SUY	Pacific Bell
1986	CHIU TZE-SHEUNG	Pacific Bell
	DICH LICH MANH	Pacific Bell
	FONG SHUI BUN	Pacific Bell
	LIM JU HONG	Pacific Bell
	TAING SENG SUY	Pacific Bell
	THAI CAO	Pacific Bell
1981	CHIU TZE SHEUNG	Pacific Telephone
	DICH MANH LICH	Pacific Telephone
	FONG SHUI BUN	Pacific Telephone
	HOANG MAN LAY	Pacific Telephone
	LIM JU HONG	Pacific Telephone
	LUONG QUANG	Pacific Telephone
	THAI CAN	Pacific Telephone
1971	De La Torre Roberto	Pacific Telephone
	Padiangan Raymond	Pacific Telephone
	Quon Larry Yet	Pacific Telephone
	Woo Wing	Pacific Telephone
1967	Aguirre Ernesto	Pacific Telephone
	Bracero Abel	Pacific Telephone
	Dreher Henry F	Pacific Telephone
	Dreher Minnie	Pacific Telephone
	Quon Larry Yet	Pacific Telephone
1962	Rado Anna	Pacific Telephone

FINDINGS

Year	Uses	Source
1942	Rado John tailor	Los Angeles Directory Co.
1937	Rado Henry J clk	Los Angeles Directory Co.
	Rado John Anna tailor Sidney Radom	Los Angeles Directory Co.
1933	Rado Albt Anna clo clnr	Los Angeles Directory Co.
	Rado Anna Mrs clo clnr	Los Angeles Directory Co.
	Rado Henry clk	Los Angeles Directory Co.
1929	Rado John Anna chiropractor h	Los Angeles Directory Co.
	Rado John tailor r	Los Angeles Directory Co.
1924	Rado John tailor h	Los Angeles Directory Co.
	Ruigg Gustav clk r	Los Angeles Directory Co.

908 3/4 EVERETT

Year	Uses	Source
1990	DONG VAN MINH	Pacific Bell

910 1/2 EVERETT

Year	Uses	Source
1990	YEE NGAN YAU	Pacific Bell

910 1/4 EVERETT

Year	Uses	Source
1986	LEE CHOOK C	Pacific Bell
1981	LEE CHOOK C	Pacific Telephone

910 3/4 EVERETT

Year	Uses	Source
1990	TO QUANG QUAN	Pacific Bell

912 1/2 EVERETT

Year	Uses	Source
1986	VU DAT MANH	Pacific Bell

923 1/2 EVERETT

Year	Uses	Source
1986	CHUNG NU TO	Pacific Bell
1981	CHEN MON N	Pacific Telephone

FINDINGS

932 1/2 EVERETT

Year	*Uses*	*Source*
1986	YEE CHUN KWAI	Pacific Bell

933 1/2 EVERETT

Year	*Uses*	*Source*
1990	REYES MELISSA	Pacific Bell

935 1/2 EVERETT

Year	*Uses*	*Source*
1990	KELLER D P	Pacific Bell

EVERETT ST

900 EVERETT ST

Year	*Uses*	*Source*
1976	Ho Sum	Pacific Telephone
1958	Shylenko Wolodymyr	Pacific Telephone

902 EVERETT ST

Year	*Uses*	*Source*
2005	ARTURO GONZALEZ	Cole Information

904 EVERETT ST

Year	*Uses*	*Source*
2005	BOONYING PHAIRAT	Cole Information

905 EVERETT ST

Year	*Uses*	*Source*
2000	SALVIE MANGENTE	Cole Information

906 EVERETT ST

Year	*Uses*	*Source*
2000	XXXX	Haines & Company
1976	Nu Tsal Shu	Pacific Telephone

908 EVERETT ST

Year	*Uses*	*Source*
2014	MICHAEL STANKEVICH	Cole Information

FINDINGS

Year	Uses	Source
2014	VAN DONG	Cole Information
	FREDERICK DARBY	Cole Information
	OCCUPANT UNKNOWN	Cole Information
	JENNIFER HERNANDEZ	Cole Information
2010	VAN DONG	Cole Information
	OCCUPANT UNKNOWN	Cole Information
	FREDERICK DARBY	Cole Information
	MARINA RAMIREZ	Cole Information
	ARTURO SANTOS	Cole Information
2006	DONGVan Minh	Haines Company, Inc.
2005	VAN DONG	Cole Information
	SALVADOR MUNOZ	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2000	THONG NGUYEN	Cole Information
	VAN DONG	Cole Information
	DONG Van Minh	Haines & Company
	NGUYEN Thong V	Haines & Company
	TRAN Hoanh V	Haines & Company
1995	DONG, VAN M	Cole Information
	PHAM, TONY	Cole Information
1976	Guillen Guadalupe	Pacific Telephone
1958	Kinney Carl E	Pacific Telephone
1951	Everett Bragg Harry M r	Pacific Telephone & Telegraph Co.
	Everett Murray David r	Pacific Telephone & Telegraph Co.
	Everett Kinney Carl r	Pacific Telephone & Telegraph Co.
	Everett Vaughan Lillie M r	Pacific Telephone & Telegraph Co.

910 EVERETT ST

Year	Uses	Source
2014	JENNIFER BURNET	Cole Information
	ADAM LEACH	Cole Information
	CHRISTINA MCCLENDON	Cole Information
	BRENDA CAHILL	Cole Information

FINDINGS

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2010	ANABELLE HERNANDEZ	Cole Information
	JENNIFER BURNET	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2006	1/a TAKAHASHI Kazuyuh I	Haines Company, Inc.
2005	HUEY GAOU	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2000	LUIS OCAMPO	Cole Information
	a 1/2 OCAMPO Luis Ramon	Haines & Company
1995	YEE, NGAN Y	Cole Information
1992	YEE, NGAN Y	Cole Information
1976	Lee Kin Yee	Pacific Telephone
	Roman Carlota	Pacific Telephone
1958	Gutierrez Sara	Pacific Telephone
	Lopez Estella	Pacific Telephone
1951	Everett Calvert J V Mrs r	Pacific Telephone & Telegraph Co.
	Everett Bemis Jay W Sr r	Pacific Telephone & Telegraph Co.
	Everett Root E W r	Pacific Telephone & Telegraph Co.

912 EVERETT ST

Year	Uses	Source
2014	RICARDO GARCIA	Cole Information
	SIGIFREDO GONZALEZ	Cole Information
2010	GEORGINA LEAL	Cole Information
2000	RICARDO GARCIA	Cole Information
	GARCIA Ricardo G	Haines & Company
1995	LIU, THI N	Cole Information
1976	Jenkins L O	Pacific Telephone
	Rojas Librada	Pacific Telephone

917 EVERETT ST

Year	Uses	Source
1958	Genteno Raul	Pacific Telephone
	Centeno Mike	Pacific Telephone

FINDINGS

920 EVERETT ST

Year	Uses	Source
2020	KHINN UNG	EDR Digital Archive
2014	PHATTAMA BUNIN	Cole Information
2010	PIRATRA ROONGRAWEE	Cole Information
	SENG LIV	Cole Information
2006	LIVSeng	Haines Company, Inc.
2005	KRIT PONG	Cole Information
	SANDY TAN	Cole Information
	AHINGHAGA THONGCHAI	Cole Information
	SENG LIV	Cole Information
	SON PHAM	Cole Information
	YING CAO	Cole Information
2000	CHOW Robert	Haines & Company
1995	SANTANA, WILMA	Cole Information
1951	Everett Acosta John L r	Pacific Telephone & Telegraph Co.

921 EVERETT ST

Year	Uses	Source
2020	CHOI YAN	EDR Digital Archive
2014	CHOI YAN	Cole Information
2006	SANGTHONG Chanda	Haines Company, Inc.
2005	PONGSAWAN PHANTHAWONG	Cole Information
2000	CHUI Kuen	Haines & Company
1995	OCCUPANT UNKNOWNN	Cole Information
1992	HUANG, ZHU Q	Cole Information
1976	Mc Cauley John	Pacific Telephone

923 EVERETT ST

Year	Uses	Source
2014	KARL ZICKRICK	Cole Information
	ANDREW SCARBOROUGH	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
	HENG LY	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information

Year	Uses	Source
2005	PEK LEE	Cole Information
2000	KIM Khoeur	Haines & Company
	a 1/2 LEE Pek Kien	Haines & Company
1995	KIM, KHOEUR	Cole Information
1976	Lee Wing Chi	Pacific Telephone

924 EVERETT ST

Year	Uses	Source
2020	ANASTASIA NAVARRO	EDR Digital Archive
	TRINA MORRIS	EDR Digital Archive
	RUI HUANG	EDR Digital Archive
2014	ROSA TRUJILLO	Cole Information
	NICOLE BUTTS	Cole Information
	JAY HUANG	Cole Information
2010	ISMAEL VAZQUEZ	Cole Information
	ANASTOSIO NAVARO	Cole Information
	CHRIS CLEMENTE	Cole Information
	RUI HUANG	Cole Information
2006	HUANG Rui	Haines Company, Inc.
2005	DANNY PHAM	Cole Information
	RUI HUANG	Cole Information
2000	LOK George	Haines & Company
1995	TRAN, THANH D	Cole Information
	MEJIA, FELIPE A	Cole Information
	GARNER, WILLIAM J JR	Cole Information
1992	DURAN, MARIA C	Cole Information
	MAYORGA, MARINA E	Cole Information
	MEJIA, FELIPE A	Cole Information
1976	Urbina Beatrice	Pacific Telephone
1951	Everett Connelly Rena M	Pacific Telephone & Telegraph Co.

927 EVERETT ST

Year	Uses	Source
2014	MARIA RODRIGUEZ	Cole Information

Year	Uses	Source
2010	MARIA RODRIGUEZ	Cole Information
2006	RODRIGUEZMara G	Haines Company, Inc.
2005	MARIA RODRIGUEZ	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1976	Jung Edw	Pacific Telephone
1958	Nunez Lucila	Pacific Telephone

930 EVERETT ST

Year	Uses	Source
2020	MARIA KONG	EDR Digital Archive
2014	YI WAI	Cole Information
	HUNG LU	Cole Information
	CHAK HO	Cole Information
2010	CSANTS ANOMA	Cole Information
	FAI LIM	Cole Information
	YI WAI	Cole Information
	HUNG LU	Cole Information
	CHAK HO	Cole Information
	ALVIN YEE	Cole Information
2006	LIM Fai	Haines Company, Inc.
	LU Lan Hue	Haines Company, Inc.
	WAIYi Lam	Haines Company, Inc.
2005	MATTA PHONGZURIYANUN	Cole Information
	YI WAI	Cole Information
	KEVIN TRAN	Cole Information
	LAN LU	Cole Information
2000	LAN LU	Cole Information
	CHUN Kw ai	Haines & Company
	LU Lan Hue	Haines & Company
1995	TANG, SIV	Cole Information
	SITU, WEN G	Cole Information
	WOO, P L	Cole Information
	CHUN, KWAI T	Cole Information

FINDINGS

Year	Uses	Source
1995	CHAN, ALICE C	Cole Information
1992	TANG, SIV	Cole Information
1976	Chan Wicky Tak Fu	Pacific Telephone
	Wong Wilfredo	Pacific Telephone
1958	Sutin Lena	Pacific Telephone
1951	Evrt Pun To Lock r	Pacific Telephone & Telegraph Co.
	Everett Sutin Lena r	Pacific Telephone & Telegraph Co.

931 EVERETT ST

Year	Uses	Source
2005	ESTELLE CHAVEZ	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1976	Chavez W B	Pacific Telephone
1951	Everett Chavez W B r	Pacific Telephone & Telegraph Co.

932 EVERETT ST

Year	Uses	Source
2014	ALVIN YEE	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2010	KWAI CHUN	Cole Information
	PONGSAWAN PHANTHAWONG	Cole Information
2005	KWAI CHUN	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1976	Yee Kay Wah	Pacific Telephone
1958	Montenegro Lucas	Pacific Telephone
1951	Evrett Wong Lee	Pacific Telephone & Telegraph Co.
	Evrett Wong Lee	Pacific Telephone & Telegraph Co.

933 EVERETT ST

Year	Uses	Source
2020	MATT WARNOCK	EDR Digital Archive
2014	MATT WARNOCK	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information

FINDINGS

Year	Uses	Source
2006	OROSCOTeresa G	Haines Company, Inc.
2000	OROSCO Teresa G	Haines & Company
	TERESA OROSCO	Cole Information
1995	OROSCO, TERESA G	Cole Information
1992	OROSCO, TERESA G	Cole Information
1976	Nuno Jose Luis	Pacific Telephone
	Orosco Teresa G	Pacific Telephone
1958	Foster Billie	Pacific Telephone
	Orosco Teresa G	Pacific Telephone
1951	Everett Diamond Robt r	Pacific Telephone & Telegraph Co.
	Everett De Leon Olga D r	Pacific Telephone & Telegraph Co.

934 EVERETT ST

Year	Uses	Source
2020	NEWLON ROUGE LLC	EDR Digital Archive
	CINDY GUTIERRES	EDR Digital Archive
	CONG HY	EDR Digital Archive
	MARTA ANDRADE	EDR Digital Archive
2014	BOB VORA	Cole Information
	ALFREDO ANDRADE	Cole Information
	VEERAYUT SRIMUANG	Cole Information
	CONG HY	Cole Information
2010	VEWATT LUANGFUANGTHONG	Cole Information
	SALVADOR GUTIERREZ	Cole Information
	DELFIN QUINTERO	Cole Information
	ALFREDO ANDRADE	Cole Information
	VEERAYUT SRIMUANG	Cole Information
2006	APARTMENTS	Haines Company, Inc.
	ANDRADEAHfredo	Haines Company, Inc.
	LUANGFUANGTHON	Haines Company, Inc.
	Vew att	Haines Company, Inc.
	QUINTERO D	Haines Company, Inc.
	SAELEEJohn	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	SRIMUANG Veerayut	Haines Company, Inc.
	WANAPHORPhalsak	Haines Company, Inc.
2005	JOHN SAELEE	Cole Information
	DELFINA QUINTERO	Cole Information
	SALVADOR GUTIERREZ	Cole Information
	ALFREDO ANDRADE	Cole Information
	VEERAYUT SRIMUANG	Cole Information
	PHAISAK WANAPHOR	Cole Information
2000	CARPIO Jose	Haines & Company
	LIM Hong	Haines & Company
	JOSE CARPIO	Cole Information
	F NOVELO	Cole Information
	HONG LIM	Cole Information
1995	MANZANO, A	Cole Information
	SIU, LUNG Y	Cole Information
1992	TAING, SENG S	Cole Information
	HANG, K	Cole Information
1976	Carrillo Esther M	Pacific Telephone
	Chen Dick H	Pacific Telephone
	Chiu Tze Sheung	Pacific Telephone
	Ho Dang Van	Pacific Telephone
1958	Rado Anna	Pacific Telephone
1951	Everett Rado Anna r	Pacific Telephone & Telegraph Co.

935 EVERETT ST

Year	Uses	Source
1951	Everett Gomez Soledad r	Pacific Telephone & Telegraph Co.
	Everett Fischer C J r	Pacific Telephone & Telegraph Co.

937 EVERETT ST

Year	Uses	Source
2006	TORRES Alfonso	Haines Company, Inc.
2000	TORRES Alfonso	Haines & Company
1976	Fernandez A	Pacific Telephone

FINDINGS

MARION AVE

1100 MARION AVE

Year	Uses	Source
2000	C ISSARANGGURA	Cole Information

1102 MARION AVE

Year	Uses	Source
2005	LEUNG SOOHOO	Cole Information

1105 MARION AVE

Year	Uses	Source
2000	OCCUPANT UNKNOWN	Cole Information

1109 MARION AVE

Year	Uses	Source
2000	DENNIS SPEARING	Cole Information

1110 MARION AVE

Year	Uses	Source
1967	Portolri John	Pacific Telephone
1962	Portoluri John	Pacific Telephone
1958	Portoluri John	Pacific Telephone
1951	Marion Av Portoluri John r	Pacific Telephone & Telegraph Co.
1942	PROTHERO Guy P	Los Angeles Directory Co.
1937	Balchen Gustave E cbtmkr	Los Angeles Directory Co.
	Snow Chas A carp	Los Angeles Directory Co.
	VAN DUSEN W J Christine evangelist	Los Angeles Directory Co.
1929	Grover Annie M	Los Angeles Directory Co.
	WALLIN Christina Mrs r	Los Angeles Directory Co.
1924	Costigan W G h	Los Angeles Directory Co.
	Grover Anna r	Los Angeles Directory Co.

1111 MARION AVE

Year	Uses	Source
2020	HOR TAING	EDR Digital Archive
	KIM TAING	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	HOR TAING	Cole Information
	DANIEL LANE	Cole Information
2010	HOR TAING	Cole Information
	ANGIE LACERENZA	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2006	TAINGHor	Haines Company, Inc.
2005	HOR TAING	Cole Information
	KHENG THAI	Cole Information
2000	TAING Hor	Haines & Company
	a 1/2 THAI Kheng C	Haines & Company
	KHENG THAI	Cole Information
1995	THAI, KHENG C	Cole Information
1992	CHANG, YIKKEK	Cole Information
	THAI, KHENG C	Cole Information
1990	CHANG YIKKEK	Pacific Bell
1986	CHANG YIKKEK	Pacific Bell
1981	CHANG YIKKEK	Pacific Telephone
1976	Perez Conception	Pacific Telephone
	Valencia Angela	Pacific Telephone
1958	Glass Coetta	Pacific Telephone
1951	Marion Av Glass Coetta r	Pacific Telephone & Telegraph Co.
1942	Havey Grace Mrs	Los Angeles Directory Co.
	Petillo Jerry Concetta barber	Los Angeles Directory Co.
1937	KELLEY Chas Clara pntr	Los Angeles Directory Co.
	Mc CARTHY John Evelyn chauf	Los Angeles Directory Co.
1929	Mc LAUGHLIN Marjory hostess	Los Angeles Directory Co.
1924	Campbell Alice Mrs r	Los Angeles Directory Co.
	CAMPBELL Elmer E agt h	Los Angeles Directory Co.
	Madison Dolas steno r	Los Angeles Directory Co.

1112 MARION AVE

Year	Uses	Source
2020	ANGELIA AMAYA	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	CHARLES POTTS	EDR Digital Archive
	MARY MCCOY	EDR Digital Archive
2014	MARY MCCOY	Cole Information
2006	BARRAZA Pedro	Haines Company, Inc.
2005	CATHY RASCON	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
	ANGULO Alex	Haines & Company
1995	ABREU, ALICE	Cole Information
1951	Marion Av Angulo Alex r	Pacific Telephone & Telegraph Co.
1942	Peacock Mary R w id T B	Los Angeles Directory Co.
1937	Peacock Mary R Mrs	Los Angeles Directory Co.
1924	PEACOCK Thos B slsmn Hercules Gasolino Co h	Los Angeles Directory Co.

1113 MARION AVE

Year	Uses	Source
2014	EAM TAING	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2010	EAM TAING	Cole Information
	JOHN KNUTH	Cole Information
	TAYLOR JACOBSON	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2006	TAINGEam	Haines Company, Inc.
	VUONG Nam V	Haines Company, Inc.
2005	NAM VUONG	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2000	NAM VUONG	Cole Information
	VUONG Nam V 213 25 Q 2222	Haines & Company
	a 1/2 TAING Eam 213 4 B	Haines & Company
1995	TAING, EAM	Cole Information
	VUONG, NAM V	Cole Information
1951	Marion Av Poitevin Marie Mme	Pacific Telephone & Telegraph Co.
	Marion Av Wixen Aron r	Pacific Telephone & Telegraph Co.
1942	Carlzane Ernest Florence asst elev dir	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	Goldw ater Harry Pearl tailor	Los Angeles Directory Co.
1929	Bier Evelyn	Los Angeles Directory Co.
	Bir Evelyn Eureka Coffee Shop	Los Angeles Directory Co.
	Haskin Edith G phone opr	Los Angeles Directory Co.
	Tritschler Clara Eureka Coffee Shop r	Los Angeles Directory Co.
	Tritzler Clara Mrs h	Los Angeles Directory Co.
	Wiggins Ora Eureka Coffee Shop r	Los Angeles Directory Co.
1924	Mellenson Blanch Mrs r	Los Angeles Directory Co.
	PARKER Armerelia steno r	Los Angeles Directory Co.
	PARKER Mildred steno h	Los Angeles Directory Co.

1115 MARION AVE

Year	Uses	Source
1924	HODGES Edw d T slsmn H H Calver & Co r	Los Angeles Directory Co.

1116 MARION AVE

Year	Uses	Source
2020	KEITH FENIMORE	EDR Digital Archive
	JENNIFER DEINES	EDR Digital Archive
	KAITY LICINA	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
	JILLEAN TUCKER	Cole Information
	JENNIFER DEINES	Cole Information
	NESTOR MORALES	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
	FIDEL GOMEZ	Cole Information
	NESTOR MORALES	Cole Information
2006	CASTILLO Bonifacdo	Haines Company, Inc.
2005	OCCUPANT UNKNOWN	Cole Information
	MICHELLE VIDAL	Cole Information
	KEITH FENIMORE	Cole Information
2000	ANGELES PEREZ	Cole Information
	NESTOR MORALES	Cole Information
	CABICO Amparo	Haines & Company

FINDINGS

Year	Uses	Source
2000	MORALES Nestor	Haines & Company
	a 1/2 PEREZ Angeles	Haines & Company
1995	DUEBER, JEROME	Cole Information
	MORALES, NESTOR	Cole Information
1990	CHRIN KY	Pacific Bell
	ESPINOSA AURTURO	Pacific Bell
1986	OV HONG LIM	Pacific Bell
1981	ALEJO TIMOTEO JR	Pacific Telephone
1976	Curiel Francisca	Pacific Telephone
	Valverde Guadalope	Pacific Telephone
1962	Accornero S	Pacific Telephone
1951	Marion Av Accornero S r	Pacific Telephone & Telegraph Co.
1942	Accornero Louis	Los Angeles Directory Co.
	Accornero Secondo Adela billiards	Los Angeles Directory Co.
1937	Accornero Secondo Adela beer	Los Angeles Directory Co.
1929	Acconero Secundo Adela Accomero & Vinassa	Los Angeles Directory Co.
	Iannarone Eug Mary E barber	Los Angeles Directory Co.
1924	HODGES Edw d h	Los Angeles Directory Co.
	HODGES W S r	Los Angeles Directory Co.
	Kakeldey Fredk h	Los Angeles Directory Co.
	SMITH Max h	Los Angeles Directory Co.

1117 MARION AVE

Year	Uses	Source
2000	JOSE MARTINEZ	Cole Information
1929	Belletich Angels lab	Los Angeles Directory Co.
	Belletich Josephine M	Los Angeles Directory Co.
	Camival Ernest Mattie tailor	Los Angeles Directory Co.
	Dracovich Vincent Margt barber	Los Angeles Directory Co.
	ENGLISH Elroy F msngr	Los Angeles Directory Co.
1924	MERCER Harry D printer h	Los Angeles Directory Co.
	MERCER Mary L Mrs r	Los Angeles Directory Co.

FINDINGS

1118 MARION AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
	KALI HEITHOLT	Cole Information
2010	AMY MCCABE	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	URIEL ARREOLA	Cole Information
	TORRES Ricardo	Haines & Company
1995	OCCUPANT UNKNOWNN	Cole Information
1986	TRAM THANH	Pacific Bell
1976	Barba Segundino	Pacific Telephone
	Lopez Rosalina	Pacific Telephone
1958	Christian Victoria	Pacific Telephone
1951	Marion Av Christian Victoria r	Pacific Telephone & Telegraph Co.
1942	CHRISTIAN Victoria boxmkr	Los Angeles Directory Co.
	MORENO Paul boxmkr	Los Angeles Directory Co.
1937	CHRISTIAN Victoria boxmkr	Los Angeles Directory Co.
1929	Vitale Alex F Anna chauf h	Los Angeles Directory Co.

1119 MARION AVE

Year	Uses	Source
2020	FU WEI	EDR Digital Archive
	PING HUI	EDR Digital Archive
	WEI XIE	EDR Digital Archive
	LINDA XIE	EDR Digital Archive
2014	WEI XIE	Cole Information
2010	WEI XIE	Cole Information
2006	WEIFu	Haines Company, Inc.
	XI E LI Zhen	Haines Company, Inc.
	XIEWF	Haines Company, Inc.
2005	WEI XIE	Cole Information
2000	W XIE	Cole Information
	WEI Fu	Haines & Company
	XIE W F	Haines & Company

FINDINGS

Year	Uses	Source
2000	XIE Zhe	Haines & Company
1995	XIE, ZHE	Cole Information
1990	MATHIEU B J	Pacific Bell
1986	MATHIEU B J	Pacific Bell
1981	MATHIEU B J	Pacific Telephone
1976	Mathieu Josephine	Pacific Telephone
1962	Mathieu Philippe	Pacific Telephone
1958	Malhieu Philippe	Pacific Telephone
1951	Marion Av Mathieu Philippe r	Pacific Telephone & Telegraph Co.
1942	Ferrand Bertha Mrs	Los Angeles Directory Co.
	Mathieu Alice slsw n	Los Angeles Directory Co.
	Mathieu Philippe Josephine	Los Angeles Directory Co.
1937	Mathieu Alice	Los Angeles Directory Co.
	Mathieu Philippe Josephine	Los Angeles Directory Co.
1929	Cantw ell Jessie M sten	Los Angeles Directory Co.
	Dahlberg Jas Katy mech	Los Angeles Directory Co.
	Mathew Alice	Los Angeles Directory Co.
	Mathew Bertha	Los Angeles Directory Co.
	Mathew Philip	Los Angeles Directory Co.
	Prysoch Josie H sten r	Los Angeles Directory Co.
1924	Beltran Lucille telep opr h	Los Angeles Directory Co.
	BROWN Alice M clk r	Los Angeles Directory Co.
	BROWN Alice M steno r	Los Angeles Directory Co.
	BROWN Ella h	Los Angeles Directory Co.
	BROWN Florence E steno r	Los Angeles Directory Co.

1120 MARION AVE

Year	Uses	Source
2020	CYNTHIA ZAVALA	EDR Digital Archive
	JUANA ZAVALA	EDR Digital Archive
	MARIA ZAVALA	EDR Digital Archive
	ANA ZAVALA	EDR Digital Archive
	FRANCISCO ZAVALA	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	RICHARDO ZAVALA	EDR Digital Archive
2014	R DELGADO	Cole Information
	OCCUPANT UNKNOWN	Cole Information
	RICARDO ZAVALA	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
	RICARDO ZAVALA	Cole Information
2006	ZAVALARlcado	Haines Company, Inc.
2005	OCCUPANT UNKNOWN	Cole Information
	RICARDO ZAVALA	Cole Information
2000	ZAVALA Ricardo	Haines & Company
1995	OCCUPANT UNKNOWNN	Cole Information
1990	BURGOS EDUVIGES	Pacific Bell
1986	UM MONY	Pacific Bell
1981	PHUNG DUC DAO	Pacific Telephone
1951	Marion Av Lombardo Felice r	Pacific Telephone & Telegraph Co.
1942	Elder Alvin W game management agt U S Fish and Wild Life Service	Los Angeles Directory Co.
	GAGE Wm B Sara slsmn BD Co	Los Angeles Directory Co.
	Lombardo Felice Erminia	Los Angeles Directory Co.
	Vivalda Joe Little Joes Italian Restaurant pres Italian American Grocery Co and Cafe Apollo Co Inc	Los Angeles Directory Co.
1937	LOMBARDO Felice Erminia restrw kr	Los Angeles Directory Co.
	Vivalda Joe Gadeschi Borgogna & Vivalda pres Italian American Gro Co	Los Angeles Directory Co.
1933	Vicalda Jos Italian American Gro	Los Angeles Directory Co.
1929	Lombardo Felice Armenia meat ctr	Los Angeles Directory Co.
1924	Corrette Joe tailor r	Los Angeles Directory Co.
	Ranuca A r	Los Angeles Directory Co.
	Serota Jos h	Los Angeles Directory Co.
	Vonacena F r	Los Angeles Directory Co.

1121 MARION AVE

Year	Uses	Source
2020	LAURIE WOOLERY	EDR Digital Archive

Year	Uses	Source
2014	JOSEPH UBL	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information

1122 MARION AVE

Year	Uses	Source
2000	OCCUPANT UNKNOWN	Cole Information

1123 MARION AVE

Year	Uses	Source
2020	JOSEPH UBL	EDR Digital Archive
	LAURIE WOOLERY	EDR Digital Archive
2014	AMELIA BECKER	Cole Information

1124 MARION AVE

Year	Uses	Source
2020	LAUREL BROUGHTON	EDR Digital Archive
	ALYSSA LAVINE	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
2010	JAKUBECY SHARON	Cole Information
	OCCUPANT UNKNOWN	Cole Information
	CHRISTINA WILLOUGHBY	Cole Information
2006	WILLOUGHBY	Haines Company, Inc.
	Christna	Haines Company, Inc.
2005	VINCENT YAN	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2000	DA LI	Cole Information
	TOY Eddie	Haines & Company
	a 1/2 U Da Min	Haines & Company
1995	OCCUPANT UNKNOWNN	Cole Information
1992	LUONG, QUYNH H	Cole Information
1976	Wong Yock D	Pacific Telephone
1951	Marion Av	Pacific Telephone & Telegraph Co.
	Reesberg Clara M r	Pacific Telephone & Telegraph Co.
	Marion Av Schw artz Nettie r	Pacific Telephone & Telegraph Co.

FINDINGS

Year	Uses	Source
1951	Marion Av Farrar Ethel M r	Pacific Telephone & Telegraph Co.
	Marion Av Miller Minnie r	Pacific Telephone & Telegraph Co.
1942	FARRAR Chas Ethel M barber	Los Angeles Directory Co.
	FARRAR Ethel M Mrs clk CHC	Los Angeles Directory Co.
	Kaminsky Rose Mrs clo clnr	Los Angeles Directory Co.
	LEVINSON David J genl mgr Houston Corp	Los Angeles Directory Co.
	LEVINSON Louis Lee	Los Angeles Directory Co.
	Wixen Aaron Tany	Los Angeles Directory Co.
1937	de Kolty Elise clk	Los Angeles Directory Co.
	de Kolty Jean C Helen M	Los Angeles Directory Co.
	Wizen Aaron Tillie junk	Los Angeles Directory Co.
	Wizen Isader lab	Los Angeles Directory Co.
1933	Rochette Thos P mach	Los Angeles Directory Co.
1929	BENSON Alf E slsmn F F Jamison	Los Angeles Directory Co.
	BENSON Annie phone opr	Los Angeles Directory Co.
	BENSON Belle w id A O	Los Angeles Directory Co.
	BENSON How ard W clk	Los Angeles Directory Co.
	Rochetto Thos lab r	Los Angeles Directory Co.
1924	Benson Alfd E slsmn J E Coberly Co r	Los Angeles Directory Co.
	BENSON Anna r	Los Angeles Directory Co.
	BENSON Arthur S millw right r	Los Angeles Directory Co.
	BENSON Belle Mrs h	Los Angeles Directory Co.
	BENSON How ard W clk r	Los Angeles Directory Co.
	BENSON Lyman B r	Los Angeles Directory Co.
	DUNHAM Lillian Mrs h	Los Angeles Directory Co.
	JENSION Jos J r	Los Angeles Directory Co.
	Silverman Hyman designer Pao Skirt Co r	Los Angeles Directory Co.
	Whitney Kate Mrs r	Los Angeles Directory Co.

1125 MARION AVE

Year	Uses	Source
2020	XI SITU	EDR Digital Archive
	SHU XIE	EDR Digital Archive

FINDINGS

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
	XI SITU	Cole Information
	TAK SOOHOO	Cole Information
	SHU XIE	Cole Information
	SHAN XI	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
	TAK SOOHOO	Cole Information
	SHAN XI	Cole Information
2006	XI Shan	Haines Company, Inc.
	Vi SOOHOOTak	Haines Company, Inc.
2005	SHAN XI	Cole Information
2000	LEUNG SOOHOO	Cole Information
	SHAN XI	Cole Information
	XI Shan	Haines & Company
	ZHOU Yug In	Haines & Company
	a 1/2 SOOHOO Leung	Haines & Company
1995	XI, SHAN S	Cole Information
	SOOHOO, LEUNG	Cole Information
	TE, CHHIV	Cole Information
1992	SITO, CHAO X	Cole Information
	SOOHOO, LEUNG	Cole Information
1990	SOO HOO LEE	Pacific Bell
1986	TSUI FLORENCE	Pacific Bell
1981	QUACH THINH DUC	Pacific Telephone
1958	Oka Naoki	Pacific Telephone
1951	Marion Av Oka Naoki r	Pacific Telephone & Telegraph Co.
1942	Valsdes Gregurio Elena musician	Los Angeles Directory Co.
1937	PEREA Julia w rapper	Los Angeles Directory Co.
	SANCHEZ Encarnarcic	Los Angeles Directory Co.

1126 MARION AVE

Year	Uses	Source
2014	REMBERTO CARBAJAL	Cole Information

FINDINGS

Year	Uses	Source
2010	REMBERTO CARBAJAL	Cole Information
2006	No Current Listing	Haines Company, Inc.
2005	SALVADOR MORAN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
	XXXX	Haines & Company
1995	SAO, SOPHAT	Cole Information
1992	POEUNG, SAN K	Cole Information
1990	POEUNG SAN KIM	Pacific Bell
1986	CHAU YONG S	Pacific Bell
1951	Marion Av Christopher Julia C r	Pacific Telephone & Telegraph Co.
1942	CHRISTOPHER Julia C	Los Angeles Directory Co.
1937	Rosene Tobert F Billie chauf	Los Angeles Directory Co.
1929	Husted Eunice F sten	Los Angeles Directory Co.
	HUSTED Leona M Mrs smstrs	Los Angeles Directory Co.
1924	Greenbach Harry h	Los Angeles Directory Co.
	Greenberg Harry Pacific Skirt Co h	Los Angeles Directory Co.
	HERMAN Sadie r	Los Angeles Directory Co.

1127 MARION AVE

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
2005	CHUN SITU	Cole Information
2000	CECILIA GHALAMBOR	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	SOOHOO, LEUNG	Cole Information
1976	Valadez Elena	Pacific Telephone
1942	Moreno Albt H	Los Angeles Directory Co.
	Ruiz Emilia Mrs	Los Angeles Directory Co.
	RUIZ Pete Delfina billiards	Los Angeles Directory Co.
	Sanchez Alesio C	Los Angeles Directory Co.
1937	MORENO Albt H clk	Los Angeles Directory Co.
1929	Crusell Leslie baker	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	KOHLER Brunhilda M	Los Angeles Directory Co.
	KOHLER Marie w id Karl	Los Angeles Directory Co.
	SANCHEZ Chas Sanchez & Sanchez r	Los Angeles Directory Co.
	SANCHEZ Chas E musician h	Los Angeles Directory Co.
1924	GONZALES Frank U slsmn R M Hollingshead Co r	Los Angeles Directory Co.
	KELSEY Geo E w atchmkr Spurlock & Bryans r	Los Angeles Directory Co.

1128 MARION AVE

Year	Uses	Source
2020	CANDELARIA JUAREZ	EDR Digital Archive
2014	SERGIO PEREZ	Cole Information
2010	CALENDARIA JUAREZ	Cole Information
2006	JUAREZCalendaria	Haines Company, Inc.
	Lucas	Haines Company, Inc.
2005	CALENDARIA JUAREZ	Cole Information
2000	XXXX	Haines & Company
1995	OCCUPANT UNKNOWNN	Cole Information
1990	CHAU SOK VAN	Pacific Bell
1986	CHAU SOK VAN	Pacific Bell
1976	Garcia Ernestina	Pacific Telephone
1951	Marion Meighen Beverly r	Pacific Telephone & Telegraph Co.
1942	Brandvold Daisy w id A T	Los Angeles Directory Co.
1937	SAYRE Vernon M Ada ins agt	Los Angeles Directory Co.
1929	Mc CONNELL Jennie clk	Los Angeles Directory Co.
	Sell Esther clk h	Los Angeles Directory Co.
1924	JOHNSON Frank h	Los Angeles Directory Co.

1130 MARION AVE

Year	Uses	Source
2014	MARLENE MENDOZA	Cole Information
2010	MARLENE MENDOZA	Cole Information
2006	No Current Listing	Haines Company, Inc.
2005	OCCUPANT UNKNOWN	Cole Information

FINDINGS

Year	Uses	Source
2000	OCCUPANT UNKNOWN	Cole Information
	XXXX	Haines & Company
1995	SRAIM, KHOEUM	Cole Information
1992	CHAU, SOEUNG Y	Cole Information
	SRAIM, KHOEUM	Cole Information
1990	CHAU SOEUNG Y	Pacific Bell
1951	Marion Av Johnson Leonard R r	Pacific Telephone & Telegraph Co.
1942	Garner Clara M	Los Angeles Directory Co.
	HUTCHINSON Annette	Los Angeles Directory Co.
1937	STONE Wm P Frances cook	Los Angeles Directory Co.
1933	BROWN Jean slsw n	Los Angeles Directory Co.
1929	Petrow ske Caroline L clk	Los Angeles Directory Co.
1924	Silverman Henry h	Los Angeles Directory Co.

1131 MARION AVE

Year	Uses	Source
2000	J PEREZ	Cole Information

1132 MARION AVE

Year	Uses	Source
2014	MARISOL GONSEN	Cole Information
2010	MARISOL GONSEN	Cole Information
2005	REMBERTO CARBAJAL	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	HOK, NEANG	Cole Information
1990	CHAU THANG YONG	Pacific Bell
1986	CHAU THANG YONG	Pacific Bell
1981	RODRIGUEZ RUBEN R	Pacific Telephone
1937	COCHRAN Geo R	Los Angeles Directory Co.
1929	COCHRAN Geo R Marie C	Los Angeles Directory Co.
1924	COCHRAN Geo h	Los Angeles Directory Co.

FINDINGS

1135 MARION AVE

Year	Uses	Source
1951	Marion Av Rice Lloyd J r	Pacific Telephone & Telegraph Co.
1937	Thicston Frances w id Wm	Los Angeles Directory Co.
	Thicston Lew is clk	Los Angeles Directory Co.
1929	Hume Geo H	Los Angeles Directory Co.

1136 MARION AVE

Year	Uses	Source
2000	OCCUPANT UNKNOWN	Cole Information

1137 MARION AVE

Year	Uses	Source
2000	PEREZ Angeles	Haines & Company
1951	Marion Av Jensen Anna	Pacific Telephone & Telegraph Co.
1937	SCOTT Helen sten	Los Angeles Directory Co.
1924	Mc Broom Lance L slsmn Colladay & Co r	Los Angeles Directory Co.

1139 MARION AVE

Year	Uses	Source
2006	GRACIELAA	Haines Company, Inc.
1990	SOV SOK	Pacific Bell
1986	EAR EM	Pacific Bell
1942	Lindstrom Rose E Mrs typist CDPA	Los Angeles Directory Co.
1937	WHITNEY Lee R printer T mes Mirror Ptg & Bndg House	Los Angeles Directory Co.
1933	Hanks Ray bondsmn Equitable Bail Bond Co	Los Angeles Directory Co.
1929	Lutton John Anna	Los Angeles Directory Co.

1140 MARION AVE

Year	Uses	Source
2000	OCCUPANT UNKNOWN	Cole Information

1141 MARION AVE

Year	Uses	Source
2006	GARCIA Gradela	Haines Company, Inc.
2000	XXXX	Haines & Company

FINDINGS

Year	Uses	Source
1990	LUONG ANH MGOC	Pacific Bell
1986	LUONG ANH MGOC	Pacific Bell
1981	ROMAN	Pacific Telephone
1937	Pow ell Jas Julia	Los Angeles Directory Co.
1929	KIRBY Geo H Ada plmbr	Los Angeles Directory Co.

1143 MARION AVE

Year	Uses	Source
2006	LIMA Miguel	Haines Company, Inc.
1942	Lappin Maurice H clk	Los Angeles Directory Co.
	Lappin Sadie Mrs	Los Angeles Directory Co.
1937	Bouw erman Robt H Edna	Los Angeles Directory Co.
1933	LEE Jos Julia copyist Co Recorder	Los Angeles Directory Co.
1929	LEE Julia typist Co Recorder	Los Angeles Directory Co.

1145 MARION AVE

Year	Uses	Source
2006	AVILALUz	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	YORT THOY	Pacific Bell
1986	HAM NGOAN CHHUN	Pacific Bell
1937	Barnfield Ruth L Mrs clk	Los Angeles Directory Co.
1929	Gillar Elsie bkpr	Los Angeles Directory Co.
	Gillar Louise sten	Los Angeles Directory Co.
	Gilliard Louise clk ST&S Bank	Los Angeles Directory Co.

1147 MARION AVE

Year	Uses	Source
2000	XXXX	Haines & Company
1990	EAV JOE	Pacific Bell
1986	EAR TECH BUN	Pacific Bell
1981	DIAZ ISIDORO C	Pacific Telephone
1951	Marion Av Wakefield Ida Marie r	Pacific Telephone & Telegraph Co.
1929	Whittle Irving W eng r	Los Angeles Directory Co.

FINDINGS

1149 MARION AVE

Year	*Uses*	*Source*
1990	ESPINOZA GUS	Pacific Bell
1986	ESPINOZA GUS	Pacific Bell
1981	VAZQUEZ JOSE LUIS	Pacific Telephone
1976	Perez Maria Galeana	Pacific Telephone
1951	Marion Hew us Martin r	Pacific Telephone & Telegraph Co.
1942	Dagort Anna Mrs	Los Angeles Directory Co.
1937	Harvey Ethel E	Los Angeles Directory Co.
1929	HARTMAN Leo Cornelia	Los Angeles Directory Co.

1113 1/2 MARION AVE

Year	*Uses*	*Source*
1990	TANG SRUN HENG	Pacific Bell

1116 1/2 MARION AVE

Year	*Uses*	*Source*
1986	HY LANG	Pacific Bell

1116 3/4 MARION AVE

Year	*Uses*	*Source*
1990	TEA HAY M	Pacific Bell

1118 1/2 MARION AVE

Year	*Uses*	*Source*
1990	RIVERA VENUS	Pacific Bell

1124 1/2 MARION AVE

Year	*Uses*	*Source*
1990	LUONG QUYNH HANH	Pacific Bell

1124 1/4 MARION AVE

Year	*Uses*	*Source*
1990	LUONG SIEU KIEN	Pacific Bell

1125 1/2 MARION AVE

Year	*Uses*	*Source*
1990	GUAN JINCAI	Pacific Bell

1127 1/2 MARION AVE

Year	Uses	Source
1986	VALADEZ ELENA	Pacific Bell
1981	VALADEZ ELENA	Pacific Telephone

MARVEW AVE

902 MARVEW AVE

Year	Uses	Source
1981	CHAN DAVID	Pacific Telephone

MARVIEW AVE

901 MARVIEW AVE

Year	Uses	Source
2020	YUEN SO	EDR Digital Archive
	BARBARA CHENNAULT	EDR Digital Archive
	DONALD YEARWOOD	EDR Digital Archive
	SO LI	EDR Digital Archive
2014	SO LI	Cole Information
2010	SO LI	Cole Information
2006	o LI So	Haines Company, Inc.
2005	SHAO SITU	Cole Information
2000	TOM Wai	Haines & Company
1942	ROACH Henry aircrttw kr	Los Angeles Directory Co.
	ROACH Michl mech	Los Angeles Directory Co.
1937	Van Rensselaer Chas Gesina lab Bd of Educ	Los Angeles Directory Co.
1933	Van Rensselaer Chas Gesiena mech City Bd of Edua	Los Angeles Directory Co.
1929	Van Rensselaer Chas plmbr h	Los Angeles Directory Co.
1924	Van Rensselaer Chas plumber h	Los Angeles Directory Co.

903 MARVIEW AVE

Year	Uses	Source
2020	MAGGIE LEI	EDR Digital Archive
	ELDEN LEI	EDR Digital Archive

Year	Uses	Source
2014	FON YEE	Cole Information
2010	FON YEE	Cole Information
2006	TANG Zhu Wen	Haines Company, Inc.
2000	XXXX	Haines & Company
1981	KWAN YOUNG	Pacific Telephone
1976	Kwan Young	Pacific Telephone
1942	Don Carlos Robt C Mary bus opr SFT	Los Angeles Directory Co.
	Tanksley Lenora w id Earl	Los Angeles Directory Co.
1937	Lerner Carl	Los Angeles Directory Co.
	Lerner Charlotte	Los Angeles Directory Co.
	Lerner Meriam	Los Angeles Directory Co.
1933	Campillo Frank slsmn	Los Angeles Directory Co.
	Campillo Nicholas cook	Los Angeles Directory Co.
1929	h	Los Angeles Directory Co.
	WALLACE John N Ovedia drugs	Los Angeles Directory Co.
1924	MAYER Albt C civ eng County Road Dept h	Los Angeles Directory Co.

905 MARVIEW AVE

Year	Uses	Source
2020	JENNIFER WONG	EDR Digital Archive
	RICHARD NOGUCHI	EDR Digital Archive
	LISA THONG	EDR Digital Archive
	DANKO NOGUCHI	EDR Digital Archive
2014	JENNIFER WONG	Cole Information
	CHIU LEE	Cole Information
2010	WAI CHAI	Cole Information
	WAI LAU	Cole Information
	CHIU LEE	Cole Information
2005	WAI LAU	Cole Information
	JACQUELINNE GALDAMEZ	Cole Information
	CHIU LEE	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

FINDINGS

N BOYLSTON ST

613 N BOYLSTON ST

Year	Uses	Source
2020	KA CHEUNG	EDR Digital Archive
	BAO DENG	EDR Digital Archive
	DENG BAOHONG	EDR Digital Archive
	EMILEE YEE	EDR Digital Archive
	KEUNG KA	EDR Digital Archive
	PHILLIP YEE	EDR Digital Archive
2014	DENG BAOHONG	Cole Information
	KEUNG KA	Cole Information
	PHILLIP YEE	Cole Information
	SIU ONG	Cole Information
2010	DENG BAOHONG	Cole Information
	KEUNG KA	Cole Information
	PHILLIP YEE	Cole Information
	SIU ONG	Cole Information
2005	DENG BAOHONG	Cole Information
	KEUNG KA	Cole Information
	SIU ONG	Cole Information
2000	DENG BAOHONG	Cole Information
1995	BAOHONG, DENG	Cole Information
1992	BASHONG, DENG	Cole Information

615 N BOYLSTON ST

Year	Uses	Source
2020	ERIC KINCH	EDR Digital Archive
2014	ERIC KINCH	Cole Information
2010	ERIC KINCH	Cole Information
2005	ERIC KINCH	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	TRAN, THANH X	Cole Information
1992	TRAN, THANH X	Cole Information

FINDINGS

616 N BOYLSTON ST

Year	Uses	Source
2020	JEFFREY PHONG	EDR Digital Archive
	XIN PHONG	EDR Digital Archive
	HOK NG	EDR Digital Archive
2014	ERI INDRAYANI	Cole Information
	HOK NG	Cole Information
2010	DAVID KHUON	Cole Information
	VICTORIA JACOBO	Cole Information
	ERI INDIAYAMI	Cole Information
	HOK NG	Cole Information
2005	HOK NG	Cole Information
2000	AY THAM	Cole Information
	YUN LI	Cole Information
	KEY CHAO	Cole Information
	K KEY	Cole Information
	HOK NG	Cole Information
1995	NG, HOK K	Cole Information
	PHAM, CAMHUE T	Cole Information
	TON, MUOI	Cole Information
1992	ONG, NHEP	Cole Information
	NG, HOK K	Cole Information
	SALAPSENG, P	Cole Information

617 N BOYLSTON ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2010	CANDACE FURUMIZO	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

619 N BOYLSTON ST

Year	Uses	Source
2020	MARIO SALAZAR	EDR Digital Archive
2014	MENG LOV	Cole Information

Year	Uses	Source
2010	MENG LOV	Cole Information
2005	MENG LOV	Cole Information
2000	MENG LOV	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	SAVATPHAYPHANE, B	Cole Information

623 N BOYLSTON ST

Year	Uses	Source
2014	JUAN BALLESTEROS	Cole Information
2010	JUAN BALLESTEROS	Cole Information
2005	JUAN CARLOS	Cole Information
2000	XIANG CHEN	Cole Information
1995	CHEN, HANG Y	Cole Information
1992	SZETO, SIK	Cole Information

627 N BOYLSTON ST

Year	Uses	Source
2020	SONIA RIVAS	EDR Digital Archive
	MARIA RIVAS	EDR Digital Archive
	JESUS GARCIA	EDR Digital Archive
2014	JESUS GARCIA	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
	MARIA MALLORGA	Cole Information
	MINH DIEC	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	OCCUPANT UNKNOWN	Cole Information
1995	YEO, SOEK H	Cole Information
1992	YEO, SOEK H	Cole Information

629 N BOYLSTON ST

Year	Uses	Source
2014	ANTOLINO DELATORRE	Cole Information
	OCCUPANT UNKNOWN	Cole Information

Year	Uses	Source
2014	SONIA VARGAS	Cole Information
2010	PEDRO CORTEZ	Cole Information
	MARTIN ROCHA	Cole Information
	OCCUPANT UNKNOWN	Cole Information
	ANTOLINO DELATORRE	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
	ANTOLINO DELATORRE	Cole Information
2000	ELOHIM CALDERON	Cole Information
1995	QUACH, FUONG D	Cole Information
	SALDANA, RAQUEL	Cole Information
1992	PHAM, KIM	Cole Information

633 N BOYLSTON ST

Year	Uses	Source
2020	CHECK MAID CLEANING	EDR Digital Archive
	CHRISTINE CHOEN	EDR Digital Archive
2014	KWAN CHOEN	Cole Information
	KIM CHU	Cole Information
2010	DYLAN JOE	Cole Information
	WEI LIAO	Cole Information
	SUNG IM	Cole Information
	BOK HAN	Cole Information
	KWAN CHOEN	Cole Information
2005	HENG SRENG	Cole Information
	WEI LIAO	Cole Information
	JONGHO JOE	Cole Information
2000	ANNIE TAING	Cole Information
	MEAN CHHUNG	Cole Information
1995	SRENG, SOV	Cole Information
	TAING, KHIM	Cole Information
1992	TAING, SRENG	Cole Information

FINDINGS

SUNSET BLVD

1161 SUNSET BLVD

Year	Uses	Source
2000	SUN LIQUOR & MINI MART	Haines & Company
1990	LIM S LIQUOR	Pacific Bell
1986	LIM S LIQUOR	Pacific Bell
1981	SUNSET DRIVE IN MKT	Pacific Telephone
1976	Sunset Drive In Mkt	Pacific Telephone
1971	Sunset Drive In Mkt	Pacific Telephone
1967	Sunset Drive In Mkt	Pacific Telephone
1962	Sunset Drive In Mkt	Pacific Telephone

1164 SUNSET BLVD

Year	Uses	Source
2000	CHOW Way	Haines & Company
1962	Morgan Ernest P atty	Pacific Telephone
1958	Morgan Ernest P atty	Pacific Telephone
	Okamoto K Eugene	Pacific Telephone

1165 SUNSET BLVD

Year	Uses	Source
2006	SENG AUTO REPAIR	Haines Company, Inc.
2000	SENG AUTO REPAIR	Haines & Company
1990	SENG AUTO REPAIR	Pacific Bell
1986	SENG AUTO REPAIR	Pacific Bell
1981	FRANK S GARAGE & SERVICE STN	Pacific Telephone
1976	FRANKS GARAGE & SERVICE STN	Pacific Telephone
1971	FRANKS GARAGE & SERVICE STN	Pacific Telephone
1967	FRANKS GARAGE & SERVY STN	Pacific Telephone
1962	Franks Garage & Serv Stn	Pacific Telephone
1958	Franks Garage & Suer Sto	Pacific Telephone

1166 SUNSET BLVD

Year	Uses	Source
2006	LAJETU LIMOUSINE	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	SERVICES	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	SHIRLEY S DRESS CO	Pacific Bell
1986	SHIRLEY S DRESS CO	Pacific Bell
1981	SHIRLEY S DRESS CO	Pacific Telephone
1976	S & L Garments	Pacific Telephone

1176 SUNSET BLVD

Year	Uses	Source
2006	AWINSURANCE	Haines Company, Inc.
	MAN FUNG	Haines Company, Inc.
	INTERNATIONAL INC	Haines Company, Inc.
2000	A W INSURACE SERVICES	Haines & Company
	C KINC	Haines & Company
1990	ARTCON GRAPHICS	Pacific Bell
	ARTCON GRAPHICS	Pacific Bell
	C K I INC	Pacific Bell
	GRANDVIEW PRODUCTIONS	Pacific Bell
	LEE & ASSOCIATES FINANCIAL SERVICES	Pacific Bell

1186 SUNSET BLVD

Year	Uses	Source
2006	BELTRANElizabeth	Haines Company, Inc.
	LOPEZ MANUEL	Haines Company, Inc.
	LAW OFFICES	Haines Company, Inc.
2000	ORDYNSKY Viacheslav	Haines & Company
1990	ORDYNSKY VIACHESLAV CLASSICAL PIANO SCHL	Pacific Bell
1986	ORDYNSKY VIACHESLAV CLASSICAL PIANO SCHL	Pacific Bell
1981	ORDYNSKY VIACHESLAV CLASSICAL PIANO SCHL	Pacific Telephone
1976	Ordynsky Viacheslav classical piano schl	Pacific Telephone
1971	ORDYNSKY VIACHESLAV classical piano schl	Pacific Telephone

Year	Uses	Source
1967	Ordynsky Viacheslav classical plano schl	Pacific Telephone

1190 SUNSET BLVD

Year	Uses	Source
2006	A PEKoy	Haines Company, Inc.
	PHANDieu	Haines Company, Inc.
2000	HUYNH Bich Phuong	Haines & Company
	PHUNG Steven	Haines & Company
	WEALTH CODE	Haines & Company
1971	Alemany Marie de E	Pacific Telephone
1967	Alemany Marie de E	Pacific Telephone
1962	Alemany Marie de E	Pacific Telephone
1958	Alemany Marie de E	Pacific Telephone
	Howard Richard G	Pacific Telephone

1200 SUNSET BLVD

Year	Uses	Source
1940	Zukin Jos	Los Angeles Directory Co.

1202 SUNSET BLVD

Year	Uses	Source
2006	CHANGYikkek	Haines Company, Inc.
	LIM Eng Ngech	Haines Company, Inc.
2000	LIM Eng Ngech	Haines & Company
	WANG Jin	Haines & Company
	a 1/2 CHANG Yikkek	Haines & Company
1990	KET CHAK	Pacific Bell
	LIM ENG NGECH	Pacific Bell
1976	Arias Margarito	Pacific Telephone
	Valencia Roberto	Pacific Telephone
1971	Acosta Jacinto	Pacific Telephone
1967	Acosta Jacinto M	Pacific Telephone
1962	Delgado Candelario	Pacific Telephone
1958	Schneiderman Saml	Pacific Telephone

FINDINGS

Year	Uses	Source
1951	W Sunset Triana Ignacio F r	Pacific Telephone & Telegraph Co.
	W Sunst Bl Schneiderman Saml r	Pacific Telephone & Telegraph Co.

1204 SUNSET BLVD

Year	Uses	Source
2000	a 1/2 LIM Chu	Haines & Company
1990	UNG PUY	Pacific Bell
1986	CHOUR NHET	Pacific Bell
1981	VALDEZ JOSE MARIA	Pacific Telephone
1976	Douglas Clifford atty	Pacific Telephone
1971	Ontiveros Paz	Pacific Telephone
1958	Beas Isauro	Pacific Telephone

1205 SUNSET BLVD

Year	Uses	Source
2000	WINTER Stave	Haines & Company
	a 1/2 LEE Sohing Yan	Haines & Company
1990	Y & J SEWING CONTRACTOR CO	Pacific Bell
1986	Y & J SEWING CONTRACTOR CO	Pacific Bell
1981	Y & J SEWING CONTRACTOR CO	Pacific Telephone
1976	Kuan Wai Tin	Pacific Telephone
	Y & J Sew ing Contractor Co	Pacific Telephone
1971	Winston Trannie	Pacific Telephone
1967	Time O Matic Inc	Pacific Telephone
1962	Clisby Jas H	Pacific Telephone
	Time O Matic Inc	Pacific Telephone
1958	CALAE CO custm engrvng	Pacific Telephone
	Grant Lottie Mrs	Pacific Telephone
1956	CALAE CO CUSTM ENGRVNG	Pacific Telephone

1206 SUNSET BLVD

Year	Uses	Source
2006	CANALESJose	Haines Company, Inc.
	Antonio	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	RAMIREZ Onohre	Haines Company, Inc.
2000	WANG Jin	Haines & Company
	a 1/2 CANALES Jose Antonio	Haines & Company
1981	BERNAL ROSA	Pacific Telephone
1976	Gomez Jeannie D	Pacific Telephone
1971	Alvarez Edw M	Pacific Telephone
	Perales Jeannie C	Pacific Telephone
1967	Alvarez Edw M	Pacific Telephone
	Perales Jeannie D	Pacific Telephone
1962	Duarte Oscar E	Pacific Telephone
	Perales Jeannie D	Pacific Telephone
1958	Perales Jeannie D	Pacific Telephone
1951	W Sunset Haley F W r	Pacific Telephone & Telegraph Co.
	W Sunset Perales Jeannie D r	Pacific Telephone & Telegraph Co.

1207 SUNSET BLVD

Year	Uses	Source
2000	a 1/2 THAI Phat Chi	Haines & Company
1976	Sen Lew Gap	Pacific Telephone
1971	Clisby Jas H	Pacific Telephone
1967	Clisby Jas H	Pacific Telephone
	Superior Controls Co Inc	Pacific Telephone
	Superior Regulator Co	Pacific Telephone
	THE OLD MANS CO w hale sprnklrs	Pacific Telephone
1962	Superior Controls Co Inc	Pacific Telephone
	THE OLD MANS CO w hsle sprnklrs	Pacific Telephone
1958	Superior Controls Co Inc	Pacific Telephone
	T O M Co w hsle sprnklrs	Pacific Telephone
	The Old Mans Co T O M Co w hsle sprnklrs	Pacific Telephone
1951	Sunset Sanders Chemical Mfg Co disinfectants	Pacific Telephone & Telegraph Co.
	Sunset Saunders Chemical Mfg Co disnfctnts	Pacific Telephone & Telegraph Co.
	W Sunset Williams Martha Edythe r	Pacific Telephone & Telegraph Co.

FINDINGS

1208 SUNSET BLVD

Year	Uses	Source
2000	a 1/2 HO Yu Ough	Haines & Company
1951	W Sunset Herrera Michael Mrs r	Pacific Telephone & Telegraph Co.

1172 1/2 SUNSET BLVD

Year	Uses	Source
1981	MADRID RESTAURANT	Pacific Telephone

1202 1/2 SUNSET BLVD

Year	Uses	Source
1986	LIM ENG NGECH	Pacific Bell

1205 1/2 SUNSET BLVD

Year	Uses	Source
1990	LEE PONG SING	Pacific Bell

1206 1/2 SUNSET BLVD

Year	Uses	Source
1986	GE PAN JOE	Pacific Bell

1207 1/2 SUNSET BLVD

Year	Uses	Source
1990	LIU JIA RONG	Pacific Bell

1208 1/2 SUNSET BLVD

Year	Uses	Source
1990	PAUM NIM	Pacific Bell

SUNVUE PL

1165 SUNVUE PL

Year	Uses	Source
2014	JUAN PORTILLO	Cole Information
2010	JUAN PORTILLO	Cole Information
2005	JUAN PORTILLO	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

1167 SUNVUE PL

Year	Uses	Source
2020	JOSE GOMEZ	EDR Digital Archive
	SARAH MARTINEZ	EDR Digital Archive
2014	DAVID MARTINEZ	Cole Information
2010	SARA MARTINEZ	Cole Information
2005	SARA MARTINEZ	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information

W SUNSET BLVD

1115 W SUNSET BLVD

Year	Uses	Source
2020	ELEVATED CONSULTING INC	EDR Digital Archive
	DIGITAL RIBBON INC	EDR Digital Archive
	GLOAMING INC	EDR Digital Archive
	SOURCE ECHO ENTERTAINMENT LLC	EDR Digital Archive
	WINSOME	EDR Digital Archive
	ELYSIAN	EDR Digital Archive
	ELECTRIC CHARGING STATION	EDR Digital Archive
	BBG ENTERPRISES LLC	EDR Digital Archive
	T HOLLINGSWORTH INC	EDR Digital Archive
	PRODUCT MANAGERS ASSN	EDR Digital Archive
	DUTTON ARCHITECTS	EDR Digital Archive
	S G P M LLC	EDR Digital Archive

1159 W SUNSET BLVD

Year	Uses	Source
2000	ANETTE LEVINE	Cole Information

1161 W SUNSET BLVD

Year	Uses	Source
1995	LIMS LIQUOR	Cole Information
1992	LIMS LIQUOR	Cole Information

FINDINGS

1164 W SUNSET BLVD

Year	Uses	Source
2014	ADAM AHMED	Cole Information
2010	ADAM AHMED	Cole Information

1165 W SUNSET BLVD

Year	Uses	Source
2020	SENG AUTO REPAIR	EDR Digital Archive
2014	SENG AUTO REPAIR	Cole Information
2010	SENG AUTO REPAIR	Cole Information
2005	SENG AUTO REPAIR	Cole Information
1995	SENG AUTO REPAIR	Cole Information
1992	SENG AUTO REPAIR	Cole Information

1166 W SUNSET BLVD

Year	Uses	Source
2020	ARITZA JIMENEZ	EDR Digital Archive
2014	COMMUNITY PARATRANSIT SERVICES LLC	Cole Information
1995	SHIRLEYS DRESS CO	Cole Information
1992	SHIRLEYS DRESS CO	Cole Information

1173 W SUNSET BLVD

Year	Uses	Source
2000	G JOHNSON	Cole Information
	C DOWNING	Cole Information

1174 W SUNSET BLVD

Year	Uses	Source
2014	SARIYA CHAYUTIPUN	Cole Information
2010	LUKE REITER	Cole Information
2005	LUKE REITER	Cole Information

1176 W SUNSET BLVD

Year	Uses	Source
2020	INFRASONIC SOUND	EDR Digital Archive
	TRANSDUCER	EDR Digital Archive

FINDINGS

Year	Uses	Source
2020	JEFF EHRENBERG REAL ESTATE INC	EDR Digital Archive
2010	WATER WAY	Cole Information
	CYCLONE MARINE INC	Cole Information
2005	MAN FUNG INTERNATIONAL INC	Cole Information
	A W INSURANCE	Cole Information
	CALFINDO CORP	Cole Information
1995	CKI INC	Cole Information
	SUAN FASHION	Cole Information
	A W INSURANCE SVC	Cole Information
1992	WU&ASSOCTS TAX SERV	Cole Information
	A W INSURANCE SERV	Cole Information
	GRANDVIEW PRODUCTNS	Cole Information
	C K I INC	Cole Information

1186 W SUNSET BLVD

Year	Uses	Source
2014	MANUEL LOPEZ	Cole Information
2010	MANUEL LOPEZ LAW OFFICES	Cole Information
1995	VIACHESLAV ORDYNSKY	Cole Information
	OCCUPANT UNKNOWNN	Cole Information
1992	ORDYNSKY VIACHESLAV	Cole Information
	ORDYNSKY, V	Cole Information

1190 W SUNSET BLVD

Year	Uses	Source
2020	DONALD EVANS	EDR Digital Archive
2005	KOY PE	Cole Information
	BICH NGUYEN	Cole Information
	HIEN TRAN	Cole Information
	DIEU PHAN	Cole Information
2000	BICH HUYNH	Cole Information

FINDINGS

1200 W SUNSET BLVD

Year	Uses	Source
2014	ANNA LEE	Cole Information
2000	JOHN DABLOOL	Cole Information

1202 W SUNSET BLVD

Year	Uses	Source
2020	JIN WANG	EDR Digital Archive
	ENG LIM	EDR Digital Archive
	LINDA WANG	EDR Digital Archive
	DAVID LY	EDR Digital Archive
	DAVIS DONOVAN	EDR Digital Archive
2014	ENG LIM	Cole Information
	MMAII INCST	Cole Information
2010	ENG LIM	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2005	ENG LIM	Cole Information
	OCCUPANT UNKNOWN	Cole Information
2000	ENG LIM	Cole Information
1995	CHANG, YIKKEK	Cole Information
	LIM, ENG N	Cole Information
1992	KET, CHAK	Cole Information
	LIM, ENG N	Cole Information

1204 W SUNSET BLVD

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2010	VICTOR TEFFY	Cole Information
	KONG SIN	Cole Information
2005	SERGIO MENDOZA	Cole Information
	CHU LIM	Cole Information
2000	CHU LIM	Cole Information
1995	OCCUPANT UNKNOWNN	Cole Information
1992	CHRIN, KY	Cole Information

FINDINGS

1205 W SUNSET BLVD

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2005	OCCUPANT UNKNOWN	Cole Information
2000	SO LEE	Cole Information
1995	Y & J SEWING CONTRACTOR	Cole Information
	LEE, PONG S	Cole Information
1992	Y&J SEWING	Cole Information
	LEE, PONG S	Cole Information

1206 W SUNSET BLVD

Year	Uses	Source
2020	ONOFRE RAMIREZ	EDR Digital Archive
	LINDA WANG	EDR Digital Archive
	JIN WANG	EDR Digital Archive
	JOSE CANALES	EDR Digital Archive
	FLOR CANALES	EDR Digital Archive
2014	OCCUPANT UNKNOWN	Cole Information
	JOSE CANALES	Cole Information
	ZI ZHANG	Cole Information
2010	OCCUPANT UNKNOWN	Cole Information
	JOSE CANALES	Cole Information
2005	ONOFRE RAMIREZ	Cole Information
	JOSE CANALES	Cole Information
2000	JOSE CANALES	Cole Information
1995	CANALES, JOSE A	Cole Information

1207 W SUNSET BLVD

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information
2010	PHAT THAI	Cole Information
2005	PHAT THAI	Cole Information
2000	PHAT THAI	Cole Information
1995	THAI, PHAT C	Cole Information
1992	LIU, JIARONG	Cole Information

FINDINGS

WHITE KNOLL DR

817 WHITE KNOLL DR

Year	Uses	Source
2020	STEVEN LY	EDR Digital Archive
	MARY CHU	EDR Digital Archive
2014	TEANG HOUT	Cole Information
	STEVEN LY	Cole Information
	LINH NGUYEN	Cole Information
2010	TEANG HOUT	Cole Information
	STEVEN LY	Cole Information
	MARY CHU	Cole Information
	TRANG PHAM	Cole Information
2006	CHUSL	Haines Company, Inc.
	HOUTTeang	Haines Company, Inc.
	LYSleven	Haines Company, Inc.
	PHAM Thu	Haines Company, Inc.
2005	TEANG HOUT	Cole Information
	SICK CHU	Cole Information
	SU TAN	Cole Information
	STEVEN LY	Cole Information
	HOC NGO	Cole Information
	TIEN YANG	Cole Information
2000	CHIN Ling Lang	Haines & Company
	CHU S L	Haines & Company
	SOV Ronald H	Haines & Company
	YANG Tien You	Haines & Company
	LING CHIN	Cole Information
	RONALD SOV	Cole Information
	SICK CHU	Cole Information
	STEVEN LY	Cole Information
	STEVEN CHRONGHY	Cole Information
	TRANG PHAM	Cole Information
	TIEN YANG	Cole Information

FINDINGS

Year	Uses	Source
1995	CHU, SICK L	Cole Information
	YANG, TIEN Y	Cole Information
	CHIN, LING L	Cole Information
1992	CHU, SICK L	Cole Information
	YANG, TIEN Y	Cole Information
	UTH, SAR	Cole Information
1990	CHU S L	Pacific Bell
	UTH SAR	Pacific Bell
	YANG TIEN YOU	Pacific Bell
1986	CHU S L	Pacific Bell
	LI WEN CHEN	Pacific Bell
	TRAN KY VAN	Pacific Bell
1981	CHU S L	Pacific Telephone
	DODOC N	Pacific Telephone
	PHAN LANG NGOC	Pacific Telephone
1976	Chu S L	Pacific Telephone
	Li Eugene	Pacific Telephone
1971	Chu S L	Pacific Telephone
	Lee M	Pacific Telephone
1962	Koyama Connie	Pacific Telephone
	Koyama Raymond	Pacific Telephone
1958	Koyama Connie	Pacific Telephone
	Koyama Raymond	Pacific Telephone
1951	White Knl Dr Mueller O M Mrs r	Pacific Telephone & Telegraph Co.
1942	Karmel Luther P Rachel driver	Los Angeles Directory Co.
1933	DUNN Mary B w id C M	Los Angeles Directory Co.
1929	DUNN Mary B w id C M	Los Angeles Directory Co.

824 WHITE KNOLL DR

Year	Uses	Source
1929	BROWN Ray A gauger	Los Angeles Directory Co.

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
Everett St	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
Sunset Blvd	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1100 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1102 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1105 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1109 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1111 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1112 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1112 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1113 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1115 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1115 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 3/4 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1117 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1117 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1119 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1120 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1120 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1121 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1122 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1123 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1123 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 1/4 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1125 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1125 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1126 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1127 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 1/2 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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1127 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1128 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1128 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1130 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1131 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1132 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1135 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1135 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1135 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1136 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1137 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1137 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1137 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1139 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1139 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1139 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1140 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1141 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1143 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 MARION AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1147 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1159 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1164 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1164 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1164 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1164 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1164 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNVUE PL	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNVUE PL	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNVUE PL	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNVUE PL	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1165 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1166 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1167 SUNVUE PL	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1167 SUNVUE PL	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1167 SUNVUE PL	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1167 SUNVUE PL	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1167 SUNVUE PL	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1172 1/2 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1173 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1174 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1174 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1174 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1176 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1190 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1200 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1200 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1200 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 1/2 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1204 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 1/2 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1205 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1205 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 1/2 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 W SUNSET BLVD	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1206 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 1/2 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1207 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 W SUNSET BLVD	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 W SUNSET BLVD	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 W SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 1/2 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 SUNSET BLVD	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
613 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
613 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
613 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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615 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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615 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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616 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 BOYLSTON ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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617 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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617 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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619 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
619 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N BOYLSTON ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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619 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
622 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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623 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
623 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
624 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
626 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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626 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 1/4 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 3/4 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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627 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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627 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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627 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 1/4 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 3/4 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 7/8 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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629 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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629 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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629 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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629 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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633 BOYLSTON ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
633 N BOYLSTON ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 N BOYLSTON ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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633 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 N BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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635 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
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637 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
637 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
637 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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637 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 BOYLSTON ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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641 BOYLSTON	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
817 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 WHITE KNOLL DR	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
901 MARVIEW AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
902 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 MARVEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
903 MARVIEW AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
904 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
905 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 MARVIEW AVE	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 MARVIEW AVE	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 MARVIEW AVE	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
905 MARVIEW AVE	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 3/4 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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908 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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908 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 1/4 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 1/4 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 3/4 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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910 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
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912 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
912 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
917 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
920 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
921 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
923 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
923 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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924 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
924 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
927 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
930 EVERETT ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
931 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
931 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
932 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
933 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
934 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
934 EVERETT ST	2020, 2017, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2020, 2017, 2014, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 1/2 EVERETT	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 EVERETT ST	2020, 2017, 2014, 2010, 2005, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
937 EVERETT ST	2020, 2017, 2014, 2010, 2006, 2005, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1185-1245 W Sunset Boulevard	2020, 2017, 2014, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

479224

1185-1245 W Sunset Boulevard

Los Angeles, CA 90026

Inquiry Number: 7344021.4

May 22, 2023

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

05/22/23

Site Name:	Client Name:
479224	AEI Consultants
1185-1245 W Sunset Boulevar	2500 Camino Diablo
Los Angeles, CA 90026	Walnut Creek, CA 94597
EDR Inquiry # 7344021.4	Contact: Johanan Supnet

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by AEI Consultants were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 336488

Project: 479224

Coordinates:

Latitude:	34.06793 34° 4' 5" North
Longitude:	-118.249773 -118° 14' 59" West
UTM Zone:	Zone 11 North
UTM X Meters:	384674.69
UTM Y Meters:	3770392.60
Elevation:	412.52' above sea level

Maps Provided:

2018	1928
2015	1921
2012	1920
1991, 1994	1902
1981	1900
1972	1898
1966	1896
1953	1894

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets

Los Angeles
2018
7.5-minute, 24000

Hollywood
2018
7.5-minute, 24000

2015 Source Sheets

Los Angeles
2015
7.5-minute, 24000

Hollywood
2015
7.5-minute, 24000

2012 Source Sheets

Los Angeles
2012
7.5-minute, 24000

Hollywood
2012
7.5-minute, 24000

1991, 1994 Source Sheets

Hollywood
1991
7.5-minute, 24000
Aerial Photo Revised 1978

Los Angeles
1994
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1981 Source Sheets

Hollywood
1981
7.5-minute, 24000
Aerial Photo Revised 1978

Los Angeles
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Los Angeles
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Hollywood
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1966 Source Sheets

Hollywood
1966
7.5-minute, 24000
Aerial Photo Revised 1964

Los Angeles
1966
7.5-minute, 24000
Aerial Photo Revised 1964

1953 Source Sheets

Hollywood
1953
7.5-minute, 24000
Aerial Photo Revised 1952

Los Angeles
1953
7.5-minute, 24000
Aerial Photo Revised 1952

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

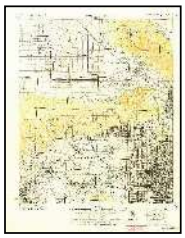
1928 Source Sheets

Los Angeles
1928
7.5-minute, 24000

1921 Source Sheets

Santa Monica
1921
15-minute, 62500
Aerial Photo Revised 1919

1920 Source Sheets



SANTA MONICA
1920
15-minute, 62500

1902 Source Sheets

Santa Monica
1902
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets

Pasadena
1900
15-minute, 62500

Los Angeles
1900
15-minute, 62500

1898 Source Sheets

Santa Monica
1898
15-minute, 62500

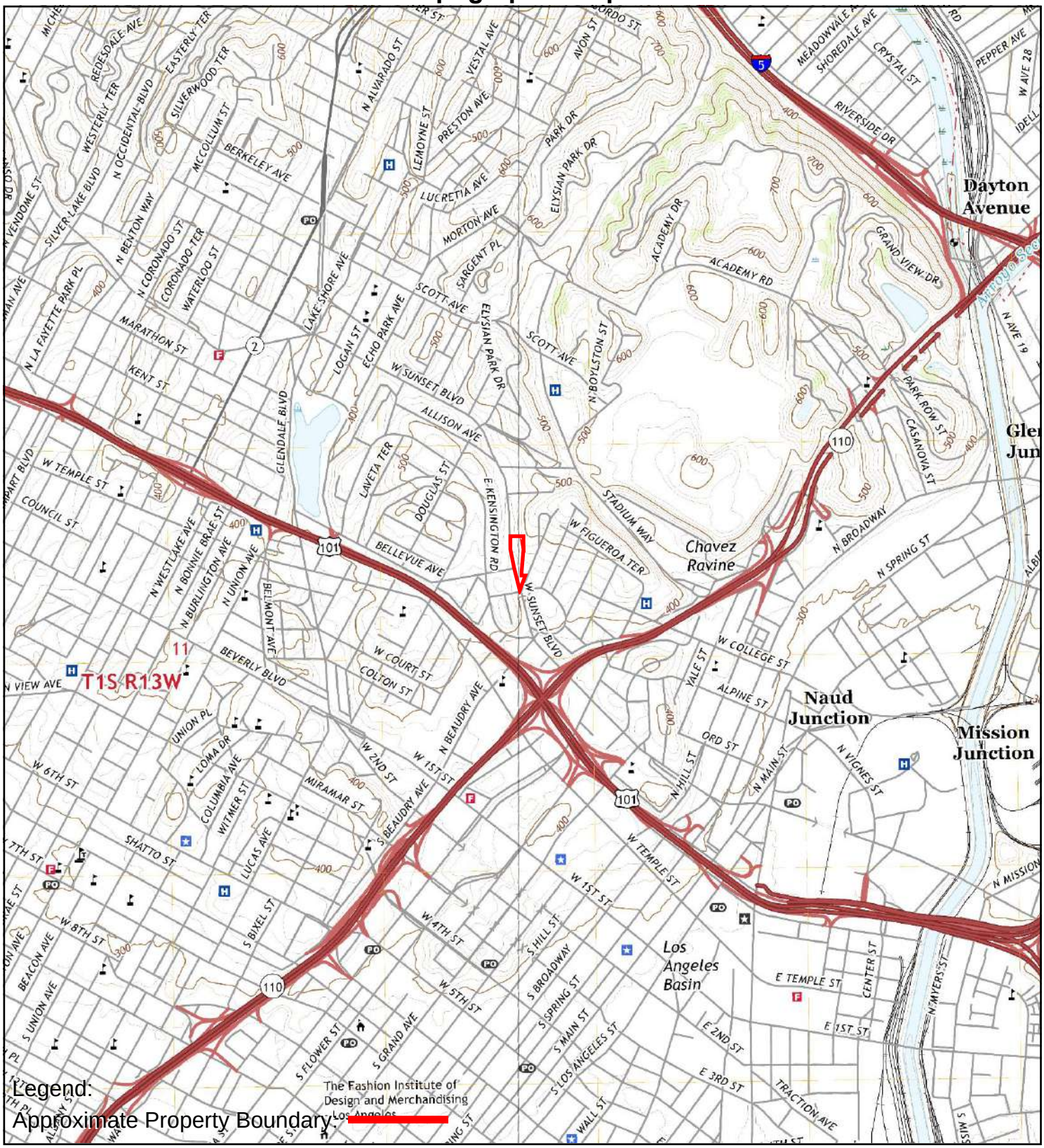
1896 Source Sheets

Santa Monica
1896
15-minute, 62500

Pasadena
1896
15-minute, 62500

1894 Source Sheets

Los Angeles
1894
15-minute, 62500



Legend:

Approximate Property Boundary:

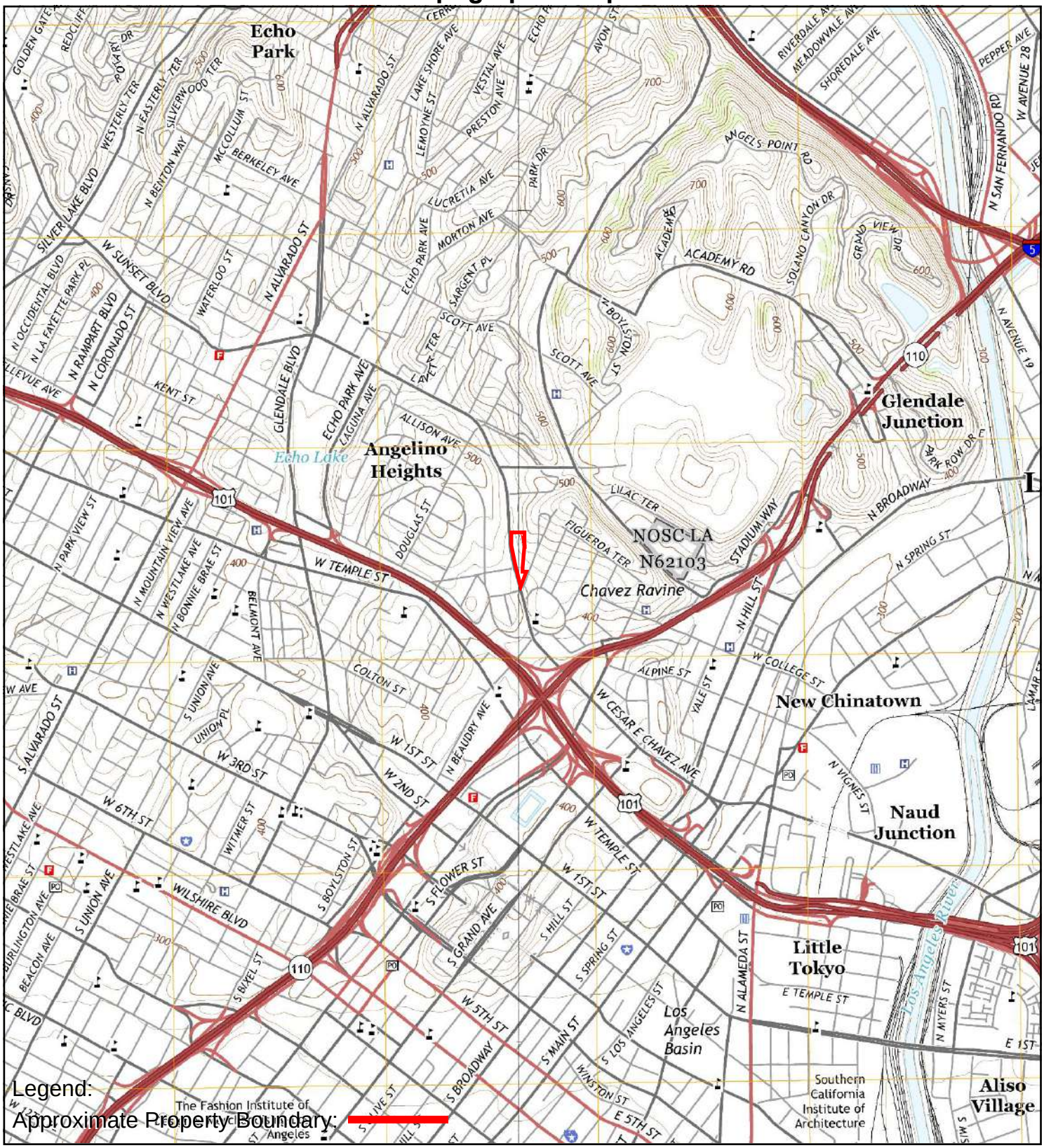
TP, Los Angeles, 2018, 7.5-minute
W, Hollywood, 2018, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 2018

AEI



TP, Los Angeles, 2015, 7.5-minute
W, Hollywood, 2015, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 2015

AEI

TP, Los Angeles, 2012, 7.5-minute
W, Hollywood, 2012, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 2012

AEI

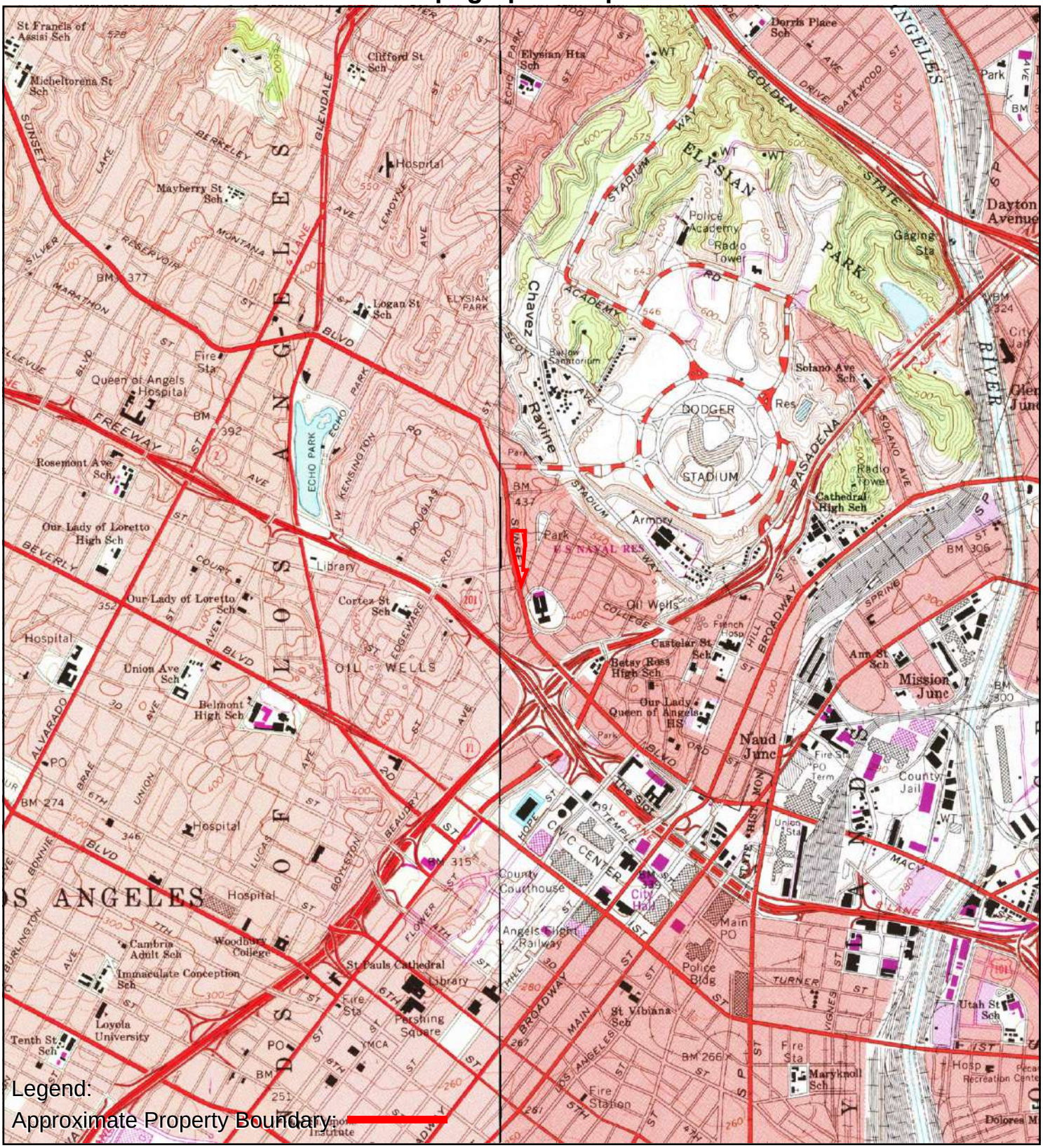
TP, Los Angeles, 1994, 7.5-minute
W, Hollywood, 1991, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1991, 1994

AEI



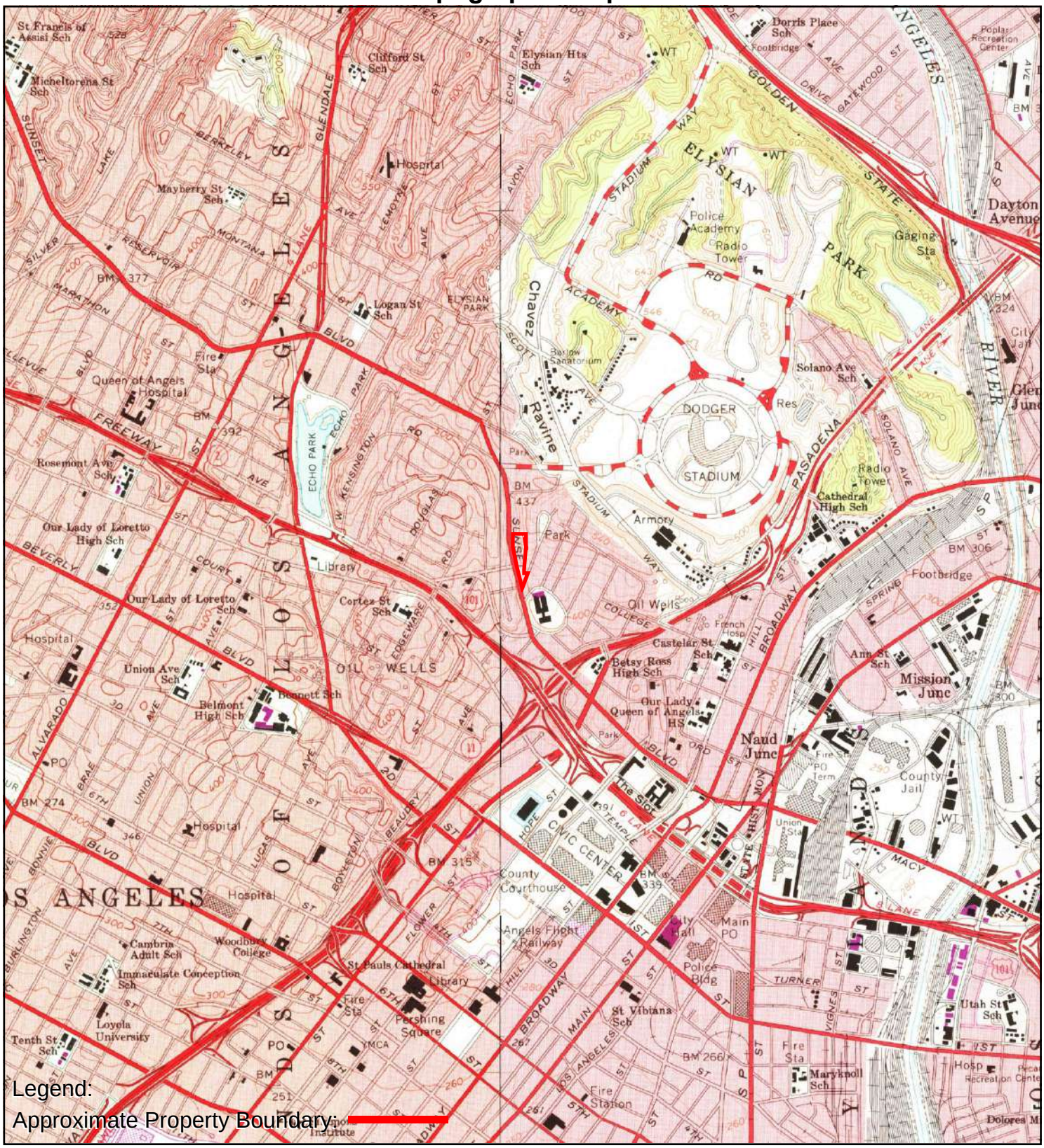
TP, Los Angeles, 1981, 7.5-minute
W, Hollywood, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1981

AEI



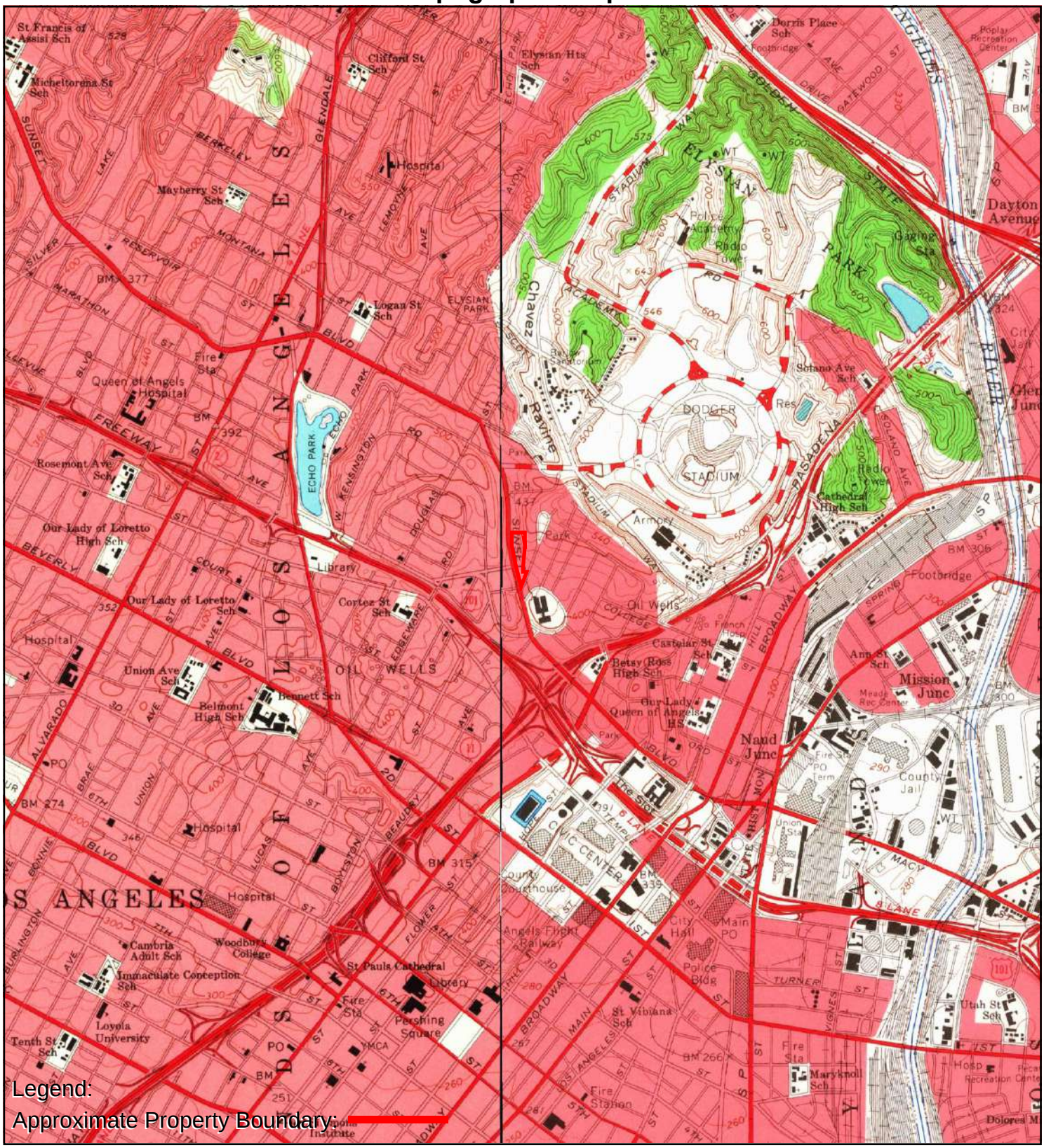
TP, Los Angeles, 1972, 7.5-minute
W, Hollywood, 1972, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1972

AEI



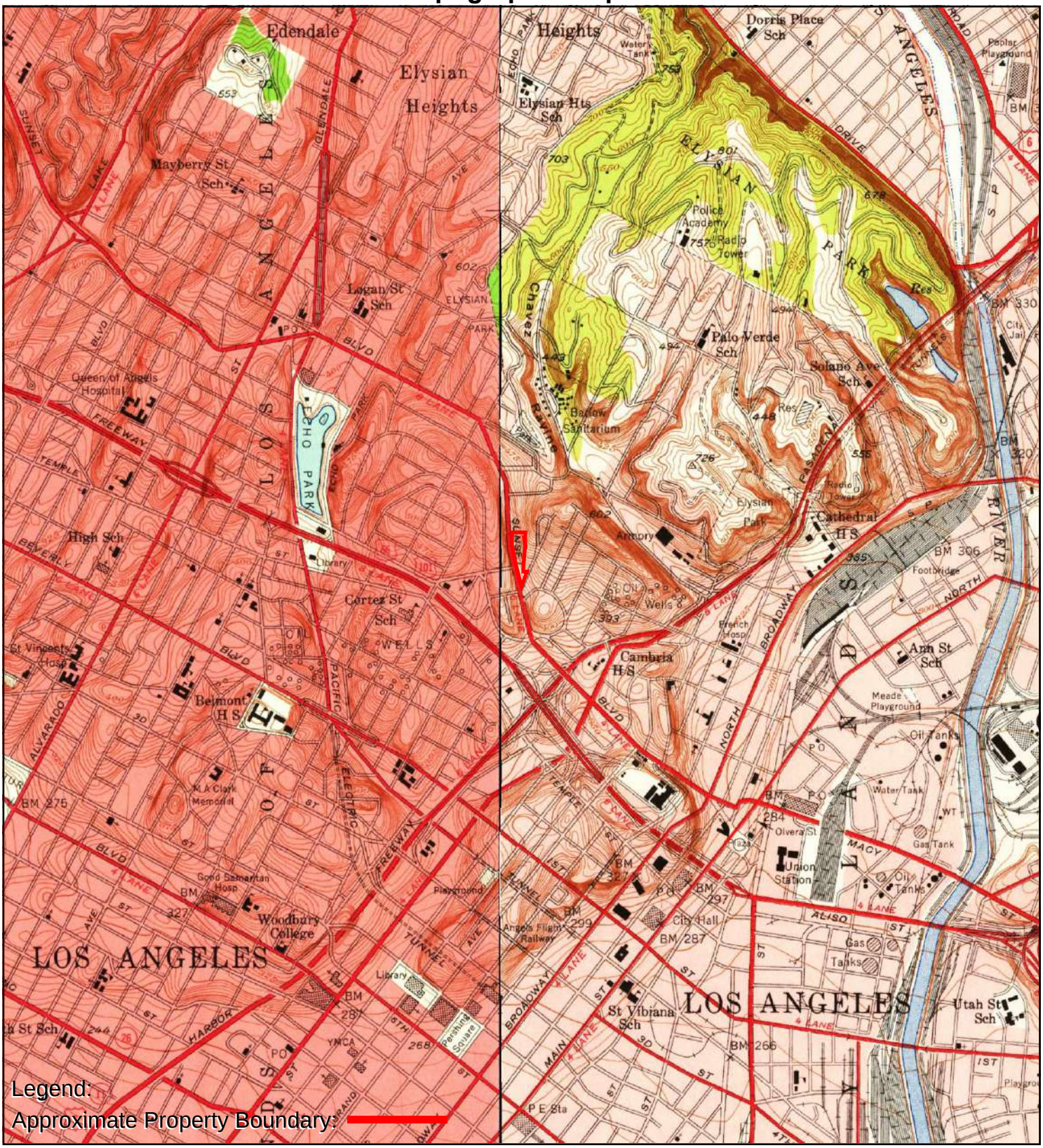
TP, Los Angeles, 1966, 7.5-minute
W, Hollywood, 1966, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1966

AEI



TP, Los Angeles, 1953, 7.5-minute
W, Hollywood, 1953, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1953

AEI

Legend:

Approximate Property Boundary:

TP, Los Angeles, 1928, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1928

AEI

Legend:
Approximate Property Boundary:

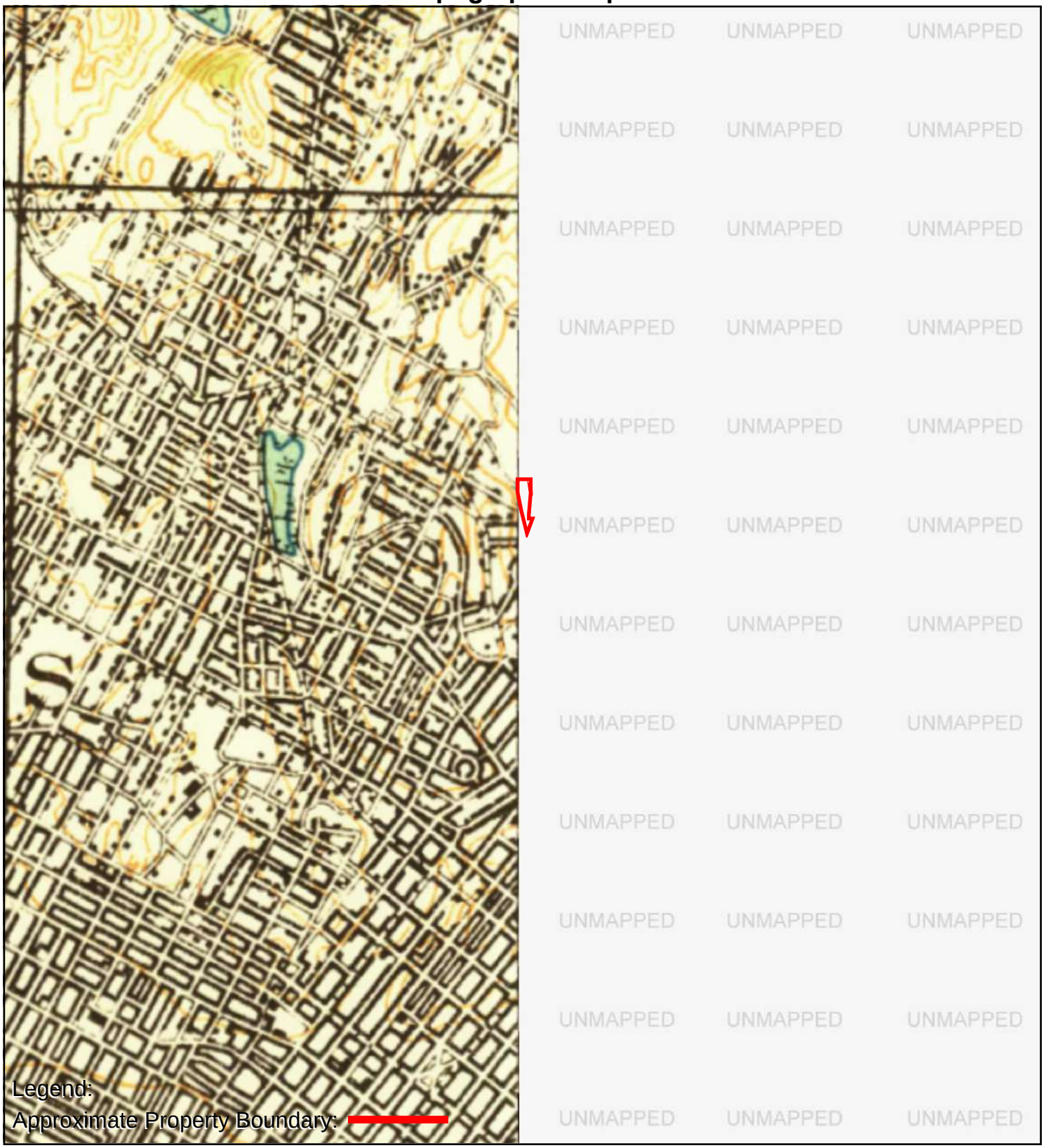
NW, Santa Monica, 1921, 15-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1921

AEI



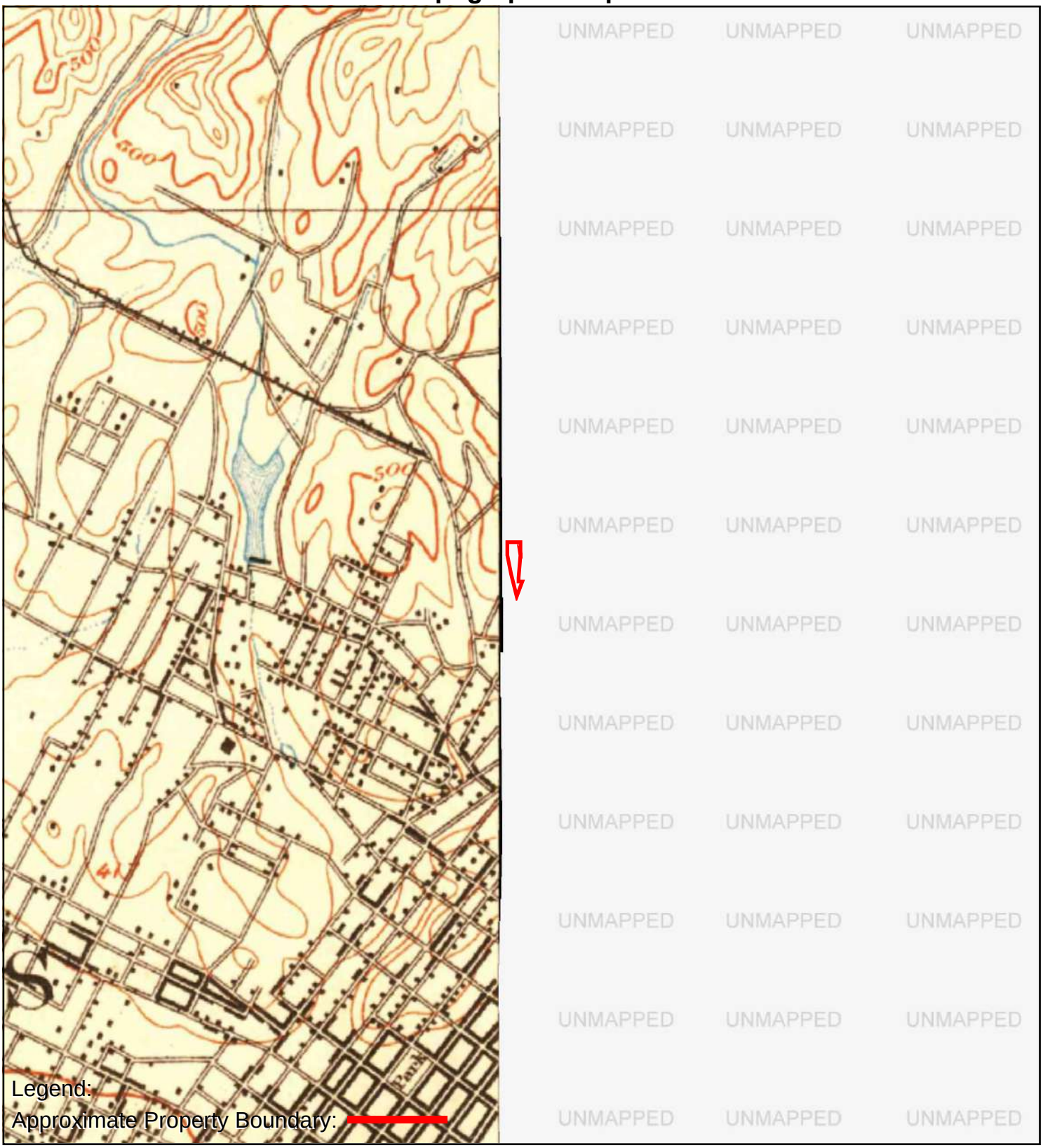
NW, SANTA MONICA, 1920, 15-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1920

AEI



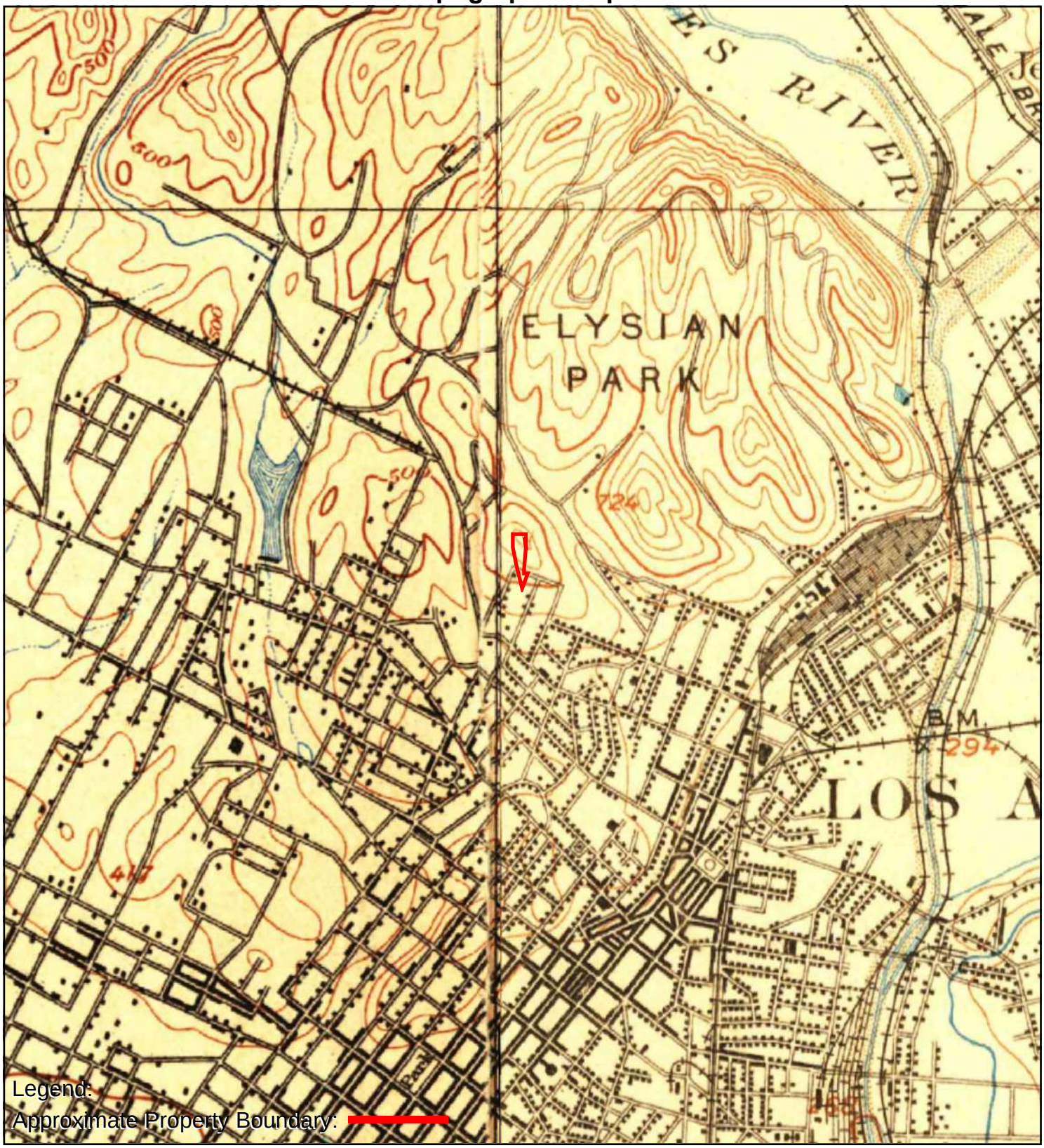
NW, Santa Monica, 1902, 15-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1902

AEI



Legend:

Approximate Property Boundary:

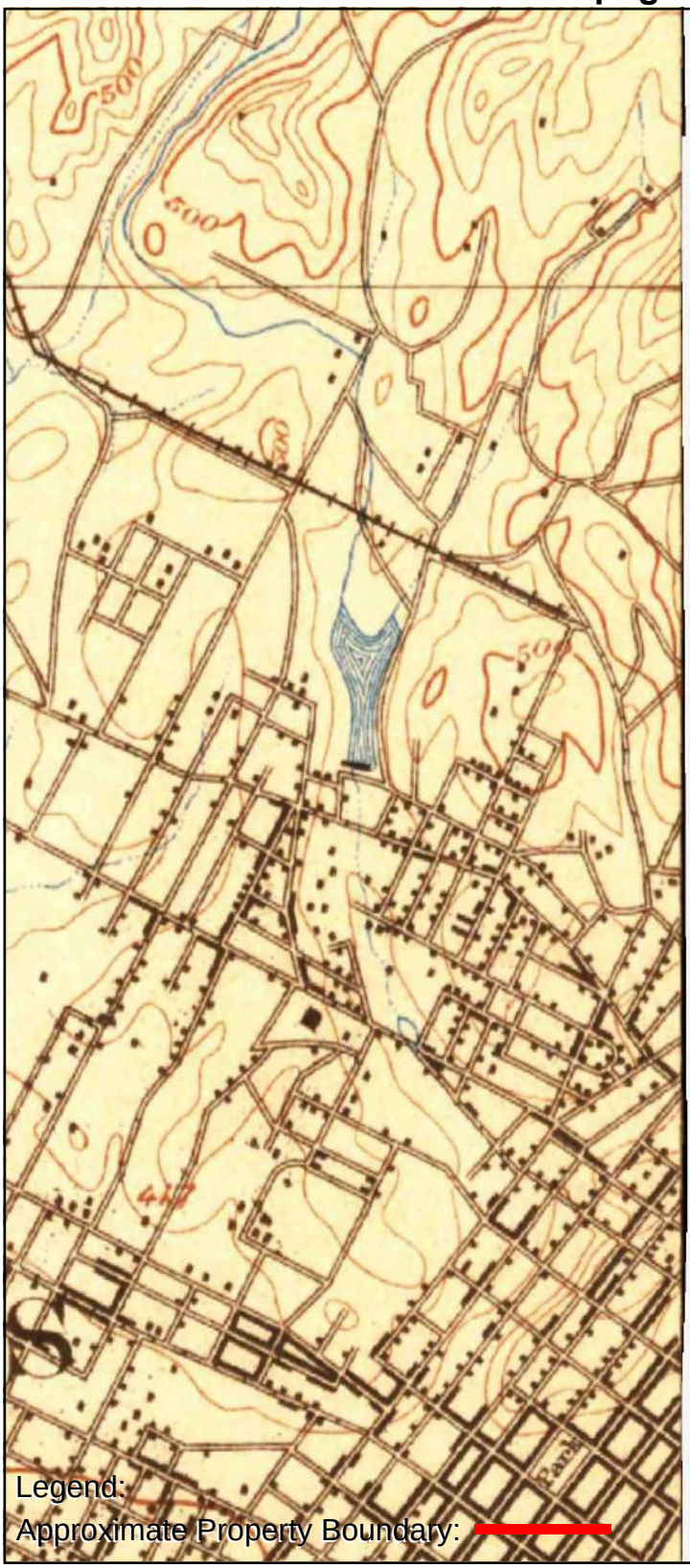
TP, Pasadena, 1900, 15-minute
TP, Los Angeles, 1900, 15-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1900

AEI



UNMAPPED

Legend:

Approximate Property Boundary:

NW, Santa Monica, 1898, 15-minute

0 Miles 0.25 0.5 1 1.5

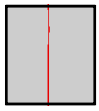
N

TOPOGRAPHIC MAP - 1898

AEI

Legend:

Approximate Property Boundary:



TP, Pasadena, 1896, 15-minute
NW, Santa Monica, 1896, 15-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1896

AEI

Legend:

Approximate Property Boundary:

TP, Los Angeles, 1894, 15-minute

0 Miles 0.25 0.5 1 1.5

N

TOPOGRAPHIC MAP - 1894

AEI

APPENDIX E

REGULATORY AGENCY RECORDS

Updates on Proposition 19 & COVID-19 HIDE

The Assessor's Office is currently experiencing significant delays on Prop. 58 and Prop. 19 claims.

We are committed to the fair and equitable treatment for all taxpayers and are proactively contacting applicants before any determinative deadline approaches. Prop. 19 and the corresponding implementation deadlines provided significant operational and administrative challenges leading to processing delays. We apologize for the inconvenience many homeowners are facing. As we work to streamline Prop. 19 claims, many questions can be answered here or by email.

Assessor Offices will be open to the public from 8:00am - 5:00pm, except for the West District which remains closed until further notice. Public services for the West District are temporarily moved to the Hall of Administration, Room 225. *Room 183-19 (mailing address)*

Online services remain available to the public via our contact form or by phone at **(213) 974-3211**. Stay Safe, Stay Healthy & Get Vaccinated!

Los Angeles County Assessor
JEFF PRANG

HOMEOWNERS

- NEW HOMEOWNERS
- REAL PROPERTY ASSESSMENT
- PROPERTY SEARCH TOOL
- TRANSFERRING YOUR ASSESSED VALUE (PROP. 19)
- CHANGE OF MAILING ADDRESS
- CHANGE IN OWNERSHIP
- DEATH OF REAL PROPERTY OWNER
- NEW CONSTRUCTION, REMODELING, REPAIR
- ACCESSORY DWELLING UNIT (ADU)
- HOMEOWNERS' EXEMPTION
- CONTESTING YOUR ASSESSED VALUE
- SUPPLEMENTAL TAX ESTIMATOR

Search Property by AIN or Address SEARCH

FOR ADDITIONAL INFORMATION, PLEASE VISIT THE FOLLOWING WEBSITE RESOURCES

Assessor Portal: detailed property and assessment information

Recent Sales by Area and Assessor Maps: property assessment information system

Property Tax Portal: detailed property tax information and billing

Summary —

AIN: 5406016023

Situs Address

1245 W SUNSET BLVD
LOS ANGELES CA, 90026-4422

Use Type:		**Parcel Status:**	ACTIVE	**Tax Status:**	CURREN
Parcel Type:	Multi-Family Residence / Regular Fee Parcel	**Create Date:**		**Year Defaulted:**	
Tax Rate Area:	00013	**Delete Date:**		**Exemption:**	Non

NEWSLETTERS

Building (0101) & Land Overview

Use Code:	0800	**Units:**	1	**Use Code:**	0800
Design Type:	0800	**Beds/Baths:**	6/2	**Design Type:**	0800
Quality Class:	D4B	**Building SqFt:**	1279	**Land SqFt:**	14249

Parcel Map / Map Index

Assessment Values

QUESTIONS

Land	$956,744.00	$937,985.00	T	2022	$812,000.00
Improvements	$5,886.00	$5,771.00	T	2014	$5,000.00
Total	$962,630.00	$943,756.00			$817,000.00

NOTE: Assessment Values are determined by the Assessor. For your latest tax bill and tax amounts due, please visit the Treasurer & Tax Collector website.

Assessor's Responsible Division

District
West District Office
500 W. Temple St. Room 183-19
Los Angeles, CA 90012-2770

Phone: (310) 665-5300
Toll Free: 1 (888) 807-2111
Hours: M-F 7:30 am to 5:00 pm

Region: 25
Cluster: 25697

Building and Land Characteristics

Land Information

Use Code: 0800 (Rooming/Boarding House)
0: Residential
8: Rooming/Boarding House
0: Unused or Unknown Code (No Meaning)
0: Unused or Unknown Code (No Meaning)

Total SqFt(GIS):	14249	**Sewers:**	N	**Corner Lot:**	N
Total SqFt(PDB):	10000	**Flight Path:**	N	**Golf Front:**	N
Usable SqFt:	10000	**X-Traffic:**	Y	**Horse Lot:**	N
Acres:		**Freeway:**	Y	**View:**	None
Land W'xD':	50 x 200				

Zoning:	LAC2
Code Split:	N
Impairment:	None

Legal Description (for assessment purposes):
ANGELENO HEIGHTS E 85 FT OF LOT 21 AND ALL OF LOT 23 BLK 31

Building Information

Design Type: (0800)
0: Residential
8: Rooming/Boarding House
0: Unused or Unknown Code (No Meaning)
0: Unused or Unknown Code (No Meaning)

SUBPART:	0102	**Units:**	1	**Year Built:**	1920
Design Type:	0800	**Beds/Baths:**	6/2	**Effective Year:**	1920
Quality Class:	D4B	**Building SqFt:**	1279	**Depreciation:**	//0

RCN Other:	0
RCN Other Trended:	
Year Change:	

Design Type: (0800)

NEWSLETTERS

0: Residential

8: Single Family Residence

0: Floor or Wall Heat

0: Unused or Unknown Code (No Meaning)

SUBPART:	0202	**Units:**	1	**Year Built:**	1924
Design Type:	0110	**Beds/Baths:**	2/1	**Effective Year:**	1924
Quality Class:	D4A	**Building SqFt:**	880	**Depreciation:**	//0

RCN Other:	0
RCN Other Trended:	
Year Change:	

MAIN OFFICE

KENNETH HAHN
HALL OF ADMINISTRATION
500 W. Temple Street, Room 225
Los Angeles, CA 90012
(213) 974-3211
Toll Free Phone:
1 (888) 807-2111

DISTRICT OFFICES

NORTH DISTRICT
13800 Balboa Boulevard
Sylmar, CA 91342
(818) 833-6000

EAST DISTRICT
1190 Durfee Avenue
South El Monte, CA 91733
(626) 258-6001

LANCASTER REGIONAL
251 E. Avenue K-6
Lancaster, CA 93535
(661) 940-6700

SOUTH DISTRICT
1401 E. Willow Street
Signal Hill, CA 90755
(562) 256-1701

WEST DISTRICT
Public services are temporarily moved to the Hall of Administration, Room 225. *Room 183-19 (mailing address)*
(310) 665-5300

STAY CONNECTED

NEWSLETTER SIGN UP >

COUNTY JOB OPPORTUNITIES >

© LOS ANGELES COUNTY ASSESSOR'S OFFICE. 2023. | v2.3.2.13 (LAST UPDATED 6/14/2023)

NEWSLETTERS

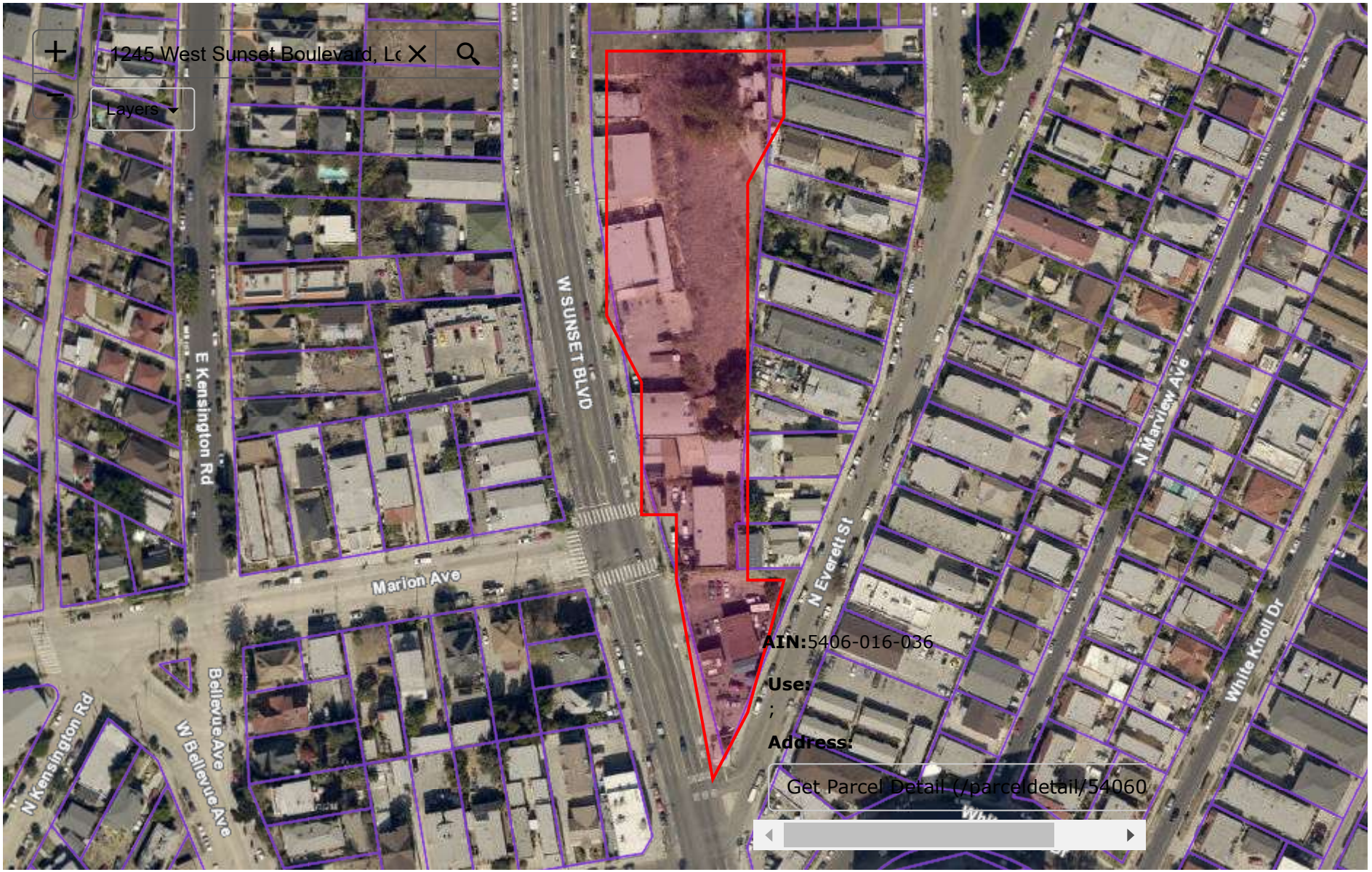
5406	16 SHEET	P. A. 968-7	TRA 13	REVISED. 3-6-63 680219	20201021210020001-04 20230531730070001-25				SEARCH NO		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002

2024

MAPPING AND GIS SERVICES
SCALE 1" = 30' & 100'

MARGINAL MAP
SCALE 1"= 30'

Date Printed: 5/31/2023 3:46:42 PM
Date Saved: 5/31/2023 3:46:23 PM



Legend

0 100 200ft

Find address or place
Layers
AIN:5406-016-036
Use:
;
Address:
Get Parcel Detail (/parceldetail/54060
Angeleno Heights
Marion Ave
E Kensington Rd
Edgeware Rd
Bellevue Ave
N Everett St
White Knoll Dr
N Beaudry Ave
W Figueroa Ter
0
100
200ft

Summary

AIN: 5406-016-018 5

Situs Address:
959 EVERETT ST
LOS ANGELES CA 90026-4408

Use Type: Vacant Land
Parcel Type: Regular Fee Parcel
Tax Rate Area: 00013

Parcel Status: ACTIVE
Create Date:
Delete Date:
Tax Status: CURRENT
Year Defaulted:
Exemption: None

Building & Land Overview

Use Code: 010V
Design Type:
Quality Class:
# of Units:
Beds/Baths: /
Building SqFt: 0
Year Built:
Effective Year:
Land SqFt: 8,670

(https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/P
val=5406-016)
Parcel Map
(https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/Vir
val=5406-016) / Map Index
(https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/Vir
val=5406-NDX)

	2023 Roll Preparation		2022 Current Roll	RC	Year		2014 Base Value
$	651,572	$	638,797	T	2014	$	553,000
$	0	$	0	T	2014	$	0
$	651,572	$	638,797			$	553,000

Assessor's Responsible Division

District: East District Office
Region: 04
Cluster: 04192 LA ECHO PARK

East District Office (https://maps.google.com/?q=1190+Durfee+Ave.+South+El+Monte%2C+CA+91733)
1190 Durfee Ave.
South El Monte, CA 91733

Phone: (626) 258-6001
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm

Building and Land Characteristics

Land Information

Use Code = 010V (Vacant Land)

Total SqFt (GIS):	0	**Sewers:**	Yes	**Corner Lot:**	No	**Zoning:**	(Refer Issuing Agency)
Total SqFt (PDB):	8,670	**Flight Path:**	No	**Golf Front:**	No	**Code Split:**	No
Usable SqFt:	8,670	**X-Traffic:**	No	**Horse Lot:**	No	**Impairment:**	None
Acres:		**Freeway:**	No	**View:**	None		
Land W' x D':	51 x 170						

Situs Address:
959 EVERETT ST LOS ANGELES CA 90026-4408

Legal Description *(for assessment purposes)*:
ANGELENO HEIGHTS LOT ON W LINE OF EVERETT ST COM AT SE COR OF LOT 16 BLK 31 TH NW TO NW COR OF SD LOT TH N 5¢30' E 50.26 FT TO NW COR OF LOT 18 SD BLK TH SE TO SE COR THEREOF TH S 13¢31' W 51.47 FT TO BEG PART OF LOTS 16 AND LOT 18 BLK 31

Use Code: 010V (Vacant Land)
0 = Residential
1 = Single Family Residence
0 = Unused or Unknown Code (No Meaning)
V = Vacant Land

Building Information

SUBPART:		**# of Units:**		**Year Built:**		**RCN Other:**	$ 0
Design Type:		**Beds/Baths:**	/	**Effective Year:**		**RCN Other Trended:**	$ 0
Quality Class:		**Building SqFt:**	0	**Depreciation:**	/ /	**Year Change:**	

Design Type:
=
=
=
=

SUMMARY:	***Total***	**# of Units:**	0
		Beds/Baths:	0/0
		Building SqFt:	0
		Avg SqFt/Unit:	

Events History

Ownership () Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
05/23/2014	50	Yes	9	00%-0	M	$ 6,925,069	$ 553,000
07/17/2013	50	No		00%-0		$ 0	$ 45,551
11/01/2007	50	No		00%-0		$ 0	$ 42,518
08/23/2005	50	No		00%-0		$ 0	$ 40,869
10/24/2001	50	No		00%-0		$ 0	$ 37,810
01/04/1989	50	No		00%-0		$ 0	$ 29,774
05/01/1972	50	Yes	6	00%-0	6	$ 225,002	$ 0

Assessment History

Show All: ☐ **Hide Inactive Rolls:** ☐ Showing 1 to 10 of 60 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
223-PSEG				05/23/2014	$ 651,572	$ 651,572	$
2220000	R	A	07/26/2022	05/23/2014	$ 638,797	$ 638,797	$ 0
2210000	R	A	07/06/2021	05/23/2014	$ 626,272	$ 626,272	$ 0
2200000	R	A	07/06/2020	05/23/2014	$ 619,851	$ 619,851	$ 0
2190001	C	A	02/09/2020	05/23/2014	$ 607,698	$ 607,698	$ 0
2190000	R	I	07/01/2019	05/23/2014	$ 607,697	$ 494,511	$ 113,186
2180001	C	A	02/09/2020	05/23/2014	$ 595,783	$ 595,783	$ 0
2180000	R	I	07/19/2018	05/23/2014	$ 595,782	$ 484,815	$ 110,967
2170001	C	A	02/09/2020	05/23/2014	$ 584,101	$ 584,101	$ 0
2170000	R	I	06/26/2017	05/23/2014	$ 584,101	$ 475,309	$ 108,792

« 1 2 3 4 5 … »

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PDB Effective Date: 05/16/2023

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KRISTIN M. CROWLEY
FIRE CHIEF

200 NORTH MAIN STREET
ROOM 1800
LOS ANGELES, CA 90012

(213) 978-3800
FAX: (213) 978-3815

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November 29, 2022

Russel Beilfuss
Aragon (Sunset/Everett) Properties, Corp.
590 Rosecrans Avenue SU D-303
Manhattan Beach, CA 90266

Facility:28838
RE:Permit#:34881

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California

Dear Mr. Beilfuss:

The Los Angeles Fire Department (LAFD) has reviewed the "Soils Report", dated September 28, 2022 as submitted by Citadel EHS. In accordance with the California Health and Safety Code, Chapter 6.7, Section 25298(c), the California Code of Regulations Title 23, Chapter 16, Section 2672 and the information provided, this Department has determined that no further action is required at the site for the removal of five underground storage tanks under permit No. 34881.

Please note, this correspondence does not exempt you of any liability under the California Health and Safety Code or Water Code for past, present or future operations at this site. Additionally, you maintain responsibility to correct additional or previously unidentified conditions at the site, which cause, or may thereafter cause, pollution or nuisance, or otherwise pose a threat to water quality or public health.

If you require additional information regarding this matter, please contact Eloy Luna of the Underground Storage Tanks – Plan Check Unit, at (213) 238-3484.

Very truly yours,

KRISTIN M. CROWLEY
Fire Chief

Royce Long, CUPA Manager
Environmental Unit

RL: EL: 1185 Sunset Boulevard#34881-sr-nfa
cc: Scott Grasse, Citadel EHS

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Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 1181 SUNSET

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-NEW	6/20/1914	1914LA13004	HIST: P1040 002 0279	
BUILDING PERMIT	NEW CONSTRUCTION	6/20/1914	1914LA13004	IDIS: P5066 01667 0000 thru P5066 0001 HIST: P1040 002 0279	
BUILDING PERMIT	BLDG-NEW	5/24/1919	1919LA03931	HIST: P1060 002 0338	
BUILDING PERMIT	NEW CONSTRUCTION	5/24/1919	1919LA03931	IDIS: P5086 01471 0000 thru P5086 0001 HIST: P1060 002 0338	
BUILDING PERMIT	BLDG-NEW	5/1/1925	1925LA15638	HIST: P1146 001 2479	
BUILDING PERMIT	NEW CONSTRUCTION	5/1/1925	1925LA15638	IDIS: P5026 01237 0000 thru P5026 0001 HIST: P1146 001 2479	
BUILDING PERMIT	BLDG-NEW	5/1/1925	1925LA15639	HIST: P1146 001 2481	
BUILDING PERMIT	NEW CONSTRUCTION	5/1/1925	1925LA15639	IDIS: P5026 01238 0000 thru P5026 0001 HIST: P1146 001 2481	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/13/1937	1937LA40216	IDIS: P5287 00556 0000 thru P5287 0001 HIST: P1282 002 1111	
BUILDING PERMIT	BLDG-NEW	8/8/1938	1938LA24951	HIST: P1291 002 1731	
BUILDING PERMIT	NEW CONSTRUCTION	8/8/1938	1938LA24951	IDIS: P5296 02056 0000 thru P5296 0001 HIST: P1291 002 1731	
BUILDING PERMIT	BLDG-NEW	8/8/1938	1938LA24952	HIST: P1291 002 1733	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	NEW CONSTRUCTION	8/8/1938	1938LA24952	IDIS: P5296 02057 0000 thru P5296 0001 HIST: P1291 002 1733	
BUILDING PERMIT	BLDG-NEW	8/5/1948	1948 23426	HIST: P1413 002 0312	
BUILDING PERMIT	BLDG-NEW	8/5/1948	1948LA23426	IDIS: P5452 00310 0000 thru P5452 0001 HIST: P1413 002 0312	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA00721	HIST: P1701 001 1466	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA00722	HIST: P1701 001 1468	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/5/1949	1949 04336	HIST: P1423 002 2588	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/13/1949	1949LA04336	IDIS: P5472 02586 0000 thru P5472 0001 HIST: P1423 002 2588	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/10/1962	1962LA00721	IDIS: P5812 01088 0000 thru P5812 0001 HIST: P1701 001 1466	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/10/1962	1962LA00722	IDIS: P5812 01089 0000 thru P5812 0001 HIST: P1701 001 1468	
CERTIFICATE OF OCCUPANCY			1962LA00721	HIST: O244 1 2925	
CERTIFICATE OF OCCUPANCY		5/3/1962	1962LA00721	IDIS: O0765 01725 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		5/3/1962	1962LA00722	IDIS: O0765 01724 0000 HIST: O303 HIST: O244 1 2924	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16673		
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
RANGE FILE	MISCELLANEOUS	10/4/2016			
RANGE FILE	MISCELLANEOUS	5/31/2019			

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
RANGE FILE	RECORDED DOCUMENT	9/28/2016			
RANGE FILE	RECORDED DOCUMENT	6/18/2019			

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
ADMINISTRATIVE APPROVAL	EXTENSION OF TIME	8/1/1990		HIST: B0170 002 0017 thru B0170 0018	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	8/1/1990		HIST: B0170 002 0017	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	5/13/1994	BF 404	HIST: B0240 003 0443 thru B0240 0444	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	6/14/1994		HIST: B0240 003 0443	
AFFIDAVIT	MAINTENANCE OF BUILDING	2/5/1988	AFF 65055	HIST: M0279 008 0472	
AFFIDAVIT	MAINTENANCE OF BUILDING	7/13/1988	AFF 65725	HIST: M0308 006 0087	
AFFIDAVIT	MISCELLANEOUS	9/19/1936	AFF 718	HIST: M0003 004 0125	
AFFIDAVIT	MISCELLANEOUS	7/17/1947	AFF 10005	HIST: M0005 009 0327	
AFFIDAVIT	MISCELLANEOUS	8/8/1949	AFF 13646	HIST: M0006 011 0265	
AFFIDAVIT	MISCELLANEOUS	7/9/1951	AFF 16258	HIST: M0007 007 0198	
AFFIDAVIT	PARKING	9/27/1949	AF 161	HIST: M0026 001 0254	
AFFIDAVIT	PARKING	9/27/1949	AFF 161	HIST: M0026 001 0254	
BUILDING PERMIT		5/25/1927	1927LA14997	HIST: P1173 001 0357	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA00721	HIST: P1701 001 1466	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA00722	HIST: P1701 001 1468	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA01017	HIST: P1701 001 2090	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA01018	HIST: P1701 001 2092	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA01949	HIST: P1701 002 1606	
BUILDING PERMIT	ALTERATION	7/10/1962	1962LA16175	HIST: P1706 002 0630	
BUILDING PERMIT	ALTERATION	2/10/1963	1963LA31206	HIST: P1712 001 2307	
BUILDING PERMIT	ALTERATION	12/10/1963	1963LA54687	HIST: P1720 001 2045	
BUILDING PERMIT	ALTERATION	4/10/1967	1967LA43427	HIST: P1755 001 0007	
BUILDING PERMIT	ALTERATION	5/10/1967	1967LA45263	HIST: P1755 002 1232	
BUILDING PERMIT	ALTERATION	5/5/1975	1975LA07148	HIST: 00000 000 0000 HIST: P1822 001 0947	
BUILDING PERMIT	ALTERATION	10/17/1987	1987LA78371	HIST: P0166 005 0041	
BUILDING PERMIT	ALTERATION	5/9/1990	1990HO06192	HIST: P0284 002 0305	
BUILDING PERMIT	BLDG-ADDITION	1/17/1907	1907LA00266	HIST: P1006 001 0532 IDIS: P5007 00266 0000 thru P5007 0001	
BUILDING PERMIT	BLDG-ADDITION	12/14/1908	1908LA07062	HIST: P1011 002 1300 IDIS: P5012 01969 0000 thru P5012 0001	
BUILDING PERMIT	BLDG-ADDITION	3/8/1923	1923LA10160	HIST: P1106 001 2533 IDIS: P5135 01266 0000 thru P5135 0001	
BUILDING PERMIT	BLDG-ADDITION	8/5/1924	1924LA31723	HIST: P1134 002 0894 IDIS: P5163 01973 0000 thru P5163 0001	
BUILDING PERMIT	BLDG-ADDITION	3/26/1934	1934LA04166	HIST: P1241 001 2102 IDIS: P5245 01051 0000 thru P5245 0001	
BUILDING PERMIT	BLDG-ADDITION	3/3/1947	1947LA06069	HIST: P1396 001 0585 IDIS: P5418 00582 0000 thru P5418 0001	
BUILDING PERMIT	BLDG-ADDITION	12/2/1949	1949LA28743	HIST: P1428 001 2499 IDIS: P5481 02491 0000 thru P5481 0001	
BUILDING PERMIT	BLDG-ADDITION	11/22/1955	1955LA30367	HIST: P1642 002 2299 IDIS: P5746 03374 0000 thru P5746 0001	
BUILDING PERMIT	BLDG-ADDITION	11/10/1967	1967LA57125	HIST: P1760 002 0231	
BUILDING PERMIT	BLDG-ADDITION	5/26/1982	1982LA43847	HIST: 00000 000 0000	
BUILDING PERMIT	BLDG-ADDITION	2/14/2002	00014-10000-06234	HIST: P764 3 31	
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BUILDING PERMIT	BLDG-ADDITION	2/14/2002	00014-10000-06234	HIST: P0764 003 0031 IDIS: P6514 00387 0000 thru P6514 0002	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/25/1905	1905LA08127	HIST: P1002 003 0821 IDIS: P5003 00412 0000 thru P5003 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/8/1917	1917LA04178	HIST: P1055 001 2758	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/8/1917	1917LA04178	HIST: P1055 001 2758 IDIS: P5081 01378 0000 thru P5081 0001	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	8/5/1924	1924LA31723	HIST: P1134 002 0894	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/14/1924	1924LA45744	HIST: P1139 002 0261	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/14/1924	1924LA45744	HIST: P1139 002 0261 IDIS: P5168 01443 0000 thru P5168 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/25/1927	1927LA14997	HIST: P1173 001 0357 IDIS: P5177 00179 0000 thru P5177 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/4/1930	1930LA28928	HIST: P1215 001 0113	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/4/1930	1930LA28928	HIST: P1215 001 0113 IDIS: P5219 00057 0000 thru P5219 0001	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	1/14/1931	1931LA00828	HIST: P1216 002 0645 IDIS: P5220 00828 0000 thru P5220 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/6/1931	1931LA09430	HIST: P1219 002 0854	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/6/1931	1931LA09430	HIST: P1219 002 0854 IDIS: P5223 01729 0000 thru P5223 0001	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	HIST: P1237 002 1217 IDIS: P5242 00608 0000 thru P5242 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/26/1934	1934LA04166	HIST: P1241 001 2102	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	HIST: P1242 001 0651 IDIS: P5246 00326 0000 thru P5246 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/17/1937	1937LA16370	HIST: P1274 001 1226	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/17/1937	1937LA16370	HIST: P1274 001 1226 IDIS: P5278 01849 0000 thru P5278 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1938	1938LA14000	HIST: P1287 002 2401	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1938	1938LA14000	HIST: P1287 002 2401 IDIS: P5292 02504 0000 thru P5292 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	HIST: P1289 002 1297	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	HIST: P1289 002 1297 IDIS: P5294 01960 0000 thru P5294 0002	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/3/1943	1943 04290	HIST: P1360 002 1463	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/2/1945	1945LA00017	HIST: P IDIS: P5383 00016 0000 thru P5383 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/27/1945	1945LA04188	HIST: P IDIS: P5384 02388 0000 thru P5384 0001	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/4/1945	1945 07859	HIST: P1370 002 0660	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/4/1945	1945LA07859	HIST: P1370 002 0660 IDIS: P5386 00659 0000 thru P5386 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/24/1947	1947 06069	HIST: P1396 001 0585	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/9/1947	1947LA28747	HIST: P1400 001 1493	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/9/1947	1947LA28747	HIST: P1400 001 1493 IDIS: P5426 01497 0000 thru P5426 0001	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	4/13/1949	1949LA04336	HIST: P1423 002 2588 IDIS: P5472 02586 0000 thru P5472 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/25/1949	1949 04737	HIST: P1424 001 0300	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/9/1949	1949LA15930	HIST: P1426 001 0455 IDIS: P5477 00454 0000 thru P5477 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/8/1949	1949LA20872	HIST: P IDIS: P5479 00110 0000 thru P5479 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/3/1949	1949LA23506	HIST: P IDIS: P5479 02744 0000 thru P5479 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/6/1949	1949LA23852	HIST: P1427 002 0237 IDIS: P5480 00237 0000 thru P5480 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/22/1950	1950 17558	HIST: P1441 001 0758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/22/1950	1950LA17558	HIST: P1441 001 0758 IDIS: P5502 00758 0000 thru P5502 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/11/1951	1951LA11889	HIST: P1448 002 0554	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/12/1951	1951LA11889	HIST: P1448 002 0554 IDIS: P5517 00555 0000 thru P5517 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/25/1951	1951WL00137	HIST: P1454 002 1465	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/15/1952	1952LA24830	HIST: P1457 002 0419	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/15/1952	1952LA24830	HIST: P1457 002 0419 IDIS: P5534 00210 0000 thru P5534 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/22/1955	1955LA30367	HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/8/1956	1956LA37369	HIST: P1651 002 2341	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/21/1956	1956LA38439	HIST: P1651 002 2339	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	IDIS: P5795 01753 0000 thru P5795 0001 HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1960	1960LA69466	HIST: P1689 001 1512	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/7/1961	1961LA90191	HIST: P1697 002 3244	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	1/10/1962	1962LA00721	HIST: P1701 001 1466 IDIS: P5812 01088 0000 thru P5812 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/10/1962	1962LA00722	IDIS: P5812 01089 0000 thru P5812 0001 HIST: P1701 001 1468	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	1/16/1962	1962LA01018	IDIS: P5812 01384 0000 thru P5812 0001 HIST: P1701 001 2092	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/29/1962	1962LA01949	IDIS: P5812 02368 0000 thru P5812 0001 HIST: P1701 002 1606	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/25/1962	1962LA16175	HIST: P1706 002 0630 IDIS: P5817 01798 0000 thru P5817 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/20/1963	1963LA31206	HIST: P1712 001 2307 IDIS: P5822 02617 0000 thru P5822 0001	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	5/5/1975	1975LA07148	IDIS: P6543 02340 0000 thru P6543 0001 HIST: P1822 001 0947	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/26/1982	1982LA43847	HIST: P IDIS: P6035 02931 0000 thru P6035 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/17/1987	1987LA78371	HIST: P0166 005 0041 IDIS: P6121 02439 0000 thru P6121 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/9/1990	1990HO06192	HIST: P0284 002 0305 IDIS: P6180 01787 0000 thru P6180 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/5/2004	04016-10000-02179		
BUILDING PERMIT	BLDG-DEMOLITION	9/1/1960	1960LA69466	IDIS: P5795 01751 0000 thru P5795 0001 HIST: P1689 001 1512	
BUILDING PERMIT	BLDG-DEMOLITION	1/10/1962	1962LA01016	HIST: P1701 001 2088	
BUILDING PERMIT	BLDG-DEMOLITION	1/16/1962	1962LA01016	HIST: P1701 001 2088 IDIS: P5812 01382 0000 thru P5812 0001	
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BUILDING PERMIT	BLDG-DEMOLITION	5/31/1963	1963LA39428	HIST: P1715 001 1309 IDIS: P5825 02141 0000 thru P5825 0001	
BUILDING PERMIT	BLDG-DEMOLITION	6/6/1988	1988LA00167		
BUILDING PERMIT	BLDG-DEMOLITION	4/29/2019	18019-10000-05875		
BUILDING PERMIT	BLDG-DEMOLITION	4/29/2019	18019-10000-06391		

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02737		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02738		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02739		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02740		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02741		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02742		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02743		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02744		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02745		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-03052		
BUILDING PERMIT	BLDG-NEW		1949 23005	HIST: P1427 001 2249	
BUILDING PERMIT	BLDG-NEW	5/11/1922	1922LA16101	HIST: P1091 002 3194	
BUILDING PERMIT	BLDG-NEW	5/11/1922	1922LA16101	HIST: P1091 002 3194 IDIS: P5120 03121 0000 thru P5120 0001	
BUILDING PERMIT	BLDG-NEW	6/20/1922	1922LA20995	HIST: P1093 002 1318	
BUILDING PERMIT	BLDG-NEW	6/20/1922	1922LA20995	HIST: P1093 002 1318	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165 IDIS: P5122 02983 0000 thru P5122 0001	
BUILDING PERMIT	BLDG-NEW	7/25/1922	1922LA24881	HIST: P1094 002 3010	
BUILDING PERMIT	BLDG-NEW	7/25/1922	1922LA24881	HIST: P1094 002 3010	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26138	HIST: P1095 001 2230	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26138	HIST: P1095 001 2230	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26138	HIST: P1095 001 2230 IDIS: P5124 01109 0000 thru P5124 0001	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	HIST: P1095 001 2232	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	HIST: P1095 001 2232	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	IDIS: P5124 01110 0000 thru P5124 0001 HIST: P1095 001 2232	
BUILDING PERMIT	BLDG-NEW	10/3/1922	1922LA34528	HIST: P1098 001 1273	
BUILDING PERMIT	BLDG-NEW	10/3/1922	1922LA34528	HIST: P1098 001 1273 IDIS: P5127 00632 0000 thru P5127 0001	
BUILDING PERMIT	BLDG-NEW	10/30/1922	1922LA38879	HIST: P1099 002 1646	
BUILDING PERMIT	BLDG-NEW	10/30/1922	1922LA38879	HIST: P1099 002 1646 IDIS: P5128 02031 0000 thru P5128 0001	
BUILDING PERMIT	BLDG-NEW	6/15/1926	1926LA17815	HIST: P1161 002 2018	

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BUILDING PERMIT	BLDG-NEW	3/21/1933	1933LA03590	HIST: P1234 001 2219	
BUILDING PERMIT	BLDG-NEW	3/21/1933	1933LA03590	HIST: P1234 001 2219 IDIS: P5238 02664 0000 thru P5238 0001	
BUILDING PERMIT	BLDG-NEW	8/26/1946	1946 19852	HIST: P1382 002 0471	
BUILDING PERMIT	BLDG-NEW	8/18/1960	1960LA68479	HIST: P1689 001 1506	
BUILDING PERMIT	BLDG-NEW	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-NEW	10/21/1960	1960LA73166	HIST: P1689 001 1502	
BUILDING PERMIT	BLDG-NEW	10/21/1960	1960LA73218	HIST: P1689 001 1500	
BUILDING PERMIT	BLDG-NEW	8/10/1970	1970LA13656	HIST: P1786 001 1773	
BUILDING PERMIT	BLDG-RELOCATION	3/1/1946	1946LA05677	HIST: P1377 001 0553 IDIS: P5398 00277 0000 thru P5398 0001	
BUILDING PERMIT	BLDG-RELOCATION	2/4/1947	1947LA02226	HIST: P1395 001 2227 IDIS: P5416 02226 0000 thru P5416 0001	
BUILDING PERMIT	BLDG-RELOCATION	4/3/1967	1967LA43427	HIST: P1755 001 0007 IDIS: P5870 02634 0000 thru P5870 0001	
BUILDING PERMIT	GRADING	7/23/1915	1915LA11477	HIST: P1049 001 1955	
BUILDING PERMIT	GRADING	10/21/1960	1960LA73167	HIST: P1689 001 1504	
BUILDING PERMIT	GRADING	10/21/1960	1960LA73167	IDIS: P5795 01748 0000 thru P5795 0001 HIST: P1689 001 1504	
BUILDING PERMIT	GRADING	2/10/1966	1966LA10092	HIST: P1745 001 2287	
BUILDING PERMIT	GRADING	2/11/1966	1966LA10092	HIST: P1745 001 2287 IDIS: P5860 01548 0000 thru P5860 0001	
BUILDING PERMIT	GRADING	4/30/1975	1975LA06951	HIST: 00000 000 0000 HIST: P1822 001 0551	
BUILDING PERMIT	GRADING	4/30/1975	1975LA06951	HIST: P1822 001 0551 IDIS: P6543 02341 0000 thru P6543 0001	
BUILDING PERMIT	NEW CONSTRUCTION	4/13/1908	1908LA02029	HIST: P1009 002 2099 IDIS: P5010 02027 0000 thru P5010 0001	
BUILDING PERMIT	NEW CONSTRUCTION	6/20/1922	1922LA20995	IDIS: P5122 02066 0000 thru P5122 0001 HIST: P1093 002 1318	
BUILDING PERMIT	NEW CONSTRUCTION	7/25/1922	1922LA24881	HIST: P1094 002 3010 IDIS: P5123 02931 0000 thru P5123 0001	
BUILDING PERMIT	NEW CONSTRUCTION	6/15/1926	1926LA17815	HIST: P1161 002 2018 IDIS: P5048 01009 0000 thru P5048 0001	
BUILDING PERMIT	NEW CONSTRUCTION	9/28/1949	1949LA23005	HIST: P IDIS: P5479 02243 0000 thru P5479 0001	
BUILDING PERMIT	NEW CONSTRUCTION	10/21/1960	1960LA73218	HIST: P1689 001 1500 IDIS: P5795 01746 0000 thru P5795 0001	
BUILDING PERMIT	NEW CONSTRUCTION	1/10/1962	1962LA01948	HIST: P1701 002 1604	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	NEW CONSTRUCTION	1/29/1962	1962LA01948	HIST: P1701 002 1604 IDIS: P5812 02367 0000 thru P5812 0001	
BUILDING PERMIT	NEW CONSTRUCTION	11/10/1963	1963LA10558	HIST: P1719 002 0481	
BUILDING PERMIT	NEW CONSTRUCTION	11/15/1963	1963LA10558	HIST: P1719 002 0481 IDIS: P5830 00025 0000 thru P5830 0001	
BUILDING PERMIT	NEW CONSTRUCTION	4/30/1975	1975LA06950	HIST: 00000 000 0000 HIST: P1822 001 0549	
BUILDING PERMIT	NEW CONSTRUCTION	4/30/1975	1975LA06950	IDIS: P6543 02339 0000 thru P6543 0002 HIST: P1822 001 0549	
BUILDING PERMIT	NONBLDG-ADDITION	12/19/1963	1963LA54687	HIST: P1720 001 2045 IDIS: P5830 02519 0000 thru P5830 0001	
BUILDING PERMIT	NONBLDG-NEW	10/21/1960	1960LA73166	IDIS: P5795 01747 0000 thru P5795 0001 HIST: P1689 001 1502	
BUILDING PERMIT	NONBLDG-NEW	10/7/2002	02020-10000-02775	HIST: P783 8 241	
BUILDING PERMIT	NONBLDG-NEW	10/7/2002	02020-10000-02775		
BUILDING PERMIT	NONBLDG-NEW	10/7/2002	02020-10000-02775	HIST: P0783 008 0241 IDIS: P6533 01375 0000 thru P6533 0002	
BUILDING PERMIT	SIGN	3/8/1956	1956LA37389	IDIS: P5755 03374 0000 thru P5755 0001 HIST: P1651 002 2341	
BUILDING PERMIT	SIGN	3/21/1956	1956LA38439	HIST: P1651 002 2339 IDIS: P5755 03373 0000 thru P5755 0001	
BUILDING PERMIT	SIGN	8/18/1960	1960LA68479	IDIS: P5795 01749 0000 thru P5795 0001 HIST: P1689 001 1506	
BUILDING PERMIT	SIGN	7/27/1962	1962LA16415	HIST: P1706 002 1114 IDIS: P5817 02038 0000 thru P5817 0001	
BUILDING PERMIT	SIGN	1/10/1965	1965LA86330	HIST: P1734 001 2713	
BUILDING PERMIT	SIGN	1/20/1965	1965LA86330	HIST: P1734 001 2713 IDIS: P5848 03103 0000 thru P5848 0001	
BUILDING PERMIT	SIGN	3/10/1967	1967LA42408	HIST: P1754 002 0705	
BUILDING PERMIT	SIGN	3/15/1967	1967LA42408	HIST: P1754 002 0705 IDIS: P5870 01613 0000 thru P5870 0001	
BUILDING PERMIT	SIGN	5/2/1967	1967LA45263	HIST: P1755 002 1232 IDIS: P5871 00613 0000 thru P5871 0001	
BUILDING PERMIT	SIGN	8/11/1970	1970LA13656	HIST: P1786 001 1773 IDIS: P5902 02199 0000 thru P5902 0001	
BUILDING PERMIT	SIGN	2/4/1977	1977LA39422	HIST: 00000 000 0000 HIST: P1836 002 0632	
BUILDING PERMIT	SIGN	2/4/1977	1977LA39422	HIST: P1836 002 0632 IDIS: P5950 01791 0000 thru P5950 0001	
CERTIFICATE OF OCCUPANCY			1962LA00721	HIST: O244 1 2925	

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CERTIFICATE OF OCCUPANCY			1965LA86330	HIST: O244 1 2880	
CERTIFICATE OF OCCUPANCY			1975LA06950	HIST: O301 4 2116	
CERTIFICATE OF OCCUPANCY			1975LA06950	HIST: O324 1 1043	
CERTIFICATE OF OCCUPANCY		1/22/1947	1946LA05677	IDIS: O0765 01715 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		9/17/1947	1947LA06069	IDIS: O0765 01723 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/1/1948	1947LA02226	IDIS: O0765 01722 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA15930	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA20872	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23506	IDIS: O0765 01714 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23852	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/15/1951	1950LA17558	IDIS: O0765 01720 0000 HIST: O303 HIST: O244 1 2917	
CERTIFICATE OF OCCUPANCY		7/6/1956	1955LA30367	IDIS: O0765 01712 0000 HIST: O303 HIST: O244 1 2902	
CERTIFICATE OF OCCUPANCY		3/8/1961	1960LA68479	IDIS: O0765 01698 0000 HIST: O303 HIST: O244 1 2871	
CERTIFICATE OF OCCUPANCY		4/21/1961	1960LA73218	IDIS: O0765 01700 0000 HIST: O303 HIST: O244 1 2873	
CERTIFICATE OF OCCUPANCY		6/13/1961	1961LA90191	HIST: O244 1 2869 IDIS: O0765 01697 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		8/4/1961		HIST: O303 IDIS: O0765 01708 0000	
CERTIFICATE OF OCCUPANCY		5/3/1962	1962LA00721	IDIS: O0765 01725 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		5/3/1962	1962LA00722	IDIS: O0765 01724 0000 HIST: O303 HIST: O244 1 2924	
CERTIFICATE OF OCCUPANCY		7/9/1962	1962LA00721	HIST: O195 1 1524	
CERTIFICATE OF OCCUPANCY		4/30/1964	1962LA01018	IDIS: O0765 01705 0000 HIST: O303 HIST: O244 1 2884	
CERTIFICATE OF OCCUPANCY		4/30/1964	1963LA31206	IDIS: O0765 01705 0000 HIST: O303 HIST: O244 1 2884	
CERTIFICATE OF OCCUPANCY		7/1/1964	1963LA10558	IDIS: O0765 01699 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		4/2/1965	1965LA86330	IDIS: O0765 01704 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA01948	IDIS: O0765 01706 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA01949	IDIS: O0765 01707 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA19480	HIST: O244 1 2886	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA19490	HIST: O244 1 2887	
CERTIFICATE OF OCCUPANCY		8/28/1975	1975LA06950	IDIS: O0835 00506 0000 HIST: O464	
CERTIFICATE OF OCCUPANCY		9/30/1975	1975LA06950	HIST: O324 1 1040	

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CERTIFICATE OF OCCUPANCY		9/30/1975	1975LA06950	HIST: O464 IDIS: O0835 00505 0000	
CERTIFICATE OF OCCUPANCY		8/30/2004	02020-10000-02775	IDIS: O1014 00852 0000 thru O1014 00852 0000	
CERTIFICATE OF OCCUPANCY-TEMP		6/28/1975	1975LA06950	HIST: O419 IDIS: O0812 02127 0000	
COMMISSION	BAAB BOARD FILE	1/24/1966		HIST: G0004 006 0231	
COMMISSION	BAAB BOARD FILE	1/24/1966		HIST: G0004 006 0231 thru G0004 006 0241	
CONVEYANCE COMMERCIAL	REINSPECTION REPORT	12/27/2016	95222		
CONVEYANCE COMMERCIAL	REINSPECTION REPORT	12/27/2016	95223		
ELECTRICAL PERMIT		5/26/1989	0589E235	HIST: T0175 004 0323	
ELECTRICAL PERMIT		6/21/1989	0689E5683	HIST: T0177 006 0157	
ELECTRICAL PERMIT		6/21/1989	0689E5684	HIST: T0177 006 0156	
ELECTRICAL PERMIT		11/1/2012	12041-90000-26261		
ELECTRICAL PERMIT		11/1/2012	12041-90000-26262		
EQ-COMPLIANCE CERT		10/3/1990	1990HO06192	HIST: M0533 003 0460	
GRADING	DEPARTMENT LETTER	7/16/1979		HIST: G0106 017 0236	
GRADING	GRADING CERTIFICATE	4/1/1976	1975LA06951	HIST: O0400 001 0285	
GRADING	GRADING PRE-INSP REPT	11/26/1965		HIST: G0004 006 0241	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	SOILS & GEOLOGY FILE	11/8/1965		HIST: G0004 006 0233	
GRADING	SOILS & GEOLOGY FILE	8/31/1978		HIST: G0106 017 0238	
GRADING	SOILS & GEOLOGY FILE	9/15/1978		HIST: G0106 017 0252	
GRADING	SOILS & GEOLOGY FILE	7/16/1979		HIST: G0106 017 0236 thru G0106 017 0259	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M0914 002 0038 thru M0914 0077	

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GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193 thru M1031 0231	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
GRADING	SOILS & GEOLOGY FILE	6/24/2014			
GRADING	SOILS & GEOLOGY FILE	9/23/2014			
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222	
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222 thru G0097 011 0225	
MECHANICAL PERMIT	PLUMBING	7/23/1915	1915LA11477	HIST: P1049 001 1955 IDIS: P5075 00977 0000 thru P5075 0001	
MECHANICAL PERMIT	PLUMBING	11/1/2012	12042-90000-20099		
MECHANICAL PERMIT	PLUMBING	11/1/2012	12042-90000-20101		
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16484		
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16485		
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16486		
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16645		
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16651		
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16654		
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16662		
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16673		
OVERSIZED DOCUMENT	GRADING	5/10/1994		HIST: J0902 001 0327	
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
PLAN MAINTENANCE		4/30/1975	1975LA06950	HIST: M912 4 464	
PLAN MAINTENANCE		4/30/1975	1975LA06950	HIST: J4228 01 89	
PLAN MAINTENANCE		4/30/1975	1975LA06951	HIST: M912 4 464	
PLAN MAINTENANCE		4/30/1975	1975LA06951	HIST: J4228 01 89	
PLAN MAINTENANCE		5/9/1990	1990HO06192	HIST: J0375 001 0531	
PLAN MAINTENANCE		2/14/2002	00014-10000-06234	HIST: J1613 1 21	
RANGE FILE	MISCELLANEOUS	5/16/1969		HIST: R0130 006 0213	
RANGE FILE	MISCELLANEOUS	12/13/1991		HIST: M0710 001 0356	
RANGE FILE	MISCELLANEOUS	12/13/1991		HIST: M0710 001 0356 thru M0710 0359	
RANGE FILE	MISCELLANEOUS	7/17/1992		HIST: M0779 003 0290	

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RANGE FILE	MISCELLANEOUS	7/17/1992		HIST: M0779 003 0290 thru M0779 0295	
RANGE FILE	MISCELLANEOUS	8/9/1993		HIST: M0858 008 0077	
RANGE FILE	MISCELLANEOUS	8/9/1993		HIST: M0858 008 0077 thru M0858 0081	
RANGE FILE	MISCELLANEOUS	9/13/1993		HIST: M0858 005 0133	
RANGE FILE	MISCELLANEOUS	9/13/1993		HIST: M0858 005 0133 thru M0858 0137	
RANGE FILE	MISCELLANEOUS	11/16/2005		IDIS: R598 00587 0000 thru R598 00587 0004	
RANGE FILE	MISCELLANEOUS	1/30/2006		IDIS: R598 00586 0000 thru R598 00586 0001	
RANGE FILE	MISCELLANEOUS	2/17/2006		IDIS: R640 00386 0000 thru R640 00386 0006	
RANGE FILE	MISCELLANEOUS	4/30/2007		IDIS: R681 00645 0000 thru R681 00645 0006	
RANGE FILE	MISCELLANEOUS	5/7/2007		IDIS: R681 00646 0000 thru R681 00646 0004	
RANGE FILE	MISCELLANEOUS	6/30/2009		IDIS: R762 00560 0000 thru R762 00560 0001	
RANGE FILE	MISCELLANEOUS	7/7/2009		IDIS: R762 00561 0000 thru R762 00561 0002	
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RANGE FILE	MISCELLANEOUS	11/21/2019			
RANGE FILE	RECORDED DOCUMENT	9/28/2016			
RANGE FILE	RECORDED DOCUMENT	9/28/2016			

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RANGE FILE	RECORDED DOCUMENT	6/18/2019			
RANGE FILE	RECORDED DOCUMENT	7/3/2019			

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/5/1924	1924LA31723	HIST: P1134 002 0894	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA00721	HIST: P1701 001 1466	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA00722	HIST: P1701 001 1468	
BUILDING PERMIT	BLDG-ADDITION	1/17/1907	1907LA00266	IDIS: P5007 00266 0000 thru P5007 0001 HIST: P1006 001 0532	
BUILDING PERMIT	BLDG-ADDITION	3/3/1947	1947LA06069	IDIS: P5418 00582 0000 thru P5418 0001 HIST: P1396 001 0585	
BUILDING PERMIT	BLDG-ADDITION	12/2/1949	1949LA28743	IDIS: P5481 02491 0000 thru P5481 0001 HIST: P1428 001 2499	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/24/1947	1947 06069	HIST: P1396 001 0585	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/5/1949	1949 04336	HIST: P1423 002 2588	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02745		
BUILDING PERMIT	BLDG-RELOCATION	2/4/1947	1947LA02226	IDIS: P5416 02226 0000 thru P5416 0001 HIST: P1395 001 2227	
CERTIFICATE OF OCCUPANCY			1962LA00721	HIST: O244 1 2925	
CERTIFICATE OF OCCUPANCY		9/17/1947	1947LA06069	IDIS: O0765 01723 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/1/1948	1947LA02226	IDIS: O0765 01722 0000 HIST: O303	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16651		

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16673		
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
RANGE FILE	MISCELLANEOUS	10/4/2016			
RANGE FILE	MISCELLANEOUS	5/31/2019			
RANGE FILE	RECORDED DOCUMENT	9/28/2016			
RANGE FILE	RECORDED DOCUMENT	6/18/2019			

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
AFFIDAVIT	MISCELLANEOUS	8/8/1949	AFF 13646	HIST: M0006 011 0265	
BUILDING PERMIT	BLDG-ADDITION	11/10/1967	1967LA57125	HIST: P1760 002 0231	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	HIST: P1237 002 1217	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	IDIS: P5242 00608 0000 thru P5242 0001 HIST: P1237 002 1217	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	IDIS: P5246 00326 0000 thru P5246 0001 HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/8/1949	1949LA20872	IDIS: P5479 00110 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/6/1949	1949LA23852	IDIS: P5480 00237 0000 thru P5480 0001 HIST: P1427 002 0237	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/27/1967	1967LA57125	IDIS: P5874 01248 0000 thru P5874 0001 HIST: P1760 002 0231	
BUILDING PERMIT	SIGN	7/27/1962	1962LA16415	IDIS: P5817 02038 0000 thru P5817 0001 HIST: P1706 002 1114	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA15930	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA20872	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23852	IDIS: O0765 01717 0000 HIST: O303	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
AFFIDAVIT	MISCELLANEOUS	8/8/1949	AFF 13646	HIST: M0006 011 0265	
BUILDING PERMIT	BLDG-ADDITION	11/10/1967	1967LA57125	HIST: P1760 002 0231	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/4/1930	1930LA28928	HIST: P1215 001 0113	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/4/1930	1930LA28928	IDIS: P5219 00057 0000 thru P5219 0001 HIST: P1215 001 0113	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	HIST: P1237 002 1217	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	IDIS: P5242 00608 0000 thru P5242 0001 HIST: P1237 002 1217	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	IDIS: P5246 00326 0000 thru P5246 0001 HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/9/1949	1949LA15930	IDIS: P5477 00454 0000 thru P5477 0001 HIST: P1426 001 0455	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/8/1949	1949LA20872	IDIS: P5479 00110 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/6/1949	1949LA23852	IDIS: P5480 00237 0000 thru P5480 0001 HIST: P1427 002 0237	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/27/1967	1967LA57125	IDIS: P5874 01248 0000 thru P5874 0001 HIST: P1760 002 0231	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-NEW	7/25/1922	1922LA24881	HIST: P1094 002 3010	
BUILDING PERMIT	NEW CONSTRUCTION	7/25/1922	1922LA24881	IDIS: P5123 02931 0000 thru P5123 0001 HIST: P1094 002 3010	
BUILDING PERMIT	SIGN	7/27/1962	1962LA16415	IDIS: P5817 02038 0000 thru P5817 0001 HIST: P1706 002 1114	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA15930	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA20872	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23852	IDIS: O0765 01717 0000 HIST: O303	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
AFFIDAVIT	MISCELLANEOUS	7/17/1947	AFF 10005	HIST: M0005 009 0327	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1938	1938LA14000	HIST: P1287 002 2401	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1938	1938LA14000	IDIS: P5292 02504 0000 thru P5292 0001 HIST: P1287 002 2401	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	HIST: P1289 002 1297	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	IDIS: P5294 01960 0000 thru P5294 0002 HIST: P1289 002 1297	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/6/1949	1949LA23852	IDIS: P5480 00237 0000 thru P5480 0001 HIST: P1427 002 0237	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/22/1950	1950 17558	HIST: P1441 001 0758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/22/1950	1950LA17558	IDIS: P5502 00758 0000 thru P5502 0001 HIST: P1441 001 0758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/11/1951	1951LA11889	HIST: P1448 002 0554	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/12/1951	1951LA11889	IDIS: P5517 00555 0000 thru P5517 0001 HIST: P1448 002 0554	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA15930	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA20872	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23852	IDIS: O0765 01717 0000 HIST: O303	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
CERTIFICATE OF OCCUPANCY		1/15/1951	1950LA17558	IDIS: O0765 01720 0000 HIST: O303 HIST: O244 1 2917	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
AFFIDAVIT	MISCELLANEOUS	7/17/1947	AFF 10005	HIST: M0005 009 0327	
AFFIDAVIT	MISCELLANEOUS	8/8/1949	AFF 13646	HIST: M0006 011 0265	
BUILDING PERMIT	BLDG-ADDITION	11/10/1967	1967LA57125	HIST: P1760 002 0231	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/4/1930	1930LA28928	HIST: P1215 001 0113	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/4/1930	1930LA28928	IDIS: P5219 00057 0000 thru P5219 0001 HIST: P1215 001 0113	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/14/1931	1931LA00828	HIST: P1216 002 0645	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/14/1931	1931LA00828	IDIS: P5220 00828 0000 thru P5220 0001 HIST: P1216 002 0645	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	HIST: P1237 002 1217	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1933	1933LA12843	IDIS: P5242 00608 0000 thru P5242 0001 HIST: P1237 002 1217	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/15/1934	1934LA06374	IDIS: P5246 00326 0000 thru P5246 0001 HIST: P1242 001 0651	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1938	1938LA14000	HIST: P1287 002 2401	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1938	1938LA14000	IDIS: P5292 02504 0000 thru P5292 0001 HIST: P1287 002 2401	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	HIST: P1289 002 1297	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	IDIS: P5294 01960 0000 thru P5294 0002 HIST: P1289 002 1297	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/8/1949	1949LA20872	IDIS: P5479 00110 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/6/1949	1949LA23852	IDIS: P5480 00237 0000 thru P5480 0001 HIST: P1427 002 0237	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/22/1950	1950 17558	HIST: P1441 001 0758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/22/1950	1950LA17558	IDIS: P5502 00758 0000 thru P5502 0001 HIST: P1441 001 0758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/11/1951	1951LA11889	HIST: P1448 002 0554	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/12/1951	1951LA11889	IDIS: P5517 00555 0000 thru P5517 0001 HIST: P1448 002 0554	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/27/1967	1967LA57125	IDIS: P5874 01248 0000 thru P5874 0001 HIST: P1760 002 0231	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02744		
BUILDING PERMIT	BLDG-NEW	7/25/1922	1922LA24881	HIST: P1094 002 3010	
BUILDING PERMIT	BLDG-NEW	7/25/1922	1922LA24881	HIST: P1094 002 3010	
BUILDING PERMIT	BLDG-NEW	10/3/1922	1922LA34528	HIST: P1098 001 1273	
BUILDING PERMIT	BLDG-NEW	10/3/1922	1922LA34528	IDIS: P5127 00632 0000 thru P5127 0001 HIST: P1098 001 1273	
BUILDING PERMIT	NEW CONSTRUCTION	7/25/1922	1922LA24881	IDIS: P5123 02931 0000 thru P5123 0001 HIST: P1094 002 3010	
BUILDING PERMIT	SIGN	7/27/1962	1962LA16415	IDIS: P5817 02038 0000 thru P5817 0001 HIST: P1706 002 1114	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA15930	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA20872	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23852	IDIS: O0765 01717 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/15/1951	1950LA17558	IDIS: O0765 01720 0000 HIST: O303 HIST: O244 1 2917	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
MECHANICAL PERMIT	PLUMBING	8/16/2021	21042-90000-16645		
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ADDITION	11/22/1955	1955LA30367	IDIS: P5746 03374 0000 thru P5746 0001 HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/22/1955	1955LA30367	HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/8/1956	1956LA37369	HIST: P1651 002 2341	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/21/1956	1956LA38439	HIST: P1651 002 2339	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	IDIS: P5795 01753 0000 thru P5795 0001 HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-NEW	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	SIGN	3/8/1956	1956LA37389	IDIS: P5755 03374 0000 thru P5755 0001 HIST: P1651 002 2341	
BUILDING PERMIT	SIGN	3/21/1956	1956LA38439	IDIS: P5755 03373 0000 thru P5755 0001 HIST: P1651 002 2339	
CERTIFICATE OF OCCUPANCY		7/6/1956	1955LA30367	IDIS: O0765 01712 0000 HIST: O303 HIST: O244 1 2902	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
ADMINISTRATIVE APPROVAL	EXTENSION OF TIME	8/1/1990		HIST: B0170 002 0017 thru B0170 0018	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	5/13/1994	BF 404	HIST: B0240 003 0443 thru B0240 0444	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	6/14/1994		HIST: B0240 003 0443	
AFFIDAVIT	MISCELLANEOUS	7/9/1951	AFF 16258	HIST: M0007 007 0198	
BUILDING PERMIT	ALTERATION	10/17/1987	1987LA78371	HIST: P0166 005 0041	
BUILDING PERMIT	ALTERATION	5/9/1990	1990HO06192	HIST: P0284 002 0305	
BUILDING PERMIT	BLDG-ADDITION	11/22/1955	1955LA30367	IDIS: P5746 03374 0000 thru P5746 0001 HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/9/1947	1947LA28747	HIST: P1400 001 1493	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/9/1947	1947LA28747	IDIS: P5426 01497 0000 thru P5426 0001 HIST: P1400 001 1493	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/3/1949	1949LA23506	IDIS: P5479 02744 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/22/1955	1955LA30367	HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/8/1956	1956LA37369	HIST: P1651 002 2341	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/21/1956	1956LA38439	HIST: P1651 002 2339	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	HIST: P1689 001 1518	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	IDIS: P5795 01753 0000 thru P5795 0001 HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/17/1987	1987LA78371	IDIS: P6121 02439 0000 thru P6121 0001 HIST: P0166 005 0041	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/9/1990	1990HO06192	IDIS: P6180 01787 0000 thru P6180 0001 HIST: P0284 002 0305	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02743		
BUILDING PERMIT	BLDG-NEW	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-RELOCATION	3/1/1946	1946LA05677	IDIS: P5398 00277 0000 thru P5398 0001 HIST: P1377 001 0553	
BUILDING PERMIT	SIGN	3/8/1956	1956LA37389	IDIS: P5755 03374 0000 thru P5755 0001 HIST: P1651 002 2341	
BUILDING PERMIT	SIGN	3/21/1956	1956LA38439	IDIS: P5755 03373 0000 thru P5755 0001 HIST: P1651 002 2339	
CERTIFICATE OF OCCUPANCY		1/22/1947	1946LA05677	IDIS: O0765 01715 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23506	IDIS: O0765 01714 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		7/6/1956	1955LA30367	IDIS: O0765 01712 0000 HIST: O303 HIST: O244 1 2902	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M0914 002 0038 thru M0914 0077	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193 thru M1031 0231	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222	
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222 thru G0097 011 0225	
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16486		
OVERSIZED DOCUMENT	GRADING	5/10/1994		HIST: J0902 001 0327	
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
RANGE FILE	MISCELLANEOUS	11/16/2005		IDIS: R598 00587 0000 thru R598 00587 0004	
RANGE FILE	MISCELLANEOUS	2/17/2006		IDIS: R640 00386 0000 thru R640 00386 0006	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
RANGE FILE	MISCELLANEOUS	7/7/2009		IDIS: R762 00561 0000 thru R762 00561 0002	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
ADMINISTRATIVE APPROVAL	EXTENSION OF TIME	8/1/1990		HIST: B0170 002 0017 thru B0170 0018	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	5/13/1994	BF 404	HIST: B0240 003 0443 thru B0240 0444	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	6/14/1994		HIST: B0240 003 0443	
AFFIDAVIT	MAINTENANCE OF BUILDING	2/5/1988	AFF 65055	HIST: M0279 008 0472	
AFFIDAVIT	MAINTENANCE OF BUILDING	7/13/1988	AFF 65725	HIST: M0308 006 0087	
AFFIDAVIT	MISCELLANEOUS	7/9/1951	AFF 16258	HIST: M0007 007 0198	
BUILDING PERMIT	ALTERATION	10/17/1987	1987LA78371	HIST: P0166 005 0041	
BUILDING PERMIT	ALTERATION	5/9/1990	1990HO06192	HIST: P0284 002 0305	
BUILDING PERMIT	BLDG-ADDITION	11/22/1955	1955LA30367	IDIS: P5746 03374 0000 thru P5746 0001 HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/3/1949	1949LA23506	IDIS: P5479 02744 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/22/1955	1955LA30367	HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/8/1956	1956LA37369	HIST: P1651 002 2341	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/21/1956	1956LA38439	HIST: P1651 002 2339	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	IDIS: P5795 01753 0000 thru P5795 0001 HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/17/1987	1987LA78371	IDIS: P6121 02439 0000 thru P6121 0001 HIST: P0166 005 0041	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/9/1990	1990HO06192	IDIS: P6180 01787 0000 thru P6180 0001 HIST: P0284 002 0305	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02743		
BUILDING PERMIT	BLDG-NEW	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-RELOCATION	3/1/1946	1946LA05677	IDIS: P5398 00277 0000 thru P5398 0001 HIST: P1377 001 0553	
BUILDING PERMIT	SIGN	3/8/1956	1956LA37389	IDIS: P5755 03374 0000 thru P5755 0001 HIST: P1651 002 2341	
BUILDING PERMIT	SIGN	3/21/1956	1956LA38439	IDIS: P5755 03373 0000 thru P5755 0001 HIST: P1651 002 2339	
CERTIFICATE OF OCCUPANCY		1/22/1947	1946LA05677	IDIS: O0765 01715 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23506	IDIS: O0765 01714 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		7/6/1956	1955LA30367	IDIS: O0765 01712 0000 HIST: O303 HIST: O244 1 2902	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M0914 002 0038 thru M0914 0077	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193 thru M1031 0231	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222	
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222 thru G0097 011 0225	
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16486		
OVERSIZED DOCUMENT	GRADING	5/10/1994		HIST: J0902 001 0327	
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
RANGE FILE	MISCELLANEOUS	11/16/2005		IDIS: R598 00587 0000 thru R598 00587 0004	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
RANGE FILE	MISCELLANEOUS	2/17/2006		IDIS: R640 00386 0000 thru R640 00386 0006	
RANGE FILE	MISCELLANEOUS	7/7/2009		IDIS: R762 00561 0000 thru R762 00561 0002	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
ADMINISTRATIVE APPROVAL	EXTENSION OF TIME	8/1/1990		HIST: B0170 002 0017 thru B0170 0018	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	8/1/1990		HIST: B0170 002 0017	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	5/13/1994	BF 404	HIST: B0240 003 0443 thru B0240 0444	
ADMINISTRATIVE APPROVAL	MISCELLANEOUS	6/14/1994		HIST: B0240 003 0443	
AFFIDAVIT	MAINTENANCE OF BUILDING	2/5/1988	AFF 65055	HIST: M0279 008 0472	
AFFIDAVIT	MAINTENANCE OF BUILDING	7/13/1988	AFF 65725	HIST: M0308 006 0087	
AFFIDAVIT	MISCELLANEOUS	7/9/1951	AFF 16258	HIST: M0007 007 0198	
AFFIDAVIT	PARKING	9/27/1949	AF 161	HIST: M0026 001 0254	
AFFIDAVIT	PARKING	9/27/1949	AFF 161	HIST: M0026 001 0254	
BUILDING PERMIT		5/25/1927	1927LA14997	HIST: P1173 001 0357	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA01949	HIST: P1701 002 1606	
BUILDING PERMIT	ALTERATION	7/10/1962	1962LA16175	HIST: P1706 002 0630	
BUILDING PERMIT	ALTERATION	10/17/1987	1987LA78371	HIST: P0166 005 0041	
BUILDING PERMIT	ALTERATION	5/9/1990	1990HO06192	HIST: P0284 002 0305	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ADDITION	3/26/1934	1934LA04166	IDIS: P5245 01051 0000 thru P5245 0001 HIST: P1241 001 2102	
BUILDING PERMIT	BLDG-ADDITION	11/22/1955	1955LA30367	IDIS: P5746 03374 0000 thru P5746 0001 HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/25/1927	1927LA14997	IDIS: P5177 00179 0000 thru P5177 0001 HIST: P1173 001 0357	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/26/1934	1934LA04166	HIST: P1241 001 2102	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/17/1937	1937LA16370	HIST: P1274 001 1226	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/17/1937	1937LA16370	IDIS: P5278 01849 0000 thru P5278 0001 HIST: P1274 001 1226	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/3/1943	1943 04290	HIST: P1360 002 1463	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/2/1945	1945LA00017	IDIS: P5383 00016 0000 thru P5383 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/3/1949	1949LA23506	IDIS: P5479 02744 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/25/1951	1951WL00137	HIST: P1454 002 1465	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/22/1955	1955LA30367	HIST: P1642 002 2299	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/29/1960	1960LA69154	IDIS: P5795 01753 0000 thru P5795 0001 HIST: P1689 001 1518	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/29/1962	1962LA01949	IDIS: P5812 02368 0000 thru P5812 0001 HIST: P1701 002 1606	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/25/1962	1962LA16175	IDIS: P5817 01798 0000 thru P5817 0001 HIST: P1706 002 0630	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/17/1987	1987LA78371	IDIS: P6121 02439 0000 thru P6121 0001 HIST: P0166 005 0041	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/9/1990	1990HO06192	IDIS: P6180 01787 0000 thru P6180 0001 HIST: P0284 002 0305	
BUILDING PERMIT	BLDG-DEMOLITION	6/6/1988	1988LA00167		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02742		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02743		
BUILDING PERMIT	BLDG-NEW		1949 23005	HIST: P1427 001 2249	
BUILDING PERMIT	BLDG-NEW	6/15/1926	1926LA17815	HIST: P1161 002 2018	
BUILDING PERMIT	BLDG-NEW	8/26/1946	1946 19852	HIST: P1382 002 0471	
BUILDING PERMIT	BLDG-RELOCATION	3/1/1946	1946LA05677	IDIS: P5398 00277 0000 thru P5398 0001 HIST: P1377 001 0553	
BUILDING PERMIT	GRADING	2/10/1966	1966LA10092	HIST: P1745 001 2287	
BUILDING PERMIT	GRADING	2/11/1966	1966LA10092	IDIS: P5860 01548 0000 thru P5860 0001 HIST: P1745 001 2287	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	NEW CONSTRUCTION	6/15/1926	1926LA17815	IDIS: P5048 01009 0000 thru P5048 0001 HIST: P1161 002 2018	
BUILDING PERMIT	NEW CONSTRUCTION	9/28/1949	1949LA23005	IDIS: P5479 02243 0000 thru P5479 0001 HIST: P	
BUILDING PERMIT	NEW CONSTRUCTION	1/10/1962	1962LA01948	HIST: P1701 002 1604	
BUILDING PERMIT	NEW CONSTRUCTION	1/29/1962	1962LA01948	IDIS: P5812 02367 0000 thru P5812 0001 HIST: P1701 002 1604	
BUILDING PERMIT	SIGN	2/4/1977	1977LA39422	HIST: 00000 000 0000 HIST: P1836 002 0632	
BUILDING PERMIT	SIGN	2/4/1977	1977LA39422	IDIS: P5950 01791 0000 thru P5950 0001 HIST: P1836 002 0632	
CERTIFICATE OF OCCUPANCY		1/22/1947	1946LA05677	IDIS: O0765 01715 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		1/10/1950	1949LA23506	IDIS: O0765 01714 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		7/6/1956	1955LA30367	IDIS: O0765 01712 0000 HIST: O303 HIST: O244 1 2902	
CERTIFICATE OF OCCUPANCY		8/4/1961		IDIS: O0765 01708 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA01948	IDIS: O0765 01706 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA01949	IDIS: O0765 01707 0000 HIST: O303	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA19480	HIST: O244 1 2886	
CERTIFICATE OF OCCUPANCY		10/1/1965	1962LA19490	HIST: O244 1 2887	
COMMISSION	BAAB BOARD FILE	1/24/1966		HIST: G0004 006 0231	
COMMISSION	BAAB BOARD FILE	1/24/1966		HIST: G0004 006 0231 thru G0004 006 0241	
CONVEYANCE COMMERCIAL	REINSPECTION REPORT	12/27/2016	95222		
CONVEYANCE COMMERCIAL	REINSPECTION REPORT	12/27/2016	95223		
EQ-COMPLIANCE CERT		10/3/1990	1990HO06192	HIST: M0533 003 0460	
GRADING	GRADING PRE-INSP REPT	11/26/1965		HIST: G0004 006 0241	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	GRADING PRE-INSP REPT	4/18/1994		HIST: M0909 001 0093	
GRADING	SOILS & GEOLOGY FILE	11/8/1965		HIST: G0004 006 0233	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M0914 002 0038 thru M0914 0077	
GRADING	SOILS & GEOLOGY FILE	7/5/1994		HIST: M1031 005 0193 thru M1031 0231	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222	
GRADING	STORM DAMAGE FILE	12/14/1969		HIST: G0097 011 0222 thru G0097 011 0225	
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16485		
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16486		
OVERSIZED DOCUMENT	GRADING	5/10/1994		HIST: J0902 001 0327	
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
PLAN MAINTENANCE		5/9/1990	1990HO06192	HIST: J0375 001 0531	
RANGE FILE	MISCELLANEOUS	5/16/1969		HIST: R0130 006 0213	
RANGE FILE	MISCELLANEOUS	12/13/1991		HIST: M0710 001 0356	
RANGE FILE	MISCELLANEOUS	12/13/1991		HIST: M0710 001 0356 thru M0710 0359	
RANGE FILE	MISCELLANEOUS	7/17/1992		HIST: M0779 003 0290	
RANGE FILE	MISCELLANEOUS	7/17/1992		HIST: M0779 003 0290 thru M0779 0295	
RANGE FILE	MISCELLANEOUS	11/16/2005		IDIS: R598 00587 0000 thru R598 00587 0004	
RANGE FILE	MISCELLANEOUS	1/30/2006		IDIS: R598 00586 0000 thru R598 00586 0001	
RANGE FILE	MISCELLANEOUS	2/17/2006		IDIS: R640 00386 0000 thru R640 00386 0006	
RANGE FILE	MISCELLANEOUS	7/7/2009		IDIS: R762 00561 0000 thru R762 00561 0002	

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AFFIDAVIT	MISCELLANEOUS	9/19/1936	AFF 718	HIST: M0003 004 0125	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/25/1949	1949 04737	HIST: P1424 001 0300	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/16/1962	1962LA01017	IDIS: P5812 01383 0000 thru P5812 0001 HIST: P1701 001 2090	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/16/1962	1962LA01018	IDIS: P5812 01384 0000 thru P5812 0001 HIST: P1701 001 2092	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/20/1963	1963LA31206	HIST: P1712 001 2307 IDIS: P5822 02617 0000 thru P5822 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/26/1982	1982LA43847	HIST: P IDIS: P6035 02931 0000 thru P6035 0001	
BUILDING PERMIT	BLDG-DEMOLITION	1/16/1962	1962LA01016	HIST: P1701 001 2088 IDIS: P5812 01382 0000 thru P5812 0001	
BUILDING PERMIT	BLDG-NEW	6/20/1922	1922LA20995	HIST: P1093 002 1318	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165 IDIS: P5122 02983 0000 thru P5122 0001	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26138	HIST: P1095 001 2230	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26138	HIST: P1095 001 2230 IDIS: P5124 01109 0000 thru P5124 0001	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	HIST: P1095 001 2232	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	IDIS: P5124 01110 0000 thru P5124 0001 HIST: P1095 001 2232	
BUILDING PERMIT	NEW CONSTRUCTION	6/20/1922	1922LA20995	IDIS: P5122 02066 0000 thru P5122 0001 HIST: P1093 002 1318	
CERTIFICATE OF OCCUPANCY		4/30/1964	1962LA01018	IDIS: O0765 01705 0000 HIST: O303 HIST: O244 1 2884	
CERTIFICATE OF OCCUPANCY		4/30/1964	1963LA31206	IDIS: O0765 01705 0000 HIST: O303 HIST: O244 1 2884	
ELECTRICAL PERMIT		11/1/2012	12041-90000-26261		
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
MECHANICAL PERMIT	PLUMBING	11/1/2012	12042-90000-20101		
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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BUILDING PERMIT	ALTERATION	1/10/1962	1962LA01017	HIST: P1701 001 2090	
BUILDING PERMIT	ALTERATION	1/10/1962	1962LA01018	HIST: P1701 001 2092	
BUILDING PERMIT	ALTERATION	2/10/1963	1963LA31206	HIST: P1712 001 2307	
BUILDING PERMIT	BLDG-ADDITION	5/26/1982	1982LA43847	HIST: 00000 000 0000	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/24/1938	1938LA19197	IDIS: P5294 01960 0000 thru P5294 0002 HIST: P1289 002 1297	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/15/1952	1952LA24830	HIST: P1457 002 0419	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/15/1952	1952LA24830	IDIS: P5534 00210 0000 thru P5534 0001 HIST: P1457 002 0419	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/16/1962	1962LA01017	IDIS: P5812 01383 0000 thru P5812 0001 HIST: P1701 001 2090	
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BUILDING PERMIT	BLDG-ALTER/REPAIR	2/20/1963	1963LA31206	IDIS: P5822 02617 0000 thru P5822 0001 HIST: P1712 001 2307	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/26/1982	1982LA43847	IDIS: P6035 02931 0000 thru P6035 0001 HIST: P	
BUILDING PERMIT	BLDG-DEMOLITION	1/10/1962	1962LA01016	HIST: P1701 001 2088	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-DEMOLITION	1/16/1962	1962LA01016	IDIS: P5812 01382 0000 thru P5812 0001 HIST: P1701 001 2088	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02740		
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02741		
BUILDING PERMIT	BLDG-NEW	6/20/1922	1922LA20995	HIST: P1093 002 1318	
BUILDING PERMIT	BLDG-NEW	6/20/1922	1922LA20995	HIST: P1093 002 1318	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	HIST: P1093 002 3165	
BUILDING PERMIT	BLDG-NEW	6/28/1922	1922LA21913	IDIS: P5122 02983 0000 thru P5122 0001 HIST: P1093 002 3165	
BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26138	HIST: P1095 001 2230	
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BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	HIST: P1095 001 2232	
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BUILDING PERMIT	BLDG-NEW	8/3/1922	1922LA26139	IDIS: P5124 01110 0000 thru P5124 0001 HIST: P1095 001 2232	
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CERTIFICATE OF OCCUPANCY		4/30/1964	1963LA31206	IDIS: O0765 01705 0000 HIST: O303 HIST: O244 1 2884	
ELECTRICAL PERMIT		5/26/1989	0589E235	HIST: T0175 004 0323	
ELECTRICAL PERMIT		6/21/1989	0689E5683	HIST: T0177 006 0157	
ELECTRICAL PERMIT		6/21/1989	0689E5684	HIST: T0177 006 0156	
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RANGE FILE	MISCELLANEOUS	8/9/1993		HIST: M0858 008 0077	
RANGE FILE	MISCELLANEOUS	8/9/1993		HIST: M0858 008 0077 thru M0858 0081	

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RANGE FILE	MISCELLANEOUS	9/13/1993		HIST: M0858 005 0133	
RANGE FILE	MISCELLANEOUS	9/13/1993		HIST: M0858 005 0133 thru M0858 0137	
RANGE FILE	MISCELLANEOUS	6/30/2009		IDIS: R762 00560 0000 thru R762 00560 0001	

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Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ADDITION	3/8/1923	1923LA10160	IDIS: P5135 01266 0000 thru P5135 0001 HIST: P1106 001 2533	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/8/1923	1923LA10160	HIST: P1106 001 2533	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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RECORDS COUNTER HOURS

(Service by appointment only)
MONDAY, TUESDAY, THURSDAY, FRIDAY: 7:30 AM to 4:30 PM
WEDNESDAY: 9:00 AM to 4:30 PM

Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 1201 SUNSET

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ADDITION	12/14/1908	1908LA07062	IDIS: P5012 01969 0000 thru P5012 0001 HIST: P1011 002 1300	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/25/1905	1905LA08127	IDIS: P5003 00412 0000 thru P5003 0001 HIST: P1002 003 0821	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/6/1931	1931LA09430	HIST: P1219 002 0854	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/6/1931	1931LA09430	IDIS: P5223 01729 0000 thru P5223 0001 HIST: P1219 002 0854	
BUILDING PERMIT	BLDG-DEMOLITION	3/5/1963	1963LA32183	IDIS: P5823 00604 0000 thru P5823 0001 HIST: P1712 002 1220	
BUILDING PERMIT	BLDG-DEMOLITION	3/10/1963	1963LA32183	HIST: P1712 002 1220	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02739		
BUILDING PERMIT	BLDG-NEW	10/30/1922	1922LA38879	HIST: P1099 002 1646	
BUILDING PERMIT	BLDG-NEW	10/30/1922	1922LA38879	IDIS: P5128 02031 0000 thru P5128 0001 HIST: P1099 002 1646	
BUILDING PERMIT	BLDG-NEW	3/21/1933	1933LA03590	HIST: P1234 001 2219	
BUILDING PERMIT	BLDG-NEW	3/21/1933	1933LA03590	IDIS: P5238 02664 0000 thru P5238 0001 HIST: P1234 001 2219	
BUILDING PERMIT	GRADING	7/23/1915	1915LA11477	HIST: P1049 001 1955	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	NEW CONSTRUCTION	4/13/1908	1908LA02029	IDIS: P5010 02027 0000 thru P5010 0001 HIST: P1009 002 2099	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
MECHANICAL PERMIT	PLUMBING	7/23/1915	1915LA11477	IDIS: P5075 00977 0000 thru P5075 0001 HIST: P1049 001 1955	
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 1197 SUNSET

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/8/1917	1917LA04178	HIST: P1055 001 2758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/8/1917	1917LA04178	IDIS: P5081 01378 0000 thru P5081 0001 HIST: P1055 001 2758	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/27/1945	1945LA04188	IDIS: P5384 02388 0000 thru P5384 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/4/1945	1945 07859	HIST: P1370 002 0660	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/4/1945	1945LA07859	IDIS: P5386 00659 0000 thru P5386 0001 HIST: P1370 002 0660	
BUILDING PERMIT	BLDG-DEMOLITION	5/31/1963	1963LA39428	IDIS: P5825 02141 0000 thru P5825 0001 HIST: P1715 001 1309	
BUILDING PERMIT	BLDG-DEMOLITION	5/18/2022	21019-10000-02738		
BUILDING PERMIT	SIGN	1/10/1965	1965LA86330	HIST: P1734 001 2713	
BUILDING PERMIT	SIGN	1/20/1965	1965LA86330	IDIS: P5848 03103 0000 thru P5848 0001 HIST: P1734 001 2713	
CERTIFICATE OF OCCUPANCY			1965LA86330	HIST: O244 1 2880	
CERTIFICATE OF OCCUPANCY		4/2/1965	1965LA86330	IDIS: O0765 01704 0000 HIST: O303	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
MECHANICAL PERMIT	PLUMBING	8/13/2021	21042-90000-16484		

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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WEDNESDAY: 9:00 AM to 4:30 PM

Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 1193 SUNSET

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/14/1924	1924LA45744	HIST: P1139 002 0261	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/14/1924	1924LA45744	IDIS: P5168 01443 0000 thru P5168 0001 HIST: P1139 002 0261	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1960	1960LA69466	HIST: P1689 001 1512	
BUILDING PERMIT	BLDG-DEMOLITION	9/1/1960	1960LA69466	IDIS: P5795 01751 0000 thru P5795 0001 HIST: P1689 001 1512	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	

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Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 1187 W SUNSET BLVD

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
GRADING	SOILS & GEOLOGY FILE	3/13/2014			
OVERSIZED DOCUMENT	GRADING	4/9/2013		HIST: J6061 1 482	
RANGE FILE	MISCELLANEOUS	1/15/2013			
RANGE FILE	MISCELLANEOUS	3/4/2013			

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Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 1181 SUNSET

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-NEW	6/20/1914	1914LA13004	HIST: P1040 002 0279	
BUILDING PERMIT	NEW CONSTRUCTION	6/20/1914	1914LA13004	IDIS: P5066 01667 0000 thru P5066 0001 HIST: P1040 002 0279	
BUILDING PERMIT	BLDG-NEW	5/24/1919	1919LA03931	HIST: P1060 002 0338	
BUILDING PERMIT	NEW CONSTRUCTION	5/24/1919	1919LA03931	IDIS: P5086 01471 0000 thru P5086 0001 HIST: P1060 002 0338	
BUILDING PERMIT	BLDG-NEW	5/1/1925	1925LA15638	HIST: P1146 001 2479	
BUILDING PERMIT	NEW CONSTRUCTION	5/1/1925	1925LA15638	IDIS: P5026 01237 0000 thru P5026 0001 HIST: P1146 001 2479	
BUILDING PERMIT	BLDG-NEW	5/1/1925	1925LA15639	HIST: P1146 001 2481	
BUILDING PERMIT	NEW CONSTRUCTION	5/1/1925	1925LA15639	IDIS: P5026 01238 0000 thru P5026 0001 HIST: P1146 001 2481	
BUILDING PERMIT	BLDG-ALTER/REPAIR	12/13/1937	1937LA40216	IDIS: P5287 00556 0000 thru P5287 0001 HIST: P1282 002 1111	
BUILDING PERMIT	BLDG-NEW	8/8/1938	1938LA24951	HIST: P1291 002 1731	
BUILDING PERMIT	NEW CONSTRUCTION	8/8/1938	1938LA24951	IDIS: P5296 02056 0000 thru P5296 0001 HIST: P1291 002 1731	
BUILDING PERMIT	BLDG-NEW	8/8/1938	1938LA24952	HIST: P1291 002 1733	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	NEW CONSTRUCTION	8/8/1938	1938LA24952	IDIS: P5296 02057 0000 thru P5296 0001 HIST: P1291 002 1733	
BUILDING PERMIT	BLDG-NEW	8/5/1948	1948 23426	HIST: P1413 002 0312	
BUILDING PERMIT	BLDG-NEW	8/5/1948	1948LA23426	IDIS: P5452 00310 0000 thru P5452 0001 HIST: P1413 002 0312	

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201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Address: 917 EVERETT

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/22/1945	1945LA16320	IDIS: P5389 01002 0000 thru P5389 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/1/1960	1960LA69465	HIST: P1685 002 0065	
BUILDING PERMIT	BLDG-DEMOLITION	9/1/1960	1960LA69465	IDIS: P5793 00022 0000 thru P5793 0001 HIST: P1685 002 0065	
BUILDING PERMIT	NEW CONSTRUCTION	9/7/1909	1909LA05414	IDIS: P5014 02645 0000 thru P5014 0001 HIST: P1013 002 2299	

ZIMAS

Public

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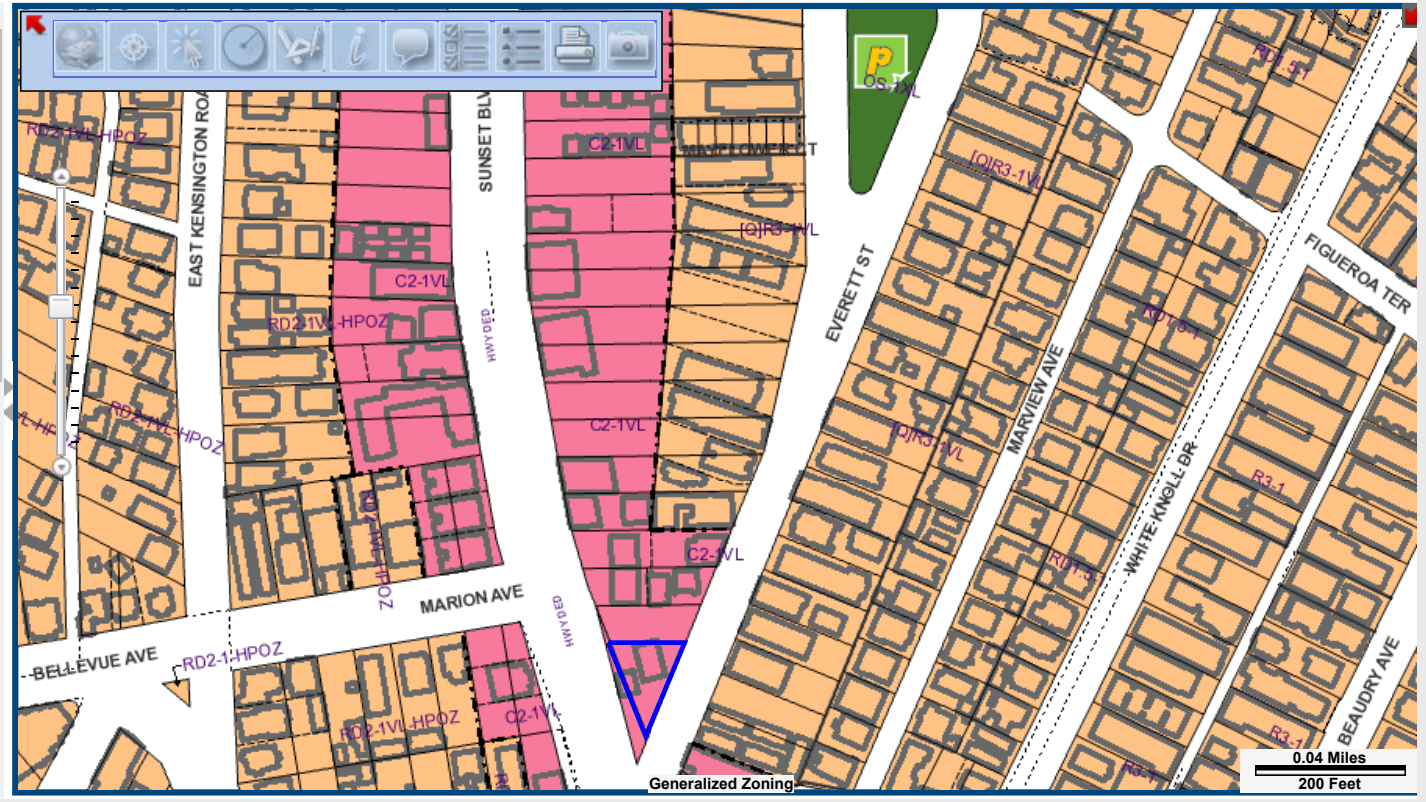
1185 W SUNSET BLVD

Font: A A A +/-

- Address/Legal
- Jurisdictional
- Permitting and Zoning Compliance
- Planning and Zoning

Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2452 Transit Priority Area in the City of Los Angeles
Zoning Information (ZI)	ZI-2129 State Enterprise Zone: East Los Angeles
Zoning Information (ZI)	ZI-2452 Transit Priority Area in the City of Los Angeles
Zoning Information (ZI)	ZI-2427 Freeway Adjacent Advisory Notice for Sensitive Uses
Zoning Information (ZI)	ZI-2498 Local Emergency Temporary Regulations - Time Limits and Parking Relief - LAMC 16.02.1
General Plan Land Use	General Commercial
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	Yes
Specific Plan Area	None
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
HistoricPlacesLA	View
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No



Terms & Conditions

RE: Records / Tracking No. 2023052309

Schmid, Andrea@Waterboards <Andrea.Schmid@Waterboards.ca.gov>
on behalf of
WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>
Fri 6/2/2023 8:41 AM

To: Caroline Hanna <channa@aeiconsultants.com>;WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>

Cc: Schmid, Andrea@Waterboards <Andrea.Schmid@Waterboards.ca.gov>

Hello,

The Los Angeles Regional Board has reviewed its files and has concluded that it does not have any records that are responsive to your request.

Best regards,

Andrea Schmid
Staff Services Analyst
Los Angeles Regional Water Quality Control Board
320 West 4th St., Suite 200, Los Angeles, CA 90013
andrea.schmid@waterboards.ca.gov

Public Records and Freedom of Information Act
Rb4-Publicrecords@waterboards.ca.gov

****
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From: Caroline Hanna <channa@aeiconsultants.com>
Sent: Tuesday, May 23, 2023 1:17 PM
To: WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>
Subject: Records

EXTERNAL:

Hi,

I'd like to request records for 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245 W Sunset Blvd and 917, 959 Everett in Los Angeles, CA 90026.

Kind regards,

Caroline Hanna

Project Manager

AEI Consultants

701 Campus Square W, Suite 723A
El Segundo, CA 90245

C: 310.922.7239

E: channa@aeiconsultants.com

"If you received this email in error, please notify AEI Consultants immediately by sending an e-mail or by calling"

City of Los Angeles Fire Department
Fire Prevention Bureau – Technical Section
200 N. Main Street, Room 1780
Los Angeles, CA 90012

ANNUAL INVENTORY UPDATE

Facility ID: FA0009629

**********AUTO**SCH 3-DIGIT 900 8
RELIABLE SASH & DOOR 1889
1229 W SUNSET BLVD
LOS ANGELES CA 90026-4422

WINTNER, STEVE
1229 W SUNSET BLVD
LOS ANGELES, CA 90026

Date last business plan submitted: _____

Annual Inventory Update (choose one method):

☒ **Modify existing business information and inventory** (see reverse side of this form) **OR**
BUSINESS HAS BELOW MIN QUANTITIES REQUIRED FOR REPORTING

☐ **Submit new inventory** (must complete business information and chemical inventory forms) **OR**

☐ **Complete Certification Statement 9** (below) stating that the inventory submitted within the last year is complete, accurate and current.

The Certification Statement can only be used if <u>all</u> of the following conditions apply:

1. Business has previously filed the hazardous materials inventory report
2. Company official signs **Certification Statement** and attests to:
   a. Most recently submitted inventory is complete, accurate and up to date
   b. No change in quantity of reportable hazardous materials is accurate and up to date
   c. All hazardous materials are listed in that inventory
3. Business is not subject to EPCRA (Emergency Planning and Community Right to Know Act) reporting requirements

PLEASE DELEATE FROM PROGRAM

CERTIFICATION STATEMENT:

I certify that I am the business owner or officially designated representative of the business listed at the top of this form.

I certify that the information contained in the hazardous materials inventory most recently submitted to the Los Angeles Fire Department CUPA is complete, accurate, and up to date.

There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory.

No hazardous materials subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.

Steven Wintner
Signature

2-29-12
Date

OWNER
Title

By MARCH 1, 2012, please return to:

City of Los Angeles Fire Department
Fire Prevention Bureau - Technical Section
200 N. Main Street, Room 1780
Los Angeles, CA 90012

Rec'd by JE 2-29-12

California Health and Safety Code, Chapter 6.95 requires all handlers of hazardous materials to annually update their hazardous material inventory with the local administering agency on or before March 1. The City of Los Angeles Fire Department, as that agency, processes and maintains business emergency response plans and inventories for businesses within the City.

Only list changes to your existing inventory here (you may attach additional pages if necessary)

Chemical Name/CAS #	Maximum daily amount	Storage Container	Physical State: gal, lbs, cubic ft.	Storage Location	Inactive Y or N	Effective date

Please list any Business/ Owner changes. (If you have further information to submit, you may attach additional pages)
A copy of your business license is required when reporting a change of ownership.

Owner Name	Business name	Mailing address	Other	Effective Date

For more information on the CUPA Program, please visit our website:
http://www.lafd.org/prevention or **call (213) 978-3680.**

CUPA => CUPA DOCUMENTS =>

UNIFIED PROGRAM PERMIT PKG - doc

FIRE PREVENTION BUREAU TECHNICAL SECTION
200 NORTH MAIN STREET, RM 1780
LOS ANGELES, CA 90012

LOS ANGELES FIRE DEPARTMENT
Los Angeles Certified Unified Program Agency
(213) 978-3680

Los Angeles Fire Department
Data Entry Instruction Form (DEIF)

FOR INTERNAL USE ONLY

Date:		**New Business:**	[ ]
Default Inspector:	MUTHLEB, KAHLIL	**Fire Station/Census:**	020
Facility ID;	FA0009629	**Insp District:**	413
Facility Name:	**RELIABLE SASH & DOOR**		
Site Address:	1229 W SUNSET BLVD		
	LOS ANGELES, CA 90026		

[✓] VERIFIED FACILITY PHONE NUMBER
PHONE NO: (213) 250-3970

Account Info

Account Outstanding Balance:	$341.00
Number of Outstanding Invoices:	1

[✓] VERIFIED MAILING ADDRESS
MAILING ADDRESS: 1229 SUNSET BLVD
(INVOICES/PERMITS) LOS ANGELES, CA 90026

ACTIVE PROGRAMS:

PE	PE DESCRIPTION	UNITS
MAIN_SITE		
4500	PR0008478 | HAZ MAT INVENTORY 1 TO 3 CHEMICALS	

[✓] VERIFIED OWNER INFO
OWNER NAME: WINTNER, STEVE
OWNER MAILING ADDRESS: 1229 SUNSET BLVD
LOS ANGELES, CA
PHONE: (213) 250-3970

DATA ENTRY INSTRUCTION(S): Check Appropriate Boxes

[ ] Changes On BP 01
[✓] Changes On BP 08
[ ] UST Abandon Sheets
[ ] UST Installation Sheets
[ ] Changes On Attached CUPA Form(s)
[ ] Enter Inventory on Attached CUPA Forms

[ ] Inactive Business *Journal Entry should Be Included*

Reason:

[ ] Other Instruction: *For Examples: Combine Business Under One BP Number*

Data Entry Name: _____ Date: 4/16/12

Los Angeles City Fire Department

Technical Section

INSPECTOR REFERRAL FORM

Return File to Data Management Unit By:

[X] HazMat

DATE:	2/29/2012	**REQUESTOR:**	Joy
TO INSPECTOR:	KAHLIL MUTHLEB	**FIRE STATION:**	020
FACILITY ID:	FA0009629	**RETURN TO:**	DATA ENTRY
DBA:	RELIABLE SASH & DOOR		
ADDRESS:	1229 W SUNSET BLVD		
	LOS ANGELES, CA 90026		

Reason(s) for Referral:

Others (mark all that apply)

[X] Possible Inactivate

[X] OTHERS: OWNER STATE THAT HE MAY BE BELOW THRESHHOLD & SHOULD BE OUT OF PROGRAM

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3880

BUSINESS INFORMATION

Printed on: 2/29/2012

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.
Business Number: FA0009629 This is your current business plan number. This number must appear on all business plan forms!
Business Name : RELIABLE SASH & DOOR

Business Site Address: 1229 W SUNSET BLVD
LOS ANGELES, CA 90026

Mailing Address 1229 SUNSET BLVD
LOS ANGELES, CA 90026

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:

 # OF EMPLOYEES: 3

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: WINTNER, STEVE	(213) 250-3970	-	-
On-Site Manager:		-	-
Emergency Contact: ABE WINTER	(213) 250-3970	(323) 937-9874	
2nd Emergency Contact: STEVE WINTER	(213) 250-3970		

Steve Winter — **Signature of Legal Business Owner/Authorized Representative**
OWNER — **Title**
4-3-12 — **Date**

Business Plan has been reviewed and approved: _____

OFFICE USE ONLY Insp. ID: 413 Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3680

Business No : FA0009629
First In : 020
District # : 413

Hazardous Materials System
BP-8: Computer Listing of Inventory
SubmittedInspection Responsibility: VIU

Printed on: 2/29/2012

Business Name	: RELIABLE SASH & DOOR	**Business Address**	: 1229 W SUNSET BLVD
Business Owner	: WINTNER, STEVE		LOS ANGELES, CA 90026
On-Site Manager	:	**Phone #**	:
Emergency Contact	: ABE WINTER	**Phone #**	: (213) 250-3970
Alt Emergency Contact	: STEVE WINTER	**Phone #**	: (213) 250-3970
Next Inspection Date:	: 10/18/2014	**SIC Code**	: 5211
# of Employees	: 3	**Permit Date**	:

Total Chemicals: 3

LOCATION:

Chemicals at Location: 3

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
~~HENRY ROOF COATING~~	PURE	~~100.00 GALLONS~~	LIQUID	

DELETE

Container:| OTHER |

BELOW THRESHOLD

Ingredients	*CAS #*
TAR	8007452

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
POISONS & PESTICIDES	MIXTURE	~~10.00 GALLONS~~	LIQUID	| IMMEDIATE HEALTH |

Container:| PLASTIC BOTTLE |

5 GALLONS MAX

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
~~WALLBOARD JOINT COMPOUND~~	~~PURE~~	100.00 GALLONS	LIQUID	

DELETE

Container:| BOX | | OTHER |

Ingredients	*CAS #*
MICA	12001262
CALCIUM CARBONATE	1317653

BELOW THRESHOLD

My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address.

[FA0009629] CHEMICAL COUNT: 3

INSP SIG: _____ INSP. DATE: 4-3-12

BUS. REP. SIG: Steve Wintner DATE: 4-3-12

Data Date: 2/29/2012

FIRE PREVENTION BUREAU TECHNICAL SECTION
200 NORTH MAIN STREET, RM 1780
LOS ANGELES, CA 90012

LOS ANGELES FIRE DEPARTMENT
Los Angeles Certified Unified Program Agency
(213) 978-3680

Los Angeles Fire Department
Data Entry Instruction Form (DEIF)

FOR INTERNAL USE ONLY

Date:		**New Business:**	[ ]
Default Inspector:	MUTHLEB, KAHLIL	**Fire Station/Census:**	020
Facility ID;	FA0009629	**Insp District:**	413
Facility Name:	**RELIABLE SASH & DOOR**		
Site Address:	1229 W SUNSET BLVD LOS ANGELES, CA 90026		

[✓] VERIFIED FACILITY PHONE NUMBER
PHONE NO: (213) 250-3970

Account Info
Account Outstanding Balance: $632.00
Number of Outstanding Invoices: 1

[✓] VERIFIED MAILING ADDRESS
MAILING ADDRESS: 1229 SUNSET BLVD
(INVOICES/PERMITS) LOS ANGELES, CA 90026

ACTIVE PROGRAMS:

PE	PE DESCRIPTION	UNITS
MAIN_SITE		
4501	PR0008478 | HAZ MAT INVENTORY 4 TO 7 CHEMICALS	

[✓] VERIFIED OWNER INFO
OWNER NAME: WINTNER, STEVE
OWNER MAILING ADDRESS: 1229 SUNSET BLVD
LOS ANGELES, CA
PHONE:

DATA ENTRY INSTRUCTION(S): Check Appropriate Boxes

[✓] **Changes On BP 01**
[ ] **UST Abandon Sheets**
[ ] **Changes On Attached CUPA Form(s)**
[✓] **Changes On BP 08**
[ ] **UST Installation Sheets**
[ ] **Enter Inventory on Attached CUPA Forms**

[ ] **Inactive Business** *Journal Entry should Be Included*
Reason:

[✓] **Other Instruction:** *For Examples: Combine Business Under One BP Number*
CHANGE IN INVENTORY

10-18-11
Kal 413

Data Entry Name: L Guerrero-Parks Date: 10/18/11

Los Angeles City Fire Department

Technical Section

INSPECTOR REFERRAL FORM

Return File to Data Management Unit By:

[X] HazMat

DATE:	9/14/2011	**REQUESTOR:**	Joy .
TO INSPECTOR:	KAHLIL MUTHLEB	**FIRE STATION:**	020
FACILITY ID:	FA0009629	**RETURN TO:**	DATA ENTRY
DBA:	RELIABLE SASH & DOOR		
ADDRESS:	1229 W SUNSET BLVD		
	LOS ANGELES, CA 90026		

Reason(s) for Referral:

Others (mark all that apply)

[X] Decrease in Inventory will cause decrease in Fee Code. Please Confirm

[X] OTHERS:

PRESIDENT MR WINTNER STS HAS LOWER INVENTORY & SHOULD BE IN 1 - 3 CATEGORY LIKE LAST YEAR; REQ INSP TO COME OUT & CALL 213-250-3970

verify inventory

unable to locate recent inspection report

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3880

BUSINESS INFORMATION

Printed on: 9/14/2011

INSTRUCTIONS: Please complete and sign this form; your signature indicates that the information, as supplied, is accurate.
Business Number: FA0009629 This is your current business plan number. This number must appear on all business plan forms!
Business Name : RELIABLE SASH & DOOR

Business Site Address: 1229 W SUNSET BLVD
LOS ANGELES, CA 90026

Mailing Address 1229 SUNSET BLVD
LOS ANGELES, CA 90026

Other On-Site Addresses:

Briefly describe the nature of the hazardous materials operations:

 # OF EMPLOYEES: 4

CONTACT	WORK #	24 HOUR #	PAGER #
Owner Name: WINTNER, STEVE	213 250-3970	323 933-2232	-
On-Site Manager:		-	-
Emergency Contact: ABE WINTER	(213) 250-3970	(323) 937-9874	
2nd Emergency Contact: STEVE WINTER	(213) 250-3970		

Steven Winter — Owner — 10-12-11
Signature of Legal Business Owner/Authorized Representative | **Title** | **Date**

Business Plan has been reviewed and approved: _____

OFFICE USE ONLY Insp. ID: 413 Date: _____ D/E ID: _____ Date: _____ TS: _____

CITY OF LOS ANGELES
CALIFORNIA

LOS ANGELES FIRE DEPARTMENT
200 NORTH MAIN STREET
LOS ANGELES, CA 90012
(213) 978-3880

Business No : FA0009629
First In : 020
District # : 413

Hazardous Materials System
BP-8: Computer Listing of Inventory
SubmittedInspection Responsibility: VIU

Printed on: 9/14/2011

Business Name	: RELIABLE SASH & DOOR	**Business Address**	: 1229 W SUNSET BLVD
Business Owner	: WINTNER, STEVE		LOS ANGELES, CA 90026
On-Site Manager	:	**Phone #**	:
Emergency Contact	: ABE WINTER	**Phone #**	: (213) 250-3970
Alt Emergency Contact	: STEVE WINTER	**Phone #**	: (213) 250-3970
Next Inspection Date:	: 6/15/2013	**SIC Code**	: 5211
# of Employees	: 3	**Permit Date**	:

Total Chemicals: 4

LOCATION:

Chemicals at Location: 4

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
HENRY ROOF COATING	PURE	~~500.00 GALLONS~~	LIQUID	

Container:| OTHER |
100 GALS.

Ingredients	*CAS #*
TAR	8007452

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
PAINT	MIXTURE	~~500.00 GALLONS~~	LIQUID	

Container:| OTHER |
10 GALS

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
POISONS & PESTICIDES	MIXTURE	~~50.00 GALLONS~~	LIQUID	| IMMEDIATE HEALTH |

Container:| PLASTIC BOTTLE |
10 GALS

Chemical Name	*HM Type*	*Max Quantity on Hand*	*State*	*Fed Haz Catg.*
WALLBOARD JOINT COMPOUND	PURE	~~500.00 GALLONS~~	LIQUID	

Container:| BOX | | OTHER |
100 GALS

Ingredients	*CAS #*
MICA	12001262
CALCIUM CARBONATE	1317653

My signature indicates that I have verified and agreed with the types and quantities of hazadous materials at this address.

[FA0009629] CHEMICAL COUNT: 4

INSP SIG: _____ INSP. DATE: 10-18-11

BUS. REP. SIG: Steven Winter Owner DATE: 10-18-11

Data Date: 9/14/2011

FACILITY ADDRESS: 1229 SUNSET

HAZARDOUS MATERIALS INSPECTION GUIDELINES:

OFFICE:

- ☐ Pull file, check history
- ☐ Check Envision to review notes, history or special instructions
- ☑ Print Inspection Packet, which includes:

1. BP 1
2. BP 8
3. UP Forms for updating chemical inventory
4. Business Plan Review
5. Packet should accompany you on the inspection, if inspection requires a phone call to gain entry, contact responsible party
6. Invoice, to see if facilities fees are current

INSPECTION: Upon Arrival

- ☑ Check address on facility, does the business name match what's listed on the BP1
- ☑ Check for visual hazards, placards, blocked egress, etc
- ☑ Make contact with responsible party
- ☑ Check to see if CUPA Permit is posted and current
- ☑ Update BP 1 and have responsible party sign verifying the information is correct
- ☑ Perform inspection to update chemical inventory on BP 8, for each updated chemical, **completely** fill out a (UP) Chemical Description Form
- ☑ Ensure the responsible party signs and dates BP 8
- ☑ Check for signs of illegal processes and illegal dumping, check dumpsters outside and drains
- ☐ If violations are found, Take photos of violations found
- ☐ Write a notice sighting violations and leave a copy with the responsible party
- ☑ Thank the responsible party for their time and exit the facility

RETURN TO OFFICE:

- ☐ Place a copy of completed notice in notice book on Capt Gatewood's desk
- ☐ Enter completed inspection into Envision with notes of who you met with and if a notices was written
- ☐ Any chemical inventory or processes not understood, check with RMPPS SPECIALIST OR THE INDUSTRIAL HYGENIST
- ☐ Prepare an F-290 packet if necessary
- ☐ Place completed inspection in the appropriate box for processing

Name Zal Signature [signature] Date 10-18-11

RETURN THIS FORM ATTACHED TO DEIF, BP1 AND BP8

F-350—1500 Sets—11-69 (F-79)

Granted 6-24-70

Expires 6-24-71

Fire Department
City of Los Angeles
PERMIT

Reg. No. 17832

Fee Paid $16.50

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to:

Name ATLANTIC RICHFIELD

JUN 26 1970

PERMIT GRANTED

Mail to A. J. DILLON & SONS INC.
12132 Los Nietos road
Santa Fe Springs, Callf.
90670

Permit to: Alter Piping with approval as per plans & specifications submitted to the Fire Prev. Bur.

Location 1185 Sunset Blvd.

BY ORDER OF CHIEF ENGINEER

By: Harry W Mackie
Fire Marshal

F-350—2500 Sets—7-70 (F-79)

Granted 7-12-71

Expires 7-12-72

Fire Department
City of Los Angeles
PERMIT

Reg. No. 4004

Fee Paid $25.00

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to:

Name

ARCO

Mail to

Spencer and Jones
P. O. Box 911
El Monte, Calif. 91734

Permit to: install 1 Atmospheric Tank as per plans and specifications submitted to the Fire Prevention Bureau.

Location

1185 Sunset Blvd.

BY ORDER OF CHIEF ENGINEER

By: Harry W Martin
Fire Marshal

F-350—5M—11-59

Granted 9-8-60

Expires 9-8-61

Fire Department
City of Los Angeles
PERMIT

Reg. No. 804

Fee Paid $48.00

In accordance with terms of the application on file with the Fire Prevention Bureau, permission is granted to:

Name Richfield Oil Corporation

Mail to J. W. Marshall & Sons
6226 Cherry Avenue
Long Beach 5, California

Permit to: Install four Atmospheric Tanks with General Approval as per plans and specifications submitted to the Fire Prevention Bureau.

Location 1165 Sunset Blvd.

WILLIAM L. MILLER, CHIEF ENGINEER

By: Raymond M. Hill
Fire Marshal

PLEASE NOTE:

1. Field inspection by a member of this Department prior to covering of tanks and piping.

2. Pressure test of piping prior to covering. This must be done in the presence of the field inspector.

3. Final approval in writing shall be obtained from the field inspector before the installation may be placed in operation.

Section 57.04.03 requires that all auto fueling stations have a permit, which shall be secured from the City Clerk's Office, Room 101, City Hall.

Please contact Captain Varney of our North Unit, telephone 485-5995, at least one working day in advance to make necessary arrangements for inspection.

5	5/60	AUTO FUELING STATION	7 02	2/60	
DATE		CLASSIFICATION	SUB. CODE	DATE STARTED	OIL WELL NO.

CITY OF LOS ANGELES

TO: FIRE MARSHAL

OUT OF BUSINESS NOTICE

INFORMATION RECEIVED BY THIS OFFICE INDICATES THAT THE FOLLOWING NAMED PERSON(S) IS NO LONGER OPERATING THE BUSINESS DESCRIBED HEREON. THIS ACCOUNT HAS BEEN REMOVED FROM OUR ACTIVE FILE.

FIDEL B MOLINA
DBA JOSE SERVICE STATION
1181 SUNSET BLVD ZN 12

F 556805
PERMITTEE NUMBER

WALTER C. PETERSON
CITY CLERK

FORM 646 506

1PM 10/70

All tanks to have 4' cover

All piping per LAFD specifications

Tanks by

		LAFD Reg. No.
1	6000 Gal Gasoline	61-60-3
	Gal Gasoline	
	Gal Gasoline	
	Gal Gasoline	
	Waste Oil	

This STATION IS IN

the process of being

abandoned.

Swanson

Form 526.1 (a) Rev.

APPLICATION FOR FIRE PERMIT

OFFICE OF THE CITY CLERK — LOS ANGELES

NAME OF OWNER(S) David G. Roth & Lloyd E. Johnston

DOING BUSINESS AS J & R Richfield Serve A Center

BUSINESS ADDRESS OR LOCATION DESCRIPTION 1185 Sunset Blvd Zn 12

MAILING ADDRESS Same

TYPE OF BUSINESS Auto Fueling Station STARTED 6/61 TELEPHONE NUMBER NO 10482

FEES	
Permit Fee	$
Penalty	$
Total	$

NO. OF VEHICLES	CLASSIFICATION CODE	NEW OR TRANSFER	MAXIMUM CAPACITY	MAX. QUANTITY–HAZARDOUS MATERIAL	OIL WELL, LAFD No.
	702	04			

NOTICE TO APPLY: You are hereby directed to apply and pay the required fee to the City Clerk for a Fire Permit on or before _____ or penalty will apply.

FIRE DEPARTMENT JUN 20 1961

Issued by: _____ Date _____
INSPECTOR

APPROVED: John H. Swanson Date 6-20-61

APPLICATION FOR PERMIT: I hereby declare that I am the owner of the above business or authorized representative of the owner and that I am in charge of the business, operation, occupation or premises described herein. I agree to comply with all Regulations, Laws or Ordinances pertaining to or regulating such business that are now in effect or that may be hereafter adopted.

SIGNATURE OF APPLICANT David G. Roth

Title _____ Date _____

OFFICE COLLECTION	INSPECTOR REPORT	OFFICE BILLING
PAID		
Fee $ 10.00	Fee $	Fee $
Penalty	Penalty	Penalty
Total 10.00	Total	Total

F 603572-762 A. Alexander 6/7/61

PERMIT NUMBER — DEPUTY CITY CLERK

TO BILLING UNIT — NO BILLING REQUIRED

INITIAL DATE — INITIAL DATE

Form 526.1 (b) Rev.

HOW TO FILE YOUR APPLICATION

IF YOU APPLY IN PERSON: Take this form to the Office of the City Clerk at one of the following locations:

DOWNTOWN LOS ANGELES, Room 1, City Hall, 201 N. Main St.
HOLLYWOOD, 8205 Melrose Avenue
VAN NUYS, CITY HALL, Room 101, 14410 Sylvan Street
SAN PEDRO, CITY HALL, Rm. 301, 638 S. Beacon St. (Tues. & Thurs. Only)
WESTCHESTER, MUNICIPAL BUILDING, Room 1, 7166 Manchester Ave. (Monday, Wednesday and Friday Only)

IF YOU APPLY BY MAIL: Sign the application and mail with your remittance. Make check payable to Walter C. Peterson, City Clerk.

All mail applications must be addressed to:

WALTER C. PETERSON, CITY CLERK
Room 1, City Hall
Los Angeles 12, Calif.

Form 526.1(a)—Rev. 7-65 (M-45)

APPLICATION FOR FIRE PERMIT

OFFICE OF THE CITY CLERK — LOS ANGELES

FEES

WINDOW 12-20-65

NAME OF OWNER(S)	FERNANDO A. HERNANDEZ
DOING BUSINESS AS	HERNANDEZ RICHFIELD
BUSINESS ADDRESS OR LOCATION DESCRIPTION	1185 SUNSET BLVD. ZN 21
MAILING ADDRESS	SAME
TYPE OF BUSINESS	AUTO FUELING STATION
DATE STARTED	1/66
TELEPHONE NUMBER	623-0649

Permit Fee $

Penalty $

Total $

PERMIT PRINTED

702	NEW			
CLASSIFICATION CODE	NEW OR TRANSFER	MAXIMUM CAPACITY	MAX. QUANTITY—HAZARDOUS MATERIAL	OIL WELL, LAFD No.

NOTICE TO APPLY: You are hereby directed to apply and pay the required fee to the City Clerk for a Fire Permit on or before ..... or penalty will apply.

PERMIT ISSUED JAN 6 1966

Issued by: ..... Date JAN 6

INSPECTOR

APPROVED: John K Sutton Date 1/4/66

APPLICATION FOR PERMIT: I hereby declare that I am the owner of the above business or authorized representative of the owner and that I am in charge of the business, operation, occupation or premises described herein. I agree to comply with all Regulations, Laws or Ordinances pertaining to or regulating such business that are now in effect or that may be hereafter adopted.

SIGNATURE OF APPLICANT Fernando A Hernandez

Title Owner Date 12-20-65

OFFICE COLLECTION

Fee $ 15.00

Penalty .....

Total 15.00

INSPECTOR REPORT

Fee $.....

Penalty .....

Total .....

OFFICE BILLING

Fee $.....

Penalty JAN 6 1966

Total .....

F 748636-702 | G. HARRISON

PERMIT NUMBER | DEPUTY CITY CLERK

TO BILLING UNIT

INITIAL | DATE

NO BILLING REQUIRED

INITIAL | DATE

Form 526.1(b)—Rev. 7-65 (M-46)

HOW TO FILE YOUR APPLICATION

IF YOU APPLY IN PERSON: Take this form to the City Clerk's Office at one of the following locations:

DOWNTOWN LOS ANGELES, Room 1 City Hall, 201 N. Main St.

SAN PEDRO CITY HALL, 638 S. Beacon St., Rm. 303
(Monday, Wednesday and Friday Only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

VAN NUYS, 14401 Erwin St.

WATTS CITY HALL, Rm 4, 1513 E. 103rd St.
(Tues. & Thurs. Only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

WESTCHESTER, MUNICIPAL BUILDING, Room 1, 7166 Manchester Ave.
(Tues. & Thurs. Only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

WEST LOS ANGELES, 1650 Purdue Ave., Room 104

IF YOU APPLY BY MAIL: Sign the application and mail with your remittance.
Make check payable to Walter C. Peterson, City Clerk.

All mail applications must be addressed to:
– CITY CLERK'S OFFICE
Room 1, City Hall
Los Angeles, Calif. 90012

Form 526.1 (a) Rev.

APPLICATION FOR FIRE PERMIT

OFFICE OF THE CITY CLERK — LOS ANGELES

NAME OF OWNER(S) CHARLES R SHANES

DOING BUSINESS AS SHANES SERVICE

BUSINESS ADDRESS OR LOCATION DESCRIPTION 1185 SUNSET BLVD. ZN 12

MAILING ADDRESS SAME

TYPE OF BUSINESS AUTO FUELING STATION

DATE STARTED 10/62

TELEPHONE NUMBER We 40537

NO. OF VEHICLES	CLASSIFICATION CODE	NEW OR TRANSFER	MAXIMUM CAPACITY	MAX. QUANTITY-HAZARDOUS MATERIAL	OIL WELL, LAFD No.
	702	04			

FEES

Permit Fee $_____

Penalty $_____

Total $_____

NOTICE TO APPLY: You are hereby directed to apply and pay the required fee to the City Clerk for a Fire Permit on or before _____ or penalty will apply.

Issued by: _____ Date _____
INSPECTOR

WAS: 2599 W PICO BLVD.

APPROVED: Glen H Swanson Date 10-10-62

APPLICATION FOR PERMIT: I hereby declare that I am the owner of the above business or authorized representative of the owner and that I am in charge of the business, operation, occupation or premises described herein. I agree to comply with all Regulations, Laws or Ordinances pertaining to or regulating such business that are now in effect or that may be hereafter adopted.

SIGNATURE OF APPLICANT Charles R Shanes

Title OWNER Date 10/8/62

OFFICE COLLECTION	INSPECTOR REPORT	OFFICE BILLING
Fee $ 10.00	Fee $	Fee $
Penalty	Penalty	Penalty
Total 10.0	Total	Total

F/022 90-702 — PERMIT NUMBER

TAYLOR 10/8/62 — DEPUTY CITY CLERK

TO BILLING UNIT — INITIAL — DATE

NO BILLING REQUIRED — INITIAL — DATE

Form 526.1 (b) Rev.

HOW TO FILE YOUR APPLICATION

IF YOU APPLY IN PERSON: Take this form to the Office of the City Clerk at one of the following locations:

DOWNTOWN LOS ANGELES, Room 1, City Hall, 201 N. Main St.

SAN PEDRO, CITY HALL, 638 S. Beacon St. (Tues. & Thurs. Only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

VAN NUYS, 14401 Erwin St.

WESTCHESTER, MUNICIPAL BUILDING, Room 1, 7166 Manchester Ave.
(Monday, Wednesday and Friday Only) 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

WEST LOS ANGELES, 1650 Purdue Ave., Room 104, 8 a.m. to 12 noon, 1 p.m. to 5 p.m.

IF YOU APPLY BY MAIL: Sign the application and mail with your remittance.
Make check payable to Walter C. Peterson, City Clerk.

All mail applications must be addressed to:

WALTER C. PETERSON, CITY CLERK
Room 1, City Hall
Los Angeles 12, Calif.

Form 526.1 (a) Rev.*

APPLICATION FOR FIRE PERMIT

OFFICE OF THE CITY CLERK — LOS ANGELES

NAME OF OWNER(S) CHARLES R SHANES

DOING BUSINESS AS SHANES SERVICE

BUSINESS ADDRESS OR LOCATION DESCRIPTION 1185 SUNSET BLVD. ZN 12

MAILING ADDRESS SAME

TYPE OF BUSINESS AUTO FUELING STATION

DATE STARTED 10/62

TELEPHONE NUMBER We 40537

FEES	
Permit Fee	$
Penalty	$
Total	$

NO. OF VEHICLES	CLASSIFICATION CODE	NEW OR TRANSFER	MAXIMUM CAPACITY	MAX. QUANTITY–HAZARDOUS MATERIAL	OIL WELL, LAFD No.
702	04				

NOTICE TO APPLY: You are hereby directed to apply and pay the required fee to the City Clerk for a Fire Permit on or before _____ or penalty will apply.

Issued by: _____ Date _____
INSPECTOR

WAS: 2599 W PICO BLVD.

APPROVED: _____ Date _____

APPLICATION FOR PERMIT: I hereby declare that I am the owner of the above business or authorized representative of the owner and that I am in charge of the business, operation, occupation or premises described herein. I agree to comply with all Regulations, Laws or Ordinances pertaining to or regulating such business that are now in effect or that may be hereafter adopted.

SIGNATURE OF APPLICANT Charles R Shanes

Title OWNER Date 10/8/62

OFFICE COLLECTION	INSPECTOR REPORT	OFFICE BILLING
Fee $ 10.00	Fee $	Fee $
Penalty	Penalty	Penalty
Total 10.0	Total	Total

F/C 22902 (b) TAYLOR 10/8/62

PERMIT NUMBER — DEPUTY CITY CLERK

TO BILLING UNIT

INITIAL	DATE

NO BILLING REQUIRED

INITIAL	DATE

Form 526.1 (a) Rev.

APPLICATION FOR FIRE PERMIT

OFFICE OF THE CITY CLERK — LOS ANGELES

NAME OF OWNER(S): David G. Roth & Lloyd E. Johnston

DOING BUSINESS AS: J & R Richfield Serve A Center

BUSINESS ADDRESS OR LOCATION DESCRIPTION: 1185 Sunset Blvd Zn 12

MAILING ADDRESS: Same

FEES	
Permit Fee	$
Penalty	$
Total	$

TYPE OF BUSINESS: Auto Fueling Station

DATE STARTED: 6/61

TELEPHONE NUMBER: NO 10482

NO. OF VEHICLES	CLASSIFICATION CODE	NEW OR TRANSFER	MAXIMUM CAPACITY	MAX. QUANTITY-HAZARDOUS MATERIAL	OIL WELL, LAFD No.
	702	04			

NOTICE TO APPLY: You are hereby directed to apply and pay the required fee to the City Clerk for a Fire Permit on or before _____ or penalty will apply.

Issued by: _____ INSPECTOR Date _____

APPROVED: Glen M. Swanson Date 6-20-61

APPLICATION FOR PERMIT: I hereby declare that I am the owner of the above business or authorized representative of the owner and that I am in charge of the business, operation, occupation or premises described herein. I agree to comply with all Regulations, Laws or Ordinances pertaining to or regulating such business that are now in effect or that may be hereafter adopted.

SIGNATURE OF APPLICANT: David G. Roth

Title _____ Date _____

OFFICE COLLECTION	INSPECTOR REPORT	OFFICE BILLING
Fee $10.00	Fee $	Fee $
Penalty	Penalty	Penalty
Total 10.00	Total	Total

F 60 .12-7 A. Alexander 6/7/61

PERMIT NUMBER — DEPUTY CITY CLERK

TO BILLING UNIT — INITIAL — DATE

NO BILLING REQUIRED — INITIAL — DATE

F-340

E-6

DIST. NO.	REG.	SPEC.
114	☒	☐

OCCUPANCY 4C5

CITY OF LOS ANGELES
DEPARTMENT OF FIRE
NOTICE OF HAZARD

No. 52377

DATE 1-6-66

TO: Hernandez Richfield

ADDRESS 1185 Sunset Blvd.

ADDRESS OF HAZARD same

VIOLATION OF LAMC SECTION 57.

57.140.10 Provide and maintain one approved portable fire extinguisher for station area. Extinguisher shall have a rating of at least 4BC, dry powder type.

HAZARDS AS ENUMERATED SHOULD BE CORRECTED ON OR BEFORE RE-INSPECTION

DATE January 18, 1966

DATE COMPLETED 1/19/66

INSPECTOR John K. Sutton

For Additional Information Phone
Insp. John K. Sutton
628-6161 Ext. 242

WILLIAM EXMILLER, Chief Engineer
Don T. Hibbard

BY John K. Sutton
ASSIGNMENT

F-315—2500 Sets—1-73 (P-70)

CITY OF LOS ANGELES
DEPARTMENT OF FIRE
SPECIAL PERMIT

Nº 29214

PHONE: 485-5969

DATE 7-30-74

FIRM NAME	AGENT
Arco Auto Fueling Station	Fernando Hernandez
ADDRESS **1185 Wilshire Blvd.** (Sunset)	

PERMISSION IS HEREBY GRANTED TO: **Use of steam cleaning machine.**

CONDITIONS: **Said steam cleaning machine shall be maintain at least 50 feet from any dispensing operations or any flammable liquids.**

SUBJECT TO FIELD INSPECTION

NO DEVIATION WITHOUT WRITTEN PERMISSION

TEMPORARY FROM	Chief Engineer of the Fire Dept.
7-29-74 TO **12-31-74**	By [signature]

223/225 E748636-702

ZONING REFERRAL SLIP

FROM: DEPARTMENT OF BUILDING & SAFETY
Second Floor, City Hall

Date 12-21-65

Lot

Tract

TO: THE CITY CLERK
Main Street Floor, Room 1, City Hall

Type of Business Auto Lubing Station

Address 1185 Summit Blvd

Between and Streets

ZONING: C V

CONSERVATION BUREAU:

DEPT. OF BLDG. & SAFETY
CONSERVATION BUREAU
CITY OF LOS ANGELES
ROOM 225 CITY HALL

Approved ☒ Disapproved ☐

Signature

Approved ☒ Disapproved ☐

Signature L. Hatfield

B&S Form B-200 R12.61

#1114
INSPECTION RESPONSIBILITY
Date 12-28-65

DEPARTMENT OF BUILDING AND SAFETY: Date: 6/7/61

The following applicant has applied for a Fire Permit to conduct a(n)

Auto Fueling Station at the location shown below:

David O. Roth & Lloyd E. Johnston

1185 Sunset Blvd

NO 10492

Unless notified to the contrary within ten (10) calendar days, the FIRE DEPARTMENT will assume that this applicant has met all zoning and other Department of Building and Safety regulations and requirements pertinent to the issuance of a FIRE PERMIT and will accordingly take action on said application.

WM. L. MILLER, CHIEF ENGINEER
FIRE DEPARTMENT

Form 526.2

DEPARTMENT OF BUILDING AND SAFETY:

Date: 2-29-60

The following applicant has applied for a Fire Permit to conduct a(n)

Auto Fueling Station at the location shown below:

F. Molina

1161 Sunset Blvd. Zn. 26

Unless notified to the contrary within ten (10) calendar days, the FIRE DEPARTMENT will assume that this applicant has met all zoning and other Department of Building and Safety regulations and requirements pertinent to the issuance of a FIRE PERMIT and will accordingly take action on said application.

WM. L. MILLER, CHIEF ENGINEER
FIRE DEPARTMENT

Form 526.2

ZONING REFERRAL SLIP

FROM: DEPARTMENT OF BUILDING & SAFETY
Second Floor, City Hall

Date 10-8-62

Lot

Tract

TO: THE CITY CLERK
Main Street Floor, Room 1, City Hall

Type of Business SERVICE STATION

Address 1185 SUNSET BLVD

Between and Streets

ZONING:

C M

Approved ☒ Disapproved ☐

Signature

CONSERVATION BUREAU:

DEPT. OF BLDG. & SAFETY
CONSERVATION BUREAU
CITY OF LOS ANGELES
ROOM 225 CITY HALL

Approved ☐ Disapproved ☐

Signature

B&S Form B-200 R12.61

F-233-2M- 10 65 (F-38)

FIRE DEPARTMENT — CITY OF LOS ANGELES

2213 Hill

APPLICATION FOR PERMIT

19801

Reg. No. 4331

Date 12-1971 7-12-71

Name of Owner: ARCO	Doing Business As: SAME
Address of Owner: 645 S. MARIPOSA, LOS ANGELES	Owner's Phone: MA-96111
Address of Installation: 1185 SUNSET BLVD & EVERETT	Phone at Installation:
Mail Permit to: SPENCER & JONES, P.O. BOX 311, EL MONTE 91734	
Signature of Applicant: Spencer	Title: AGENT
	Contractor's Phone: 283-2732

Do Not Write Below This Line

NO.	ITEM	FEE
1	6 M Tanks 16.00 - 15.00 =	25.00

PERMIT GRANTED

Total Fee	Approved	Disapproved	Date	Inspector
25.00	☑	☐	7-12-71	Glen H. Swanson

Worth Pd

F-280—3M—11-59

Fire Department — City of Los Angeles

Engineering Approval No. 2047 Date SEP 8 1960

PLEASE PRINT **APPLICATION FOR PERMIT ERECT, ALTER, RELOCATE**

Reg. No. ~~508~~ 804 Date 9-7-60

Name of Owner	Address	Zone
Richfield Oil Corp	645 Mariposa Ave	

DBA	Phone
Same	MA-9-4111

Address of Installation: 1185 Sunset

Mail Permit to: J.W. Marshall & Sons - 6226 Cherry Ave Long Beach 5

Signature of Applicant	Title	Phone
William Sherman	Supt	Ne-6-4732

DO NOT WRITE BELOW THIS LINE

In accordance with the Provisions of Chapter 5, Article 7, L.A.M.C., application is made to ERECT, ALTER, or RELOCATE

No.		Fee	No.		Fee
4	Atmospheric or L.P. Tank, Shop Built	$48.00		Dip Tank, U/500 Gal.	
	Atmospheric or L.P. Tank, Fld Erected, U/3000 bbl.			Dip Tank, O/500 Gal.	
	Atmospheric or L.P. Tank, Fld Erected, O/3000 bbl.			Flowcoat Machine	
	Pressure Vessel, Domestic Installation			Drying Oven	
	Pressure Vessel, Shop Built			Industrial Heating Equipment	
	Pressure Vessel, Field Erected			Industrial Processing Equipment	
	Special Vessel, Shop Built			Fumigation Chamber	
	Special Vessel, Field Erected			Special Extinguishing System	
	Gas Holder, Shop Built			Fire Hydrant System, Private Property	
	Gas Holder, Field Erected			Compressed/Liquefied Gas Manifold Domestic Installation	
	Spray Booth			Compressed/Liquefied Gas Manifold Other than Domestic	

PERMIT GRANTED SEP 8 1960

Fee	Approved	Disapproved	Date	Inspector
$48.00	✓		9-8-60	A W Martin

F-280—1M—9-69 (F-38)

FIRE DEPARTMENT — CITY OF LOS ANGELES

APPLICATION FOR PERMIT

Reg. No. 17832

Date JUN 26 1970

Name of Owner: Atlantic Richfield Co.	Doing Business As: 55 5085
Address of Owner: 645 Mariposa, Los Angeles.	Owner's Phone: MA 94111
Address of Installation: 1185 Sunset Blvd @ Everett St.	Phone at Installation: 624-0659
Mail Permit to: A. J. DILLON & SONS, INC. 12132 LOS NIETOS RD. SANTA FE SPRINGS, CA. 90670	
Signature of Applicant: William F. Nelson — Title: Secretary Treasurer	Contractor's Phone: 696-0314

Do Not Write Below This Line

NO.	ITEM	FEE
1	piping alteration 5 Ea - 1 1/2" ~	16 00

PERMIT GRANTED JUN 26 1970

Total Fee	Approved	Disapproved	Date	Inspector
16 00	☑	☐	6-24-70	North Smith

FEE: $ 10.00
PENALTY: $ _____
TOTAL: $ 10.00

Permit Number F 556805

CITY OF LOS ANGELES
APPLICATION FOR FIRE PERMIT

L.A.F.D. Oil Well No. _____

List full name of corporation, partnership or sole owner: Fidel B. Molina

Business name (Doing Business As): Joe's Service Sta Date Started: _____

Business address or location description: 1181 Sunset Blvd

Business Telephone No. _____

Mailing address (If different): 1181 Sun Set Blv. Telephone No. _____

THIS APPLICATION IS FOR THE FOLLOWING ACTIVITY: (CHECK APPROPRIATE BOXES BELOW)

1. ☐ PORTABLE FIRE EXTINGUISHERS: ☐ SERVICE AND RECHARGE ☐ RECHARGE ONLY
2. ☐ ESTABLISH, OPERATE OR MAINTAIN A REFINERY OR NATURAL GASOLINE PLANT.
3. ☐ ESTABLISH, OPERATE OR MAINTAIN A LABORATORY OR PILOT PLANT.
4. ☐ DRILL ANY OIL WELL. (LEGAL DESCRIPTION MUST BE ATTACHED ON SEPARATE SHEET)
5. (a) ☐ OPERATE OR MAINTAIN AN OIL WELL IN EXISTENCE PRIOR TO JANUARY 1, 1960, IN THE "LOS ANGELES CITY OIL FIELDS."
   (b) ☐ OPERATE OR MAINTAIN ANY OIL WELL NOT IN EXISTENCE PRIOR TO JANUARY 1, 1960, IN THE "LOS ANGELES CITY OIL FIELDS."
6. ☐ OPERATE OR MAINTAIN THE FOLLOWING ASSEMBLAGE OCCUPANCY WITH A MAXIMUM CAPACITY OF _____ PERSONS:
   ☐ THEATER ☐ MOTION PICTURE THEATER ☐ LITTLE THEATER ☐ PLACE OF ASSEMBLAGE ☐ CHURCH
7. ☐ OPERATE OR MAINTAIN THE FOLLOWING INSTITUTIONAL OCCUPANCY WITH A MAXIMUM CAPACITY OF _____ PERSONS:
   ☐ HOSPITAL ☐ SANITARIUM ☐ BOARDING HOME ☐ CHILDREN'S HOME ☐ SCHOOL ☐ SPECIAL SCHOOL ☐ DAY NURSERY
8. ☐ OPERATE OR MAINTAIN ANY HOTEL OR APARTMENT HOTEL. (LIST OF ASSEMBLAGES WITH CAPACITIES MUST BE ATTACHED.)
   ☐ WITH ASSEMBLAGE OCCUPANCY ☐ WITHOUT ASSEMBLAGE OCCUPANCY
9. ☒ OPERATE OR MAINTAIN A: ☐ MARINE OIL TERMINAL ☐ AIRCRAFT FUELING STATION ☐ BULK DISTRIBUTING STATION ☒ AUTO FUELING STATION
   ☐ LIQUIFIED FLAMMABLE GAS BULK DISTRIBUTING STATION ☐ MARINE SERVICE STATION ☐ LIQUIFIED FLAMMABLE GAS CYLINDER FILLING PLANT
10. ☐ HAZARDOUS MATERIALS: (Show type below, or attach sheet) ☐ STORE ☐ PROCESS ☐ USE MAXIMUM AGGREGATE QUANTITY AT ANY TIME: _____
11. ☐ TRANSPORT HAZARDOUS MATERIALS: (Show type below, or attach sheet) NUMBER OF VEHICLES _____ MAXIMUM AGGREGATE QUANTITY AT ANY TIME: _____

TYPE OF HAZARDOUS MATERIALS: _____

I CERTIFY THAT I AM THE OWNER OR HIS AUTHORIZED REPRESENTATIVE, AND THAT I AM IN CHARGE OF THE BUSINESS, OPERATION, OCCUPATION OR PREMISES DESCRIBED HEREIN, AND THAT I AGREE TO COMPLY WITH ALL REGULATIONS, LAWS OR ORDINANCES PERTAINING THERETO

SIGNATURE OF OWNER OR REPRESENTATIVE: Fidel B. Molina TITLE: _____ DATE: _____

BUS. CODE 702
☒ 04-NEW
☐ 09-FEE EXEMPT

SOURCE: F.D. ☐
OFF. APP. ☒
OFF.APP.-MAIL ☐

ACCEPTED BY: _____ Deputy City Clerk DATE 2-29-60

Form 526.1-1M-1-1-60

J. W. MARSHALL & SONS

★ ★ ★ ★ ★ **CONTRACTORS**

6226 CHERRY AVENUE • GArfield 3-8111 — TELEPHONES — NEvada 6-4732 • LONG BEACH 5, CALIFORNIA

November 22, 1960

City of Los Angeles
Department of Fire
217 South Hill Street
Los Angeles 12, California

Attention: Captian F. Gordon

Gentlemen:

We wish to advise you that six tanks consisting of four (4) 550 gallon and two (2) 3,000 gallon tanks have been removed from 1185 Sunset Boulevard, Los Angeles, California.

These tanks were degassed by dry ice and are presently located at our storage yard at Cherry and Market Streets, Long Beach, California.

Very truly yours,

J. W. MARSHALL & SONS

J. Frank Marshall

J. Frank Marshall, Partner

JFM/an

File 6785

POLICY BOOK
Article 54
Page 1

TANK ABANDONMENT FORM

New address

ADDRESS 1181 Sunset Blvd
1185 Sunset Blvd

DATE 11-22-60

NO. OF TANKS	CAPACITY	METHOD OF ABANDONMENT
4	550	to gassed & removed from the earth
1	3,000	" " " " " "
1	3,500	" " " " " "

LOCATION OF TANK:

REMARKS: All tanks & buildings have been removed from property. New Richfield service station is to be constructed. Plans & permits now in progress.

Glen H Swanson
Signature of Inspector

FPB STENCIL
#91
1-26-50

SHEET	CLASS & HT. OF BLDG.	FILE NO.	AREA	REQUEST FOR C OF C NO.	BLUE PRINT NUMBER	CERTIFICATE OF COMPLETION NO.	ADDRESS
1	D-1	1-68			A-73		SUNSET BLVD. ,1181

FIRE DEPARTMENT, CITY OF LOS ANGELES
BUREAU OF FIRE PREVENTION

APPLICATION NO.	DATE	U.G. GR. PORT.	NUMBER	CAPACITY IN GALLONS	CONTENTS	TANK MANFG.	SYMBOL OR APPROVAL NO.	LOCATION	DISPENSING APPARATUS NO.	DISPENSING APPARATUS MAKE & APPROVAL NO.	DISPENSING APPARATUS LOCATION
	5-21-25	U G	1	~~550~~	Gasoline	All these		OP 7' E Bldg.			
						Tanks re-		4' Undg	4	Comwel #102-C	On Island
	"	"	1	~~550~~	"	moved and		" " "	2	Aqua #203 Met.	" "
	2-25-32	"	1	~~3000~~	"	replaced		OP 14' W Bldg			
						with new.		4' Undg			
								OP15' W pr.Li			
21694	7-27-38	"	1	3000	"	Comwel	#276	4' Undg			
								20' W Pr.Li			
"	"	"	1	550	"	"	#277	4' Undg			
								OP25'W Pr. Li.			
"	"	"	1	550	"	"	"	4' Undg			
								OP 30'WPr.Li.			
"	"	"	1	550	"	"	"	4' Undg			
								OP 35' W Pr. Li			
"	"	"	1	550	"	"	"	4' Undg			
								OP 4' UG			
29105	8-14-40	"	1	3500	"	"	276	9'S of NPL			

TOTAL U. G. TANKS_____

TOTAL U. G. STORAGE_____GALLONS

TOTAL NUMBER OF DISPENSING UNITS_____

OF WHICH_____ARE VISIBLE

OF WHICH_____ARE METER

OF WHICH_____ARE BLIND

FIRE DEPARTMENT, CITY OF LOS ANGELES
BUREAU OF FIRE PREVENTION

APPLICATION NO.	DATE	CODE	NAME OF PERMITEE	RELATED DATA FILE	INSPECTOR
	5-21-25	3-A	shell Oil Co	Page 551 " 552	Tobin
	2-21-29	"	Van Fleet-Durkee Inc		Baldridge
	2-25-32	3-A1	" " " "		Patton
	4-8-32	3-A	SHELL SERVICE INC. LAurence Moroney DBA		"
21694	7-27-38	"	MORONEY'S SERVICE STATION Wm. Rosenbaum DBA	P	Talbet
23726	3-22-39	"	RED CAP SERVICE STATION		Taylor
29105	8-14-40	3-A1	" " " "		"

CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF FIRE
WILLIAM L. MILLER
CHIEF ENGINEER

217 SOUTH HILL STREET
LOS ANGELES 12
MADISON 8-5161

NORRIS POULSON
MAYOR

Sept. 8, 1960

Name J. W. Marshall and Sons
Address 6226 Cherry Avenue
City & State Long Beach 5, Calif.

Attention: Mr. William Shrivan

Re: Installation of 4
Atmospheric Tank(s) for
Name Richfield Oil Corporation
Address 1185 Sunset Blvd.

Gentlemen:

Enclosed find one copy of your drawing stamped with our approval, together with Permit # 804 . This authorizes you to make the installation referred to above, subject to the following conditions:

1. Field inspection by a member of this Department prior to covering of tanks and piping.

2. Pressure test of piping prior to covering. This must be done in the presence of the field inspector.

3. Final approval in writing shall be obtained from the field inspector before the installation may be placed in operation.

Section 57.04.03 requires that all auto fueling stations have a permit, which shall be secured from the City Clerk's Office, Room 1, City Hall.

Please contact Captain F. Gordon of our North Unit, telephone MA 8-6161 (68), to make necessary arrangements for inspection.

Very truly yours,

WILLIAM L. MILLER, CHIEF ENGINEER

Ray H McCune

Ray H. McCune
Fire Prevention Engineer
Engineering & Investigation Section

HCRimf

Enclosure
cc: North Unit

F.P.B. #181

GENERAL NOTES:

NATURAL GRADES SHOWN THUS: 4%

FINISH GRADES SHOWN IN CIRCLES: ○

A STRAIGHT GRADE WILL BE TAKEN BETWEEN POINTS WHERE FINISH GRADES ARE SHOWN IN CIRCLES.

FOR FURTHER INFORMATION, SEE SURVEY.

CONTRACTOR SHALL VERIFY ALL PROPERTY GRADES AND SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE RICHFIELD OIL CORP. REPRESENTATIVE.

ALL ITEMS SUCH AS CURBS, GUTTERS, SIDEWALKS, STREET PAVING, SUMPS, SEPTIC TANKS, CESSPOOLS, DRAIN FIELDS, ANGLES OF REPOSE, UNDERGROUND STORAGE TANKS, VENTS, ETC. SHALL BE CONSTRUCTED AND SET AS LOCAL ORDINANCE REQUIRES.

BOTH MEN AND WOMEN'S REST ROOMS SHALL HAVE VITREOUS CERAMIC TILE FLOOR AND 5'-2" HIGH WAINSCOT ON ALL FOUR WALLS.

DO NOT SCORE CONCRETE WHERE DOTTED LINES INDICATE CHANGE OF SLOPE.

280- WO- 121-60
4000- 127-60
6000 129-60

INSTALLED BY
J.W. MARSHALL & SONS
6926 CHERRY AVE
LONG BEACH 5
NE- 6-4732

NO.	REVISIONS	APPR'D.	DATE
	1185 SUNSET		

GENERAL ARRANGEMENT SERVICE STATION
NEC. SUNSET BLVD. & EVERETT ST. LOS ANGELES, CALIFORNIA

DRAWN BY W.H.G.	DATE 6-10-60	DRAWING NO. S-536
CHECKED BY KAH	SCALE 1/8"=1'-0"	
CHECKED BY REH, JR.		SHEETS SHEET
APPROVED REO		

RICHFIELD OIL CORPORATION
LOS ANGELES, CALIFORNIA

804

CLEARPRINT NO. 1000

FINAL

@ EVERETT STREET
(FORMERLY EVERETT PLACE)

@ SUNSET BOULEVARD
(FORMERLY ELYSIAN PARK AVE.)

GENERAL NOTES:

NATURAL GRADES SHOWN THUS: ⁴/

FINISH GRADES SHOWN IN CIRCLES: ○

A STRAIGHT GRADE WILL BE TAKEN BETWEEN POINTS WHERE FINISH GRADES ARE SHOWN IN CIRCLES.

FOR FURTHER INFORMATION, SEE SURVEY.

CONTRACTOR SHALL VERIFY ALL PROPERTY GRADES AND SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE RICHFIELD OIL CORP. REPRESENTATIVE.

ALL ITEMS SUCH AS CURBS, GUTTERS, SIDEWALKS, STREET PAVING, SUMPS, SEPTIC TANKS, CESSPOOLS, DRAIN PIPES, ANGLE OF REPOSE, UNDERGROUND STORAGE TANKS, VENTS, ETC. SHALL BE CONSTRUCTED AND SET AS LOCAL ORDINANCE REQUIRES.

BOTH MEN AND WOMEN'S REST ROOMS SHALL HAVE CEILINGS OF 8'-0" FLOOR AREA AND 9'-0" HIGH WALLS OF ON 12" FOUR WALLS.

DO NOT SCORE CONCRETE WHERE DOTTED LINES INDICATE CHANGE OF SLOPE.

Reese
68-60 3 P-1
6M

RICHFIELD STD TYPE 4-L
STL SERV STA BLDG W/ END ENTRY TO LUBE BAY
SEE SCHEDULE 'B'

APPROVED
SEP 13 1960
LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION

Tanks and piping shall be installed in compliance with the Los Angeles Fire Code.

An emergency shut-off valve shall be installed under all dispensers served by a pressure delivery system.

SUBJECT TO FIELD INSPECTION

NO.	REVISIONS	APPR'D.	DATE

GENERAL ARRANGEMENT
SERVICE STATION
W'LY GORE CORNER SUNSET BLVD & EVERETT ST.
LOS ANGELES, CALIFORNIA

DRAWN BY W.H.G.	DATE 6-10-60	DRAWING NO.
CHECKED BY KAN	SCALE 1/8"=1'-0"	SS 5085-A
CHECKED BY		SHEETS SHEET
APPROVED REO.		

RICHFIELD OIL CORPORATION
LOS ANGELES, CALIFORNIA

The approval of these plans does not permit any violation of any provisions of the Municipal Code or other ordinances of the City of Los Angeles. Any deviations from these plans must be approved in writing by the Building Department before such deviations are made.

CLEARPRINT NO. 1000

APPROVED
JUN 26 1970
LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION

The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent Sections of the Municipal Code and other laws and regulations.

SUBJECT TO FIELD INSPECTION

EXIST. WATER METER
EXIST. CONC. CURB
EXIST. POWER POLE
EXIST. CONC. SIDEWALK
EVERETT STREET
(FORMERLY EVERETT PLACE)
50'-0"
18'-0"
1" A.C. PAVING BY PAVING CONT'R.
GRADE 1½ : 1 SLOPE
40'-0"
20'-0"
4' HIGH CHAIN LINK FENCE SEE SPECS.
TRASH BIN STD. 77 DET. 17
EXIST. TEL. SERV. POLE
TYPE "A" CONC. BLOCK RET'NG. WALL - MAX. EARTH HEIGHT = 3'-0"
35'-0"
TYPE "B" CONC. BLOCK RET'NG. WALL - MAX EARTH HEIGHT= 5'-0"
280 GAL. U.G. WASTE OIL TANK - STD. 77 DET. 10
1" TEL. CONDUIT
1½" FILL LINE
¾" VENT LINE
33'-0"
VENT CHASE
SERVICE ROOM
STORAGE RM.
REST ROOM
REST ROOM
SALES ROOM
3 FLOODLIGHTS STD. 77 DET. 29
GRADE TO 1½:1 SLOPE
FILL
D.F.
EMERGENCY PUMP SWITCH
SWALE
A.C. YARD PAVING SEE ADDENDA & SPECS.
½" EXPANSION JOINT
BROOM FINISH
EXIST. U.G. TANK FILLS TANKS TO BE REMOVED
6" REINF. CONC. SLAB
1½" PRODUCT LINE TO BE CAPPED AT BOTH ENDS FOR FUTURE USE.
2-2" PRODUCT LINES
1½" PRODUCT LINES
26' PUMP ISLAND W/SLIMLINE ISLAND LIGHTER - STD. 77 DET. 1,2 (PL.0, 7, 9, 21 & 25
REGULAR DISPENSER
3" COL. DISPENSER SUPREME
CASH BOX
3/4" CONC.
SUPREME DISPENSER
CLEAR DISPENSER
A & W
3'-10"x22'-8" D.F. PLASTIC SIGN STD. 168-B 17' CLEARANCE
½" EXPANSION JOINT
5 SPOT CLUSTER ELECTROLIER STD. 77 DET. 13 (PL.3).
6" CONC. CURB STD. 77 DET. 4
NEW CONC. WALL STD. 77 DET. 3 (PL. 4)
10'-0"
REMOVE EXIST. ROCK WALL
EXIST. CONC. SIDEWALK TO BE REMOVED
NEW 4" CONC. SIDEWALK
EXIST. BENCH MARK
EXIST. TRAFFIC SIGNAL
EXIST. CONC. CURB/GUTTER
58'-0"
℄ 213.50'
REMOVE EXIST. CONC. CURB
NEW 6" CONC. DRIVEWAY
NEW 6" CONC. SIDEWALK
EXIST. CONC. SIDEWALK TO BE REMOVED
NEW 4" CONC. SIDEWALK
EXIST. STREET LIGHT
EXIST. WATER METER
EXIST. CONC. CURB
NEW CONC. CURB
8'-0"
4'-0"
REMOVE CONC. WALK
NEW 6" CONC. DRIVEWAY
REMOVE EXIST. CONC. SIDEWALK
NEW 4" CONC. SIDEWALK
EXIST. STREET LIGHT
EXIST. CONC. CURB/GUTTER
NEW CONC. CURB
EXIST. STORM DRAIN
30'-0"
70'-0"
PROPOSED PHONE BOOTH LOCATION STD. 77 DET. 14
EXIST. TANK FILLS
4,000 GAL. PREMIUM CLEAR
4,000 GAL. REGULAR
6,000 GAL. SUPREME
CAP SIPHON 1½" SIPHON LINE
INSTALL TURBINE PUMP CONSULT FILLSLAB
REINF. CONC. RET'G. WALL - TYPE "B" MAX. EARTH HEIGHT = 5'-0"
Transfer all Products
U.G. STORAGE TANKS W/SUBMERGED TURBINE PUMP INSTALLATION. TOP OF TANKS TO 4' BURY UNDER FINISH GRADES - STD. 77 DET. 10 & 24 (SHT. 3-B)
NEW 6" CONC. DRIVEWAY
20'-0"
EXIST. POWER POLE
EXIST. STORM DRAIN
REMOVE EXIST. CONC. SIDEWALK
NEW 4" CONC. SIDEWALK
RICHFIELD STD TYPE "4-L" STA. SERV STA BLDG W/ END ENTRY TO LUBE BAY
SEE SCHEDULE "B"
2" ELECT. SERVICE CONDUIT
2-3 SPOT CLUSTER ELECTROLIER & POSTER BOARD - STD. 77 DET. 13 (PL. 2).
℄ PUMP ISLAND & SIGN
℄ SUNSET BOULEVARD
(FORMERLY ELYSIAN PARK AVE.)
A. J. DILON & SONS, INC.
12132 LOS METOS RD.
SANTA FE SPRINGS, CA. 90670
696-0314

GENERAL NOTES:

NATURAL GRADES SHOWN THUS: ~~~~

FINISH GRADES SHOWN THUS: ○

A SCHEDULE OF ALL OF THE ELEVATION POINTS WHERE CUT GRADES ARE SHOWN IS ON SHEET 2.

FOR FURTHER INFORMATION SEE SHEET 2.

CONTRACTOR SHALL VERIFY ALL PROPERTY GRADES AND SHALL IMMEDIATELY NOTIFY ENGINEER IF THEY DIFFER TO ANY APPRECIABLE DEGREE FROM THOSE SHOWN HEREON.

ALL ITEMS SUCH AS CURBS, GUTTERS, SIDEWALKS, STREET PAVING, SEWERS, SEPTIC TANKS, LEACH LINES, DRAINAGE DITCHES, ANGLES OF REPOSE AND UNDERGROUND STRUCTURES, VENTS, ETC. SHALL BE CONSTRUCTED AND SET AS PER LOCAL ORDINANCE REQUIRES.

ROOF DRAINS AND OTHER DRAINAGE FACILITIES SHALL BE CONNECTED TO STREET GUTTER OR ALLEY WHERE FEASIBLE.

DO NOT SCORE CONCRETE WHERE DOTTED LINES INDICATE CHANGE OF SLOPE.

17832

NO.	REVISIONS	APPR'D.	DATE
	1185 Sunset		
	624-0659		

Install 1-Turbine Pump
Convert 1 Suspenser
Connect exist product line
Cap siphon
Transfer all Products
Electrical
Install 1 taller Light
Construct fill slab
Patch A/C Paving

GENERAL ARRANGEMENT
SERVICE STATION
N'LY CORNER SUNSET BLVD & EVERETT ST.
LOS ANGELES, CALIFORNIA

DRAWN BY	DATE	DRAWING NO.
CHECKED BY KAH	6-10-60	S.S. 5085-A
CHECKED BY FEH, Jr.	SCALE	SHEETS SHEET
APPROVED ACP	1/8"=1'-0"	

RICHFIELD OIL CORPORATION
LOS ANGELES, CALIFORNIA

CLEARPRINT NO. 1020

LOS ANGELES FIRE DEPARTMENT

FIRE PREVENTION BUREAU TECHNICAL SECTION

200 NORTH MAIN STREET
ROOM 1780
LOS ANGELES, CA 90012
(213) 978-3680

HAZARDOUS WASTE BUSINESS CONTACT FORM

DATE: 6/10/2019

To: **BECKY MARTINEZ**
Los Angeles County Fire Department
Phone: Fax: (323) 890-4046

From: **Data Management Unit,** *STACEY GARCIA*
Los Angeles Fire Department
Phone: (213) 978-3680 Fax: (213) 978-3615

Facility ID: FA0028838

Haz Waste ID; 0035009
County Fee Code: 1008

[ ] **New Business**

[X] **Existing Business**

Business Name: B&F AUTO REPAIR (213) 977-2139

Business Owner: ELISA YOLANDA SANCHEZ () -

Site Address:
1185 W SUNSET BLVD
LOS ANGELES, CA 90026

Mailing Address:
1185 W SUNSET BL
LOS ANGELES, CA 90012

Caller Name:

CALLERPHONE#:

Change of Ownership:
Business Name Change:
Site Address Change:
Mailing Address Change:
Claims Different Amount of Employees:

[ ] **Out of Business**
[ ] **Received Undeliverable Mail**
[ ] **No Longer Generates HazWaste**
[X] **Response Necessary**

Other Changes: RETURN MAIL. PLEASE CONFIRM IF STILL IN BUSINESS AND AN ACTIVE HW GENERATOR

County Response

[ ] No Action Necessary
[ ] Inactivated
[ ] Incorrect Fee
[ ] Other: _____

[ ] Updated Info. To Follow
[ ] Do Not Bill
[ ] Not A Haz-Waste Generator

County Fee Code: _____

Los Angeles Fire Department
Underground Storage Tank Project Permit

FIRE DEPT. USE ONLY

CERS ID	LAFD UNIFIED PROGRAM FACILITY ID:	PERMIT NO.:	DATE GRANTED:	WORK MUST BEGIN BY:	EXPIRATION DATE:
20505278	FA0028838	SR0034881	5/27/2022	11/27/2022	5/27/2023

ENFORCEMENT INSPECTOR	FIRE STATION #	PERMIT TYPE:
BARRY BELKNAP 2134070340	003	UST TANK ABANDON BY REMOVAL

LOCATION INFORMATION

DOING BUSINESS AS (DBA): ARAGON (SUNSET/EVERETT) PROPERTIES CORP
EPA ID NO: (not required for installation or monitoring)
ADDRESS: 1185 W SUNSET BLVD
PHONE NO: (310) 871-0727
CITY: LOS ANGELES **STATE:** CA **ZIP:** 90026

PROPERTY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

LESSEE/FACILITY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

CONTRACTOR INFORMATION

NAME: INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
PHONE NO: (714) 340-3333
ADDRESS: 4938 E LA PALMA AVE
CITY: ANAHEIM **STATE:** CA **ZIP:** 92807-

CITY BUSINESS NUMBER:	STATE CONTRACTOR #:	EXP. DATE:	WORK COMP NUMBER -	EXP. DATE:
	1003504	5/31/2021		8/27/2020

PRINT NAME: NICK VORA
EMAIL: NICK@IDRDEMO.COM
TITLE:

	ITEM	PE	QTY
	UST Installation	5100	
	UST Abandonment-In-Place	5200	
[X]	UST Abandonment by Removal	5201	6
	UST Add to/Alter: Monitor/Piping/Disp.	5300	
	UST Tank Entry / Lining / Repair	5301	
	Site Assessment	5400	
	Emergency Plan Check/Site Assessment	5401	

NOTES:
Permit No: SR0034881 Invoice No: IN0324336

Abandon by removal (5) USTs and all associated piping. LAFD Fire Inspector required to be scheduled to witness removal and gathering of soil samples.

APPROVED

Jerry Kao

INSPECTOR NAME: JERRY KAO
INSPECTOR SIGNATURE: LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
CUPA/UST PLAN CHECK

LOS ANGELES FIRE DEPARTMENT

UNDERGROUND STORAGE TANK - PROJECT PERMIT STATEMENT

FIRE PREVENTION BUREAU CUPA SECTION
200 NORTH MAIN STREET, ROOM 1780
LOS ANGELES, CA 90012
TEL: (213) 978-3700
FAX: (213) 978-3615

INVOICE

Invoice Date: 5/26/2022

Permit No/RFI: SR0034881

Invoice No: IN0324336

Owner Name: ARAGON (SUNSET/EVERETT) PROPERTIES CORP

Owner Address: 590 ROSECRANS AVE SU D-303
MANHATTAN BEACH, CA 90266

Owner Phone No: (310) 871-0727

CONTRACTOR (Company Name/Self):
INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED

ARAGON (SUNSET/EVERETT) PROPERTIES CORP
1185 W SUNSET BL
LOS ANGELES, CA 90012

Site Address: 1185 W SUNSET BLVD
LOS ANGELES, CA 90026

	DATE	PE	DESCRIPTION	AMOUNT
PAYMENTS				
	5/26/2022	9917	PRE-PAYMENT (D5)	($7,014.00)
			PAYMENTS SUBTOTAL:	**($7,014.00)**
			CHARGES:	**$0.00**
			PENALTIES:	**$0.00**
			PAYMENTS:	**($7,014.00)**
			ADJUSTMENTS:	**$0.00**
			INVOICE TOTAL DUE:	**($7,014.00)**

For Division 5 Permits:
Plan Check and Inspection services are calculated on a fee for service basis.
Each type of transaction has been assigned a charge based on the estimated time required for the service.
If Plan Check/Inspection services exceeded the assigned hours, additional charges will accrue in 1 hour increments. These additional charges will be billed to the Responsible Party.

For Payments:

200 North Main Street, Room 1700
Los Angeles, CA 90012
Phone: (213) 978-3700
Email: lafd.usttestnotify@lacity.org

Last Payment: **Fund 100 Dept #38 RevS. 3897**

Check No: CC

Check Date: 5/26/2022

Amount Paid: $7,014.00

Signature: _____

LOS ANGELES FIRE DEPARTMENT
Email: lafdustplancheck@lacity.org
Application for Division 5 Permit — Atmospheric Underground Tank

Fire Department Use Only

CERS ID:	LAFD Unified Program Facility ID:	Permit No.	Fire Station #	Date Granted (The work must start within 6 mos.)
	Enforcement Inspector	Permit Type:		**Expiration** Date: **(The work** must be completed)

LOCATION INFORMATION

Doing Business As (DBA):			**EPA ID No.** CAC003174277
Address: *Number* *Dir.*	*Street Name*	*St., Ave., Blvd., etc.*	**Phone No.:** (310) 871-0727
City:	**State:**	**Zip:**	

PROPERTY OWNER

Name:		**Phone Number: (** 310 **)** 871-0727
Address:		**Email:** rbeilfuss@aragon.ca
City:	**State:**	**Zip:**
Print Name: Russell Beilfuss	**Signature:** Russell Beilfuss	

LESSEE/FACILITY OWNER

Name:		**Phone Number: (** 310 **)** 871-0727
Address:		**Email:** rbeilfuss@aragon.ca
City:	**State:**	**Zip:**
Print Name: Russel Beilfuss	**Signature:** Russell Beilfuss	

CONTRACTOR INFORMATION

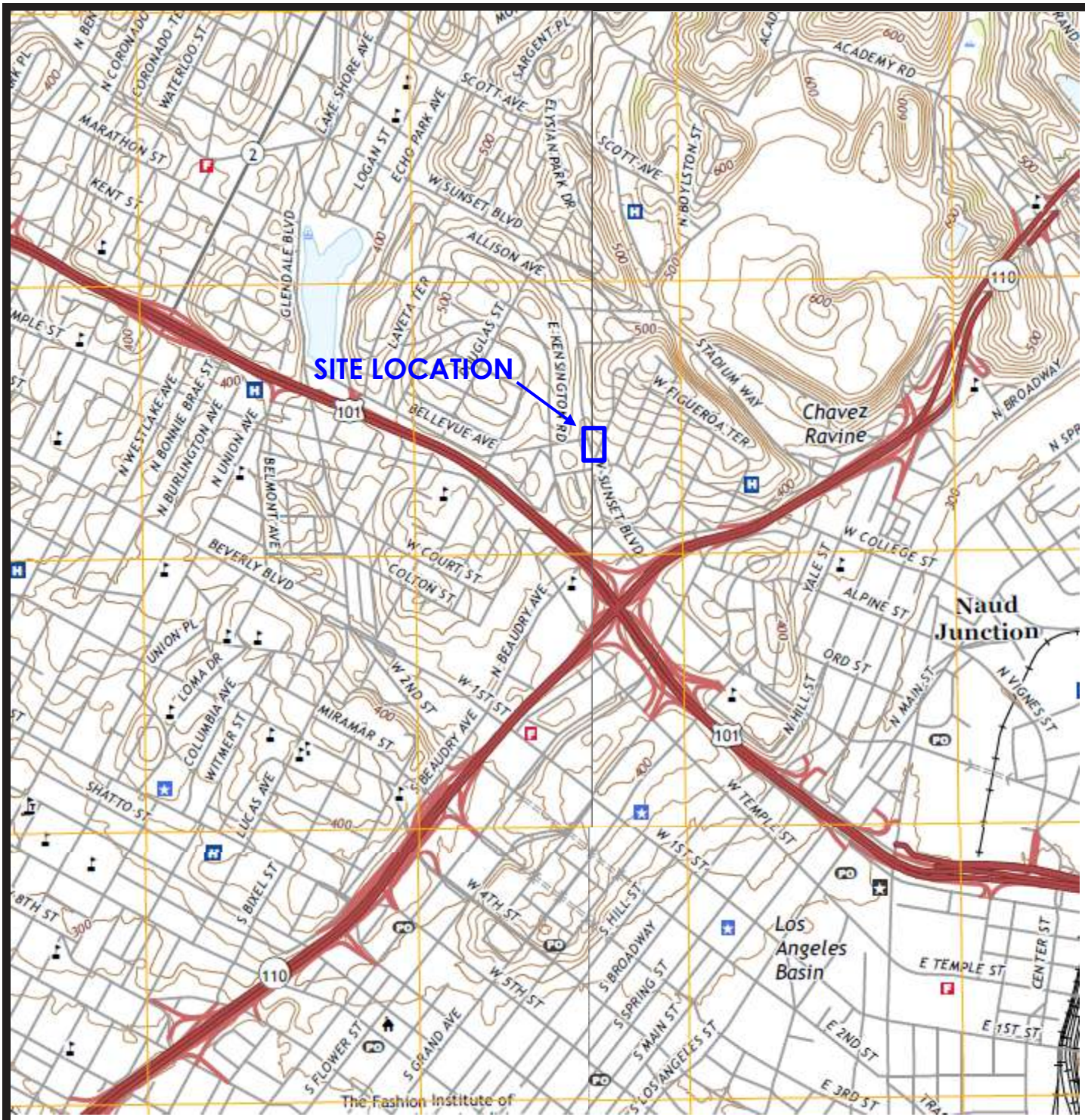
Company Name:		**Phone Number: (** **)**
Address:		**Email:**
City:	**State:**	**Zip:**
City Business Number:	**State Contractors Number:**	**Work Comp Number:**
Print Name:	**Signature:** S.Vora	**Title:**

ITEM	PE	QTY	NOTES:
☐ **UST(s) Installation**	**5100**		
☐ **UST(s) Abandonment by Removal**	**5201**		four 500-gal UST, one 150-gal UST. Contents
☐ **UST(s) Abandonment-In-Place**	**5200**		of each are unknown.
☐ **UST(s) Tank Entry / Lining / Repair**	**5301**		
☐ **UST(s) Add to / Alter: Monitor / Piping / Disp.**	**5300**		
☐ **Site Assessment**	**5400**		
☐ **Emergency Plan Check / Site Assessment**	**5401**		

Please indicate payment method by checking appropriate box: **Credit Card** **Check**

CREDIT/DEBIT CARD PAYMENT SERVICE FEE ADVISORY:

EFFECTIVE JULY 1, 2020, CREDIT OR DEBIT CARD PAYMENTS ARE SUBJECT TO A NON- REFUNDABLE 2.70% SERVICE FEE WHICH WILL BE COLLECTED AND PROCESSED AS A SEPARATE TRANSACTION BY OUR THIRD PARTY PAYMENT PROCESSOR, ELAVON INC. THIS RATE IS SUBJECT TO CHANGE BASED ON CREDIT/DEBIT INTERCHANGE RATE.



Source: USGS, Hollywood Quadranales, 7.5 Minute Series (2018)

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 1

PROJECT NO.: 0942.1020.0

DATE: MAY 12, 2022

SITE LOCATION MAP

CITY OF LOS ANGELES
Office of Finance
P.O. Box 53200
Los Angeles CA 90053-0200

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**********ALL FOR AADC 928 69
INTEGRATED DEMOLITION AND REMEDIATION INC. 16617
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

THIS CERTIFICATE MUST BE POSTED AT PLACE OF BUSINESS

CITY OF LOS ANGELES TAX REGISTRATION CERTIFICATE

THIS CERTIFICATE IS GOOD UNTIL SUSPENDED OR CANCELLED

BUSINESS TAX ISSUED: 5/13/2019

ACCOUNT NO.	FUND/CLASS	DESCRIPTION	STARTED	STATUS
0002921760-0001-6	L188	Contractor	8/1/2016	Active

INTEGRATED DEMOLITION AND REMEDIATION INC
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

ISSUED TO

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**ISSUED FOR TAX COMPLIANCE PURPOSES ONLY
NOT A LICENSE, PERMIT, OR LAND USE AUTHORIZATION**

"No registration certificate or permit issued under the provisions of the Business Tax ordinances of the LAMC, or the payment of any tax required under the provisions of the Business Tax ordinances of the LAMC shall be construed as authorizing the conduct or continuance of any illegal business or of a legal business in an illegal manner."

ISSUED BY:
Clare Bartels
DIRECTOR OF FINANCE

NOTIFY THE OFFICE OF FINANCE IN WRITING OF ANY CHANGE IN OWNERSHIP OR ADDRESS - Office of Finance, P.O. Box 53200, Los Angeles CA 90053-0200
IMPORTANT - READ REVERSE SIDE

FORM 2000 (Rev. 11/15)

(http://[illegible]e.lacity.org/)

Annual Business Taxes

Renewal Confirmation

This is a confirmation receipt for your submitted renewal. Please print and keep this receipt for your records.

Transaction Information:

Your Renewal was submitted and received on 01/28/2022.
The confirmation number for this transaction is **F0002921760000162022**

Your on-line payment for $399.40 was submitted and received.

The payment reference number is 2226575200

PAID
JAN 28 2022
By: DB PW ACH

Based on the information that you have submitted thus far, the following are your identified taxable business activities.

Note: The issuance of a Tax Registration Certificate and the payment of the business tax do not authorize the conduct or continuance of any illegal business or of a legal business in an illegal manner within the City of Los Angeles. The City has enacted regulatory ordinances in areas such as zoning, building safety, police, fire, hazardous material disclosure, sanitation, health, etc., which must be complied with in order to lawfully conduct a business within the City. Failure to comply with these regulatory ordinances may result in legal action being taken against the taxpayer.

Legal Name: INTEGRATED DEMOLITION AND REMEDIATION INC.

Account Number: 000292176000016

Business Location: 4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

Taxable Activities:

Business Activity	Basis for Tax
Contractor(L188)	300000

CA STATE FEE (SB 1186)	$4.00
Total Amount Due: **(Total tax due, including any interest and penalties for late payment.** **If total amount due is zero then no tax is due.)**	► **$399.40**

Six (6) digit Primary/Principal Business or Professional Activity Code Number as reported on your Federal tax return: Refer to the instructions with your Federal tax return to determine this code. (Copies of Form 1040 Schedule C instructions are available on-line at www.irs.ustreas.gov (http://www.irs.ustreas.gov) under Forms and Publications.) Note: If your business was newly established in 2021 and you have not yet filed a Federal Tax Return, you may leave this line blank.	None
Six (6) digit Primary/Principal Business or Professional Activity Code for any secondary business activity that comprises at least $1,000,000 and 40% of your gross receipts:	None

Please provide us with additional information below:

Is this business Female Owned? ○ **Yes** ○ **No**

- A Female-Owned Business is defined as a business with at least 51% owned by one or more women.

Is this business Minority Owned? ○ **Yes** ○ **No**

- A business is minority owned if it is at least 51% or more owned by an ethnic minority. An ethnic minority is an individual of African-American, Hispanic American, Native American, Asian American, Pacific Islander, Asian Indian American origin or heritage.

Is the aggregate cost of your business personal property $100,000 or more? ○ **Yes** ○ **No**

- Each year the Los Angeles County Assessor is responsible for the assessment of business personal property for property tax purposes. Examples of business personal property are machinery, equipment, furniture, computers, tools and supplies, etc. Business inventory is exempt and not subject to property tax. A business property statement, Form 571-L, is required to be filed if the aggregate cost of your taxable personal property is $100,000 or more on January 1 of each year, or if the Assessor requests you to file a statement. To learn more about Los Angeles County business personal property tax, visit the Assessor's website (https://assessor.lacounty.gov/)

CITY OF LOS ANGELES
OFFICE OF FINANCE
P.O. BOX 53200
LOS ANGELES, CA 90053-0200

los angeles office of finance

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
LOS ANGELES, CA
PERMIT NO. 12932

Account No: 0002921760-0001-6
Location: 4938 E LA PALMA AVE 92807

PAID
JAN 28 2022
By: DB PWACH

RETURN SERVICE REQUESTED
36915 **********AUTO**ALL FOR AADC 928 50
INTEGRATED DEMOLITION AND REMEDIATION INC.
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

2022 City of Los Angeles Business Tax Renewal

Thank you for filing your 2021 Business Tax Renewal online! We encourage you to continue using our **E-Filing System for your 2022 renewal**. Please note that this postcard is your only official reminder concerning your 2022 renewal requirement for the account shown on the front of this card.

Visit finance.lacity.org/renewal, enter a few details and the system automatically calculates your business tax liability, if any. To access E-Filing, you can use either your **account number, your Social Security Number, or your Federal Employer Identification Number**. If a tax liability is due you can pay online via e-check, credit card (a service fee will apply), or by ACH (required if your tax liability is $50,000 or more).

Business tax renewals are due on January 1, 2022 and delinquent if submitted after **February 28, 2022**. **Even if no tax is due, you must submit a completed renewal.** For more information, please visit our website at finance.lacity.org or contact us at (844) 663-4411.

California Assembly Bill 1379 – As required by State Law, a $4.00 fee must be paid for each year that you report a tax liability to the City. The $4.00 fee will **not** apply to any year in which you are exempt from a tax liability. For more information visit: finance.lacity.org/AB1379

As many business owners have been affected as a result of the COVID-19 pandemic, the City of Los Angeles along with other entities have enacted programs that may assist businesses during this time. Please visit our website at https://finance.lacity.org/blog/covid-19-business-resources for a list of organizations and websites that provide information regarding assistance. For updates from the Mayor's office please visit corona-virus.la.

PLEASE DO NOT REPORT TO OUR PUBLIC COUNTERS

CONTRACTORS STATE LICENSE BOARD

Contractor's License Detail for License # 1003504

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click here for a definition of disclosable actions.
- Only construction related civil judgments reported to CSLB are disclosed (B&P 7071.17).
- Arbitrations are not listed unless the contractor fails to comply with the terms.
- Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 5/27/2022 2:12:27 PM

Business Information

INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
4938 E LA PALMA AVENUE
ANAHEIM, CA 92807
Business Phone Number:(714) 340-3333

Entity Corporation
Issue Date 05/11/2015
Expire Date **05/31/2023**

License Status

This license is current and active.

All information below should be reviewed.

Classifications

- B - GENERAL BUILDING
- C21 - BUILDING MOVING, DEMOLITION
- C22 - ASBESTOS ABATEMENT (Check DOSH Asbestos Registration)
- A - GENERAL ENGINEERING

Certifications

- HAZ - HAZARDOUS SUBSTANCES REMOVAL

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with AMERICAN CONTRACTORS INDEMNITY COMPANY.
Bond Number: 100275146
Bond Amount: $15,000
Effective Date: 01/01/2016
Contractor's Bond History

Bond of Qualifying Individual

- This license filed Bond of Qualifying Individual number **100345334** for JOSE RAMON SANCHEZ in the amount of **$12,500** with AMERICAN CONTRACTORS INDEMNITY COMPANY.
  Effective Date: 04/17/2017
- The qualifying individual SHRENIK VORA certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.
  Effective Date: 07/27/2016
  BQI's Bond History

Workers' Compensation

This license has workers compensation insurance with the STARR INDEMNITY & LIABILITY COMPANY

Policy Number:100000463801
Effective Date: 05/21/2022
Expire Date: 05/21/2023
Workers' Compensation History

Miscellaneous Information

- 04/13/2016 - DOSH REGISTRATION VERIFIED FOR C22
- 04/14/2016 - C22 NOT VALID 04/04/16 TO 04/13/16
- 04/21/2017 - DOSH REGISTRATION VERIFIED FOR C22

Other

- Personnel listed on this license (current or disassociated) are listed on other licenses.

Copyright © 2022 State of California

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/21/2023 | 5/20/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Insurance Brokers,LLC CA License #0F15767 777 S. Figueroa Street, 52nd fl. Los Angeles CA 90017 213-689-0065	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
INSURED 1479555 Integrated Demolition & Remediation, Inc. 4938 E La Palma Ave Anaheim CA 92807	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** Starr Surplus Lines Insurance Company — 13604 **INSURER B :** Travelers Property Casualty Co of America — 25674 **INSURER C :** Allied World National Assurance Company — 10690 **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES INTDE01 **CERTIFICATE NUMBER:** 18556945 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [X] OCCUR X Ded: $10,000 GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER:	N	N	1000067641221	5/21/2022	5/21/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 3,000,000 $ 100,000 $ 25,000 $ 1,000,000 $ 6,000,000 $ 3,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY	N	N	1000638121221	5/21/2022	5/21/2023	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
A	[ ] **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE DED [ ] RETENTION $	N	N	1000337817221	5/21/2022	5/21/2023	EACH OCCURRENCE AGGREGATE 	$ 10,000,000 $ 10,000,000 $ XXXXXXX
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	N	100 0004638 01	5/21/2022	5/21/2023	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C B A A	2nd XS Liab. L/R Equip. Prof. Liab. Poll. Liab.	N	N	0311-8604 QT-630-1S70782A-TIL-22 1000067641211 1000067641221	5/21/2022 5/21/2022 5/21/2022 5/21/2022	5/21/2023 5/21/2023 5/21/2023 5/21/2023	$10M occ./$10M agg. Limit: $1M $1M each claim/$2M agg. $1M occ./$2M agg.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

18556945
Evidence of Coverage

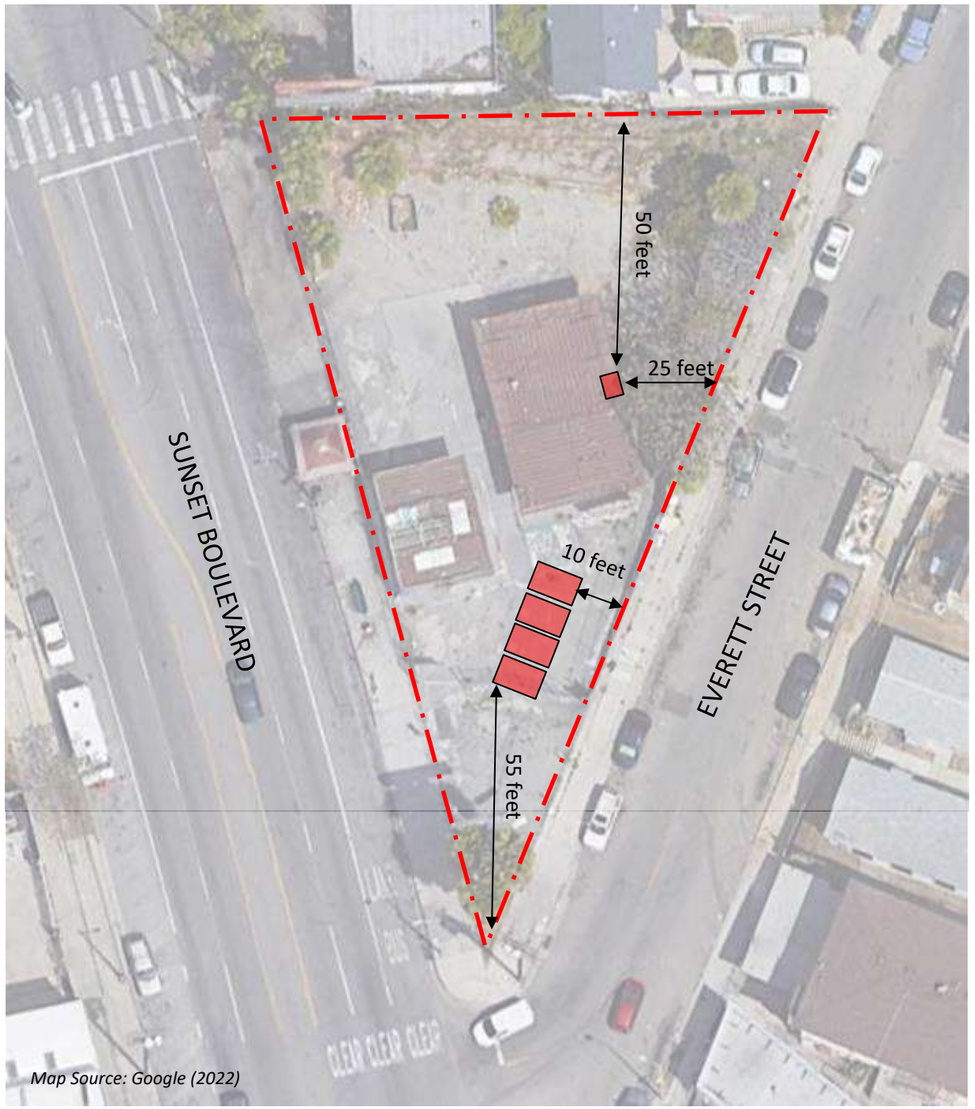
CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

Site Plan and Vicinity Map



Scope of Work: Abandon by removal five (5) underground storage tanks (UST). A Site Plan and Vicinity Map is provided at left. A detailed Scope of Work for the abandonment by removal is outlined below:

1. Four 500-gallon capacity fuel USTs and one 150-gallon capacity waste oil UST from historical gasoline station operations are buried at the site. Access to the fuel USTs is via a surface access port that is presently sealed with asphalt. An access port for the waste oil UST is not observable due to the presence of trash and debris. Citadel believes the USTs to be buried approximately two to our feet underground and are of single-walled steel construction. The fuel USTs are assumed to be of approximately 6 feet in length and 48 inches in diameter. The waste oil UST is assumed to be approximately 4 feet in length and 30 inches in diameter. The contents of each UST is unknown.
2. Prior to beginning work, a Health and Safety Plan (HASP) will be prepared and implemented.
3. All tank identifications shall remain on the tank. Do not remove the Underwriter's Laboratory tag or any other identification from the tank. The Division 5 Permit number and "LAFD" will be painted on the side of the UST.
4. A combustible gas indicator (properly calibrated) will be on the job site during the entire operation.
5. During soil disturbance and removal processes, Citadel will monitor air emissions at 15-minute intervals using a direct reading portable photo-ionizing detector (PID), or equivalent, and record the measurements.
6. Prior to excavation, place a minimum of 20 pounds of dry ice per 1,000 gallons capacity into each tank at least TWO HOURS PRIOR to any further work being performed. All excavated soil (from the unearthing of the UST) must be retained on site and covered until determination of contamination and disposal has been made. Soil may be removed only with approval from the LAFD Inspector.
7. No cutting torch, open flame, or spark-producing equipment shall be used on the tank or piping. Electric lines, piping, and other tank apparatus shall be isolated or disconnected. All piping shall be left intact until the tank is exposed and ready to be removed.
8. Check the tank for an explosive atmosphere utilizing a combustible gas indicator. Air purging of the tank shall be initiated whenever the atmosphere inside the tank is above 20 percent of the lower explosive limit (LEL).
9. If the tank is not empty, remove residual product with a vacuum truck using a high-pressure water rinse with a minimum 2,000 psi, and detergent (if necessary). All interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste disposal site or licensed TSDF by a licensed hazardous waste transporter and a copy of the manifest will be supplied to the LAFD inspector.
10. A certified Industrial Hygienist or Marine Chemist will certify that the tank is clean and supply a copy of the certification to the LAFD Inspector.
11. Lift the tank from the excavation and inspect for signs of leakage then secure it on an appropriate transport vehicle with its openings at the top. The UST shall be removed intact and not punctured or crushed on-site. The licensed transporter shall transport the tank to a licensed recycler or waste disposal site, subject to all applicable government regulations.
12. The LAFD Inspector witnessing the abandonment shall be given a copy of the transport manifest, and shall be given the address as to where the tank will be transported.
13. Soil samples shall be obtained from beneath the tank, piping, and spoils pile at the direction of the LAFD Inspector. Soil sampling shall be performed by a Professional Geologist, or a trained technician deemed qualified to take soil samples if they have a letter in their possession certifying their training and experience in taking soil samples and are under the supervision of the Professional Geologist.
14. Soil samples will be analyzed for the full range of total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015M, benzene, toluene, ethylbenzene, and xylene (BTEX), oxygenates and naphthalene by EPA Method 8260B. Additional analyses may be required per the LAFD inspector.

Facility Owner:
Aragon (Sunset/Everett) Properties Corporation

EPA ID #:
CAC003174277

Prepared by:
Citadel Professional Geologist Scott Grasse, California PG #9878;
sgrasse@citadelehs.com

Permit Approval

SUBJECT TO FIELD INSPECTION
Approval of these plans and/or specifications does not exempt them from compliance with all pertinent sections of Municipal, State, or Federal code, law, or regulation
APPROVED
Jerry Kao
LOS ANGELES FIRE DEPARTMENT CUPA
UNDERGROUND STORAGE TANK PLAN CHECK

APPROVED SR0034881
By Jerry Kao at 2:19 pm, May 27, 2022

APPROVAL / ACCEPTANCE
The following systems have been inspected and approved/accepted by the LAFD CUPA

	INSPECTOR SIGNATURE	PRINT NAME	DATE
Primary Containment System			
Secondary Containment System			
Monitoring System			
Other			

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 2 – Cover Page

PROJECT NO.: 0942.1020.0
DATE: MAY 12, 2022

Division 5 Permit Application

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

SINGLE-WALL STEEL TANKS,

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME 740: CONSTRUCTION SITE

TANK OWNER ADDRESS 741: 1185 WEST SUNSET BOULEVARD

TANK OWNER CITY 742: LOS ANGELES | STATE 743: CALIFORNIA | ZIP CODE 744: 90021

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL: Top	Center	Bottom	Concentration of Oxygen, %: Top	Center	Bottom
1	0714/2 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	0714/3 748	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	0714/4 751	0 752a	0 752b	0 752c	20.9 753a	20.9 753b	20.9 753c

9 12,000- GALLON, GASOLINE TANKS

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinsate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER 754: Nancy G. Carraway

NAME OF CERTIFIER (Print) 755: Nancy G. Carraway

TITLE OF CERTIFIER: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 07/14/2022

CERTIFICATION TIME: 0714/2= 7:07 am - 7:10am; 0714/3 = 7:10 am - 7:13 am; 0714/4 = 7:14am - 7:17 am

STATUS OR AFFILIATION OF CERTIFYING PERSON 760

Certifier is a representative of the CUPA, authorized agency, or LIA: ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: LOS ANGELES CITY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763: GASOLINE, OIL ☑ Yes ☐ No

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.)

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

CGI: RKI Eagle, serial number E181203

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

HAZARDOUS WASTE

SINGLE-WALL STEEL TANKS

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME: CONSTRUCTION SITE 740

TANK OWNER ADDRESS: 1185 WEST SUNSET BOULEVARD 741

TANK OWNER CITY: LOS ANGELES 742 | STATE: CALIFORNIA 743 | ZIP CODE: 90026 744

II. TANK CLOSURE INFORMATION

~12,000-GALLON OIL TANK

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL			Concentration of Oxygen, %		
		Top	Center	Bottom	Top	Center	Bottom
1	0714/5 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	0714/6 748	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	751	752a	752b	752c	753a	753b	753c

~350 OIL TANK

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 07/14/2022

CERTIFICATION TIME: 0714/5: 7:17 am - 7:20 am; 0714/6: 7:27 am - 7:30 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760 ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: LOS ANGELES CITY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS: GASOLINE, OIL 763 ☑ Yes ☐ No

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.)

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

CGI: RKI Eagle, serial number E181203

Los Angeles Fire Department
Underground Storage Tank Project Permit

FIRE DEPT. USE ONLY

CERS ID	LAFD UNIFIED PROGRAM FACILITY ID:	PERMIT NO.:	DATE GRANTED:	WORK MUST BEGIN BY:	EXPIRATION DATE:
20505278	FA0028838	SR0034881	5/27/2022	11/27/2022	5/27/2023

ENFORCEMENT INSPECTOR	FIRE STATION #	PERMIT TYPE:
BARRY BELKNAP 2134070340	003	UST TANK ABANDON BY REMOVAL

LOCATION INFORMATION

DOING BUSINESS AS (DBA): ARAGON (SUNSET/EVERETT) PROPERTIES CORP
EPA ID NO: (not required for installation or monitoring)
ADDRESS: 1185 W SUNSET BLVD
PHONE NO: (310) 871-0727
CITY: LOS ANGELES **STATE:** CA **ZIP:** 90026

PROPERTY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

LESSEE/FACILITY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

CONTRACTOR INFORMATION

NAME: INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
PHONE NO: (714) 340-3333
ADDRESS: 4938 E LA PALMA AVE
CITY: ANAHEIM **STATE:** CA **ZIP:** 92807-

CITY BUSINESS NUMBER:	STATE CONTRACTOR #:	EXP. DATE:	WORK COMP NUMBER -	EXP. DATE:
	1003504	5/31/2021		8/27/2020

PRINT NAME: NICK VORA
EMAIL: NICK@IDRDEMO.COM
TITLE:

	ITEM	PE	QTY
	UST Installation	5100	
	UST Abandonment-In-Place	5200	
[X]	UST Abandonment by Removal	5201	6
	UST Add to/Alter: Monitor/Piping/Disp.	5300	
	UST Tank Entry / Lining / Repair	5301	
	Site Assessment	5400	
	Emergency Plan Check/Site Assessment	5401	

NOTES:
Permit No: SR0034881 Invoice No: IN0324336

Abandon by removal (5) USTs and all associated piping. LAFD Fire Inspector required to be scheduled to witness removal and gathering of soil samples.

APPROVED

Jerry Kao

INSPECTOR NAME: JERRY KAO
INSPECTOR SIGNATURE: LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
CUPA/UST PLAN CHECK

LOS ANGELES FIRE DEPARTMENT

UNDERGROUND STORAGE TANK - PROJECT PERMIT STATEMENT

FIRE PREVENTION BUREAU CUPA SECTION
200 NORTH MAIN STREET, ROOM 1780
LOS ANGELES, CA 90012
TEL: (213) 978-3700
FAX: (213) 978-3615

INVOICE

Invoice Date: 5/26/2022

Permit No/RFI: SR0034881

Invoice No: IN0324336

Owner Name: ARAGON (SUNSET/EVERETT) PROPERTIES CORP

Owner Address: 590 ROSECRANS AVE SU D-303
MANHATTAN BEACH, CA 90266

Owner Phone No: (310) 871-0727

CONTRACTOR (Company Name/Self):
INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED

ARAGON (SUNSET/EVERETT) PROPERTIES CORP
1185 W SUNSET BL
LOS ANGELES, CA 90012

Site Address: 1185 W SUNSET BLVD
LOS ANGELES, CA 90026

	DATE	PE	DESCRIPTION	AMOUNT
PAYMENTS				
	5/26/2022	9917	PRE-PAYMENT (D5)	($7,014.00)
			PAYMENTS SUBTOTAL:	**($7,014.00)**
			CHARGES:	**$0.00**
			PENALTIES:	**$0.00**
			PAYMENTS:	**($7,014.00)**
			ADJUSTMENTS:	**$0.00**
			INVOICE TOTAL DUE:	**($7,014.00)**

For Division 5 Permits:
Plan Check and Inspection services are calculated on a fee for service basis.
Each type of transaction has been assigned a charge based on the estimated time required for the service.
If Plan Check/Inspection services exceeded the assigned hours, additional charges will accrue in 1 hour increments. These additional charges will be billed to the Responsible Party.

For Payments:

200 North Main Street, Room 1700
Los Angeles, CA 90012
Phone: (213) 978-3700
Email: lafd.usttestnotify@lacity.org

Last Payment: **Fund 100 Dept #38 RevS. 3897**

Check No: CC

Check Date: 5/26/2022

Amount Paid: $7,014.00

Signature: _____

LOS ANGELES FIRE DEPARTMENT
Email: lafdustplancheck@lacity.org
Application for Division 5 Permit — Atmospheric Underground Tank

Fire Department Use Only

CERS ID:	LAFD Unified Program Facility ID:	Permit No.	Fire Station #	Date Granted (The work must start within 6 mos.)
	Enforcement Inspector	Permit Type:		**Expiration** Date: **(The work** must be completed)

LOCATION INFORMATION

Doing Business As (DBA):			**EPA ID No.** CAC003174277
Address: *Number* *Dir.*	*Street Name*	*St., Ave., Blvd., etc.*	**Phone No.:** (310) 871-0727
City:	**State:**	**Zip:**	

PROPERTY OWNER

Name:		**Phone Number: (** 310 **)** 871-0727
Address:		**Email:** rbeilfuss@aragon.ca
City:	**State:**	**Zip:**
Print Name: Russell Beilfuss	**Signature:** Russell Beilfuss	

LESSEE/FACILITY OWNER

Name:		**Phone Number: (** 310 **)** 871-0727
Address:		**Email:** rbeilfuss@aragon.ca
City:	**State:**	**Zip:**
Print Name: Russel Beilfuss	**Signature:** Russell Beilfuss	

CONTRACTOR INFORMATION

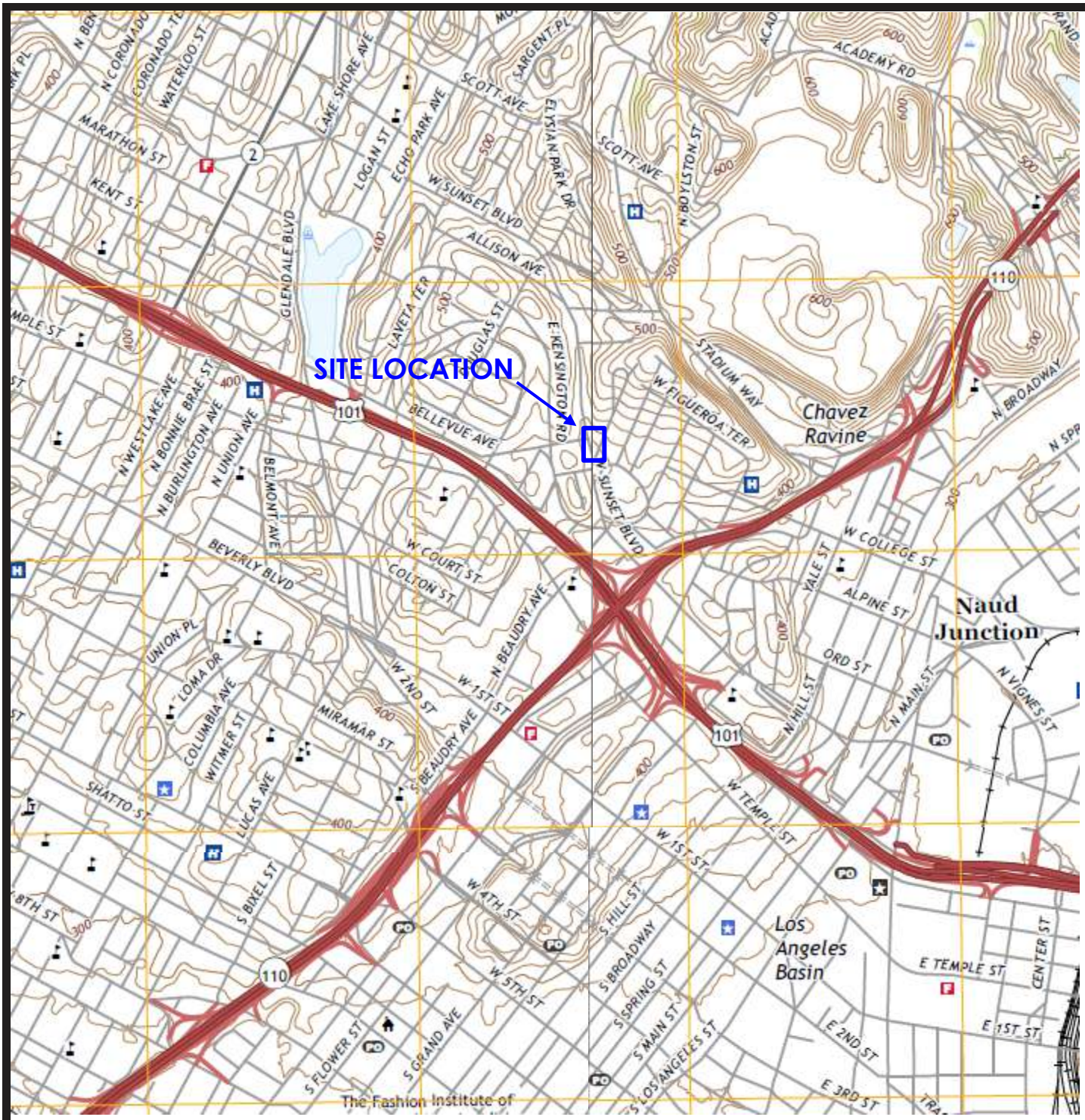
Company Name:		**Phone Number: (** **)**
Address:		**Email:**
City:	**State:**	**Zip:**
City Business Number:	**State Contractors Number:**	**Work Comp Number:**
Print Name:	**Signature:** S.Vora	**Title:**

ITEM	PE	QTY	NOTES:
☐ **UST(s) Installation**	**5100**		
☐ **UST(s) Abandonment by Removal**	**5201**		four 500-gal UST, one 150-gal UST. Contents
☐ **UST(s) Abandonment-In-Place**	**5200**		of each are unknown.
☐ **UST(s) Tank Entry / Lining / Repair**	**5301**		
☐ **UST(s) Add to / Alter: Monitor / Piping / Disp.**	**5300**		
☐ **Site Assessment**	**5400**		
☐ **Emergency Plan Check / Site Assessment**	**5401**		

Please indicate payment method by checking appropriate box: **Credit Card** **Check**

CREDIT/DEBIT CARD PAYMENT SERVICE FEE ADVISORY:

EFFECTIVE JULY 1, 2020, CREDIT OR DEBIT CARD PAYMENTS ARE SUBJECT TO A NON- REFUNDABLE 2.70% SERVICE FEE WHICH WILL BE COLLECTED AND PROCESSED AS A SEPARATE TRANSACTION BY OUR THIRD PARTY PAYMENT PROCESSOR, ELAVON INC. THIS RATE IS SUBJECT TO CHANGE BASED ON CREDIT/DEBIT INTERCHANGE RATE.



Source: USGS, Hollywood Quadranales, 7.5 Minute Series (2018)

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 1

PROJECT NO.: 0942.1020.0

DATE: MAY 12, 2022

SITE LOCATION MAP

CITY OF LOS ANGELES
Office of Finance
P.O. Box 53200
Los Angeles CA 90053-0200

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**********ALL FOR AADC 928 69
INTEGRATED DEMOLITION AND REMEDIATION INC. 16617
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

THIS CERTIFICATE MUST BE POSTED AT PLACE OF BUSINESS

CITY OF LOS ANGELES TAX REGISTRATION CERTIFICATE

THIS CERTIFICATE IS GOOD UNTIL SUSPENDED OR CANCELLED

BUSINESS TAX ISSUED: 5/13/2019

ACCOUNT NO.	FUND/CLASS	DESCRIPTION	STARTED	STATUS
0002921760-0001-6	L188	Contractor	8/1/2016	Active

INTEGRATED DEMOLITION AND REMEDIATION INC
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

ISSUED TO

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**ISSUED FOR TAX COMPLIANCE PURPOSES ONLY
NOT A LICENSE, PERMIT, OR LAND USE AUTHORIZATION**

"No registration certificate or permit issued under the provisions of the Business Tax ordinances of the LAMC, or the payment of any tax required under the provisions of the Business Tax ordinances of the LAMC shall be construed as authorizing the conduct or continuance of any illegal business or of a legal business in an illegal manner."

ISSUED BY:
Clare Bartels
DIRECTOR OF FINANCE

NOTIFY THE OFFICE OF FINANCE IN WRITING OF ANY CHANGE IN OWNERSHIP OR ADDRESS - Office of Finance, P.O. Box 53200, Los Angeles CA 90053-0200
IMPORTANT - READ REVERSE SIDE

FORM 2000 (Rev. 11/15)

(http://[illegible]e.lacity.org/)

Annual Business Taxes

Renewal Confirmation

This is a confirmation receipt for your submitted renewal. Please print and keep this receipt for your records.

Transaction Information:

Your Renewal was submitted and received on 01/28/2022.
The confirmation number for this transaction is **F0002921760000162022**

Your on-line payment for $399.40 was submitted and received.

The payment reference number is 2226575200

PAID
JAN 28 2022
By: DB PW ACH

Based on the information that you have submitted thus far, the following are your identified taxable business activities.

Note: The issuance of a Tax Registration Certificate and the payment of the business tax do not authorize the conduct or continuance of any illegal business or of a legal business in an illegal manner within the City of Los Angeles. The City has enacted regulatory ordinances in areas such as zoning, building safety, police, fire, hazardous material disclosure, sanitation, health, etc., which must be complied with in order to lawfully conduct a business within the City. Failure to comply with these regulatory ordinances may result in legal action being taken against the taxpayer.

Legal Name: INTEGRATED DEMOLITION AND REMEDIATION INC.

Account Number: 000292176000016

Business Location: 4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

Taxable Activities:

Business Activity	Basis for Tax
Contractor(L188)	300000

CA STATE FEE (SB 1186)	$4.00
Total Amount Due: **(Total tax due, including any interest and penalties for late payment.** **If total amount due is zero then no tax is due.)**	► **$399.40**

Six (6) digit Primary/Principal Business or Professional Activity Code Number as reported on your Federal tax return: Refer to the instructions with your Federal tax return to determine this code. (Copies of Form 1040 Schedule C instructions are available on-line at www.irs.ustreas.gov (http://www.irs.ustreas.gov) under Forms and Publications.) Note: If your business was newly established in 2021 and you have not yet filed a Federal Tax Return, you may leave this line blank.	None
Six (6) digit Primary/Principal Business or Professional Activity Code for any secondary business activity that comprises at least $1,000,000 and 40% of your gross receipts:	None

Please provide us with additional information below:

Is this business Female Owned? ○ **Yes** ○ **No**

- A Female-Owned Business is defined as a business with at least 51% owned by one or more women.

Is this business Minority Owned? ○ **Yes** ○ **No**

- A business is minority owned if it is at least 51% or more owned by an ethnic minority. An ethnic minority is an individual of African-American, Hispanic American, Native American, Asian American, Pacific Islander, Asian Indian American origin or heritage.

Is the aggregate cost of your business personal property $100,000 or more? ○ **Yes** ○ **No**

- Each year the Los Angeles County Assessor is responsible for the assessment of business personal property for property tax purposes. Examples of business personal property are machinery, equipment, furniture, computers, tools and supplies, etc. Business inventory is exempt and not subject to property tax. A business property statement, Form 571-L, is required to be filed if the aggregate cost of your taxable personal property is $100,000 or more on January 1 of each year, or if the Assessor requests you to file a statement. To learn more about Los Angeles County business personal property tax, visit the Assessor's website (https://assessor.lacounty.gov/)

CITY OF LOS ANGELES
OFFICE OF FINANCE
P.O. BOX 53200
LOS ANGELES, CA 90053-0200

los angeles office of finance

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
LOS ANGELES, CA
PERMIT NO. 12932

Account No: 0002921760-0001-6
Location: 4938 E LA PALMA AVE 92807

PAID
JAN 28 2022
By: DB PWACH

RETURN SERVICE REQUESTED
36915 **********AUTO**ALL FOR AADC 928 50
INTEGRATED DEMOLITION AND REMEDIATION INC.
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

2022 City of Los Angeles Business Tax Renewal

Thank you for filing your 2021 Business Tax Renewal online! We encourage you to continue using our **E-Filing System for your 2022 renewal**. Please note that this postcard is your only official reminder concerning your 2022 renewal requirement for the account shown on the front of this card.

Visit finance.lacity.org/renewal, enter a few details and the system automatically calculates your business tax liability, if any. To access E-Filing, you can use either your **account number, your Social Security Number, or your Federal Employer Identification Number**. If a tax liability is due you can pay online via e-check, credit card (a service fee will apply), or by ACH (required if your tax liability is $50,000 or more).

Business tax renewals are due on January 1, 2022 and delinquent if submitted after **February 28, 2022**. **Even if no tax is due, you must submit a completed renewal.** For more information, please visit our website at finance.lacity.org or contact us at (844) 663-4411.

California Assembly Bill 1379 – As required by State Law, a $4.00 fee must be paid for each year that you report a tax liability to the City. The $4.00 fee will **not** apply to any year in which you are exempt from a tax liability. For more information visit: finance.lacity.org/AB1379

As many business owners have been affected as a result of the COVID-19 pandemic, the City of Los Angeles along with other entities have enacted programs that may assist businesses during this time. Please visit our website at https://finance.lacity.org/blog/covid-19-business-resources for a list of organizations and websites that provide information regarding assistance. For updates from the Mayor's office please visit corona-virus.la.

PLEASE DO NOT REPORT TO OUR PUBLIC COUNTERS

CONTRACTORS STATE LICENSE BOARD

Contractor's License Detail for License # 1003504

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click here for a definition of disclosable actions.
- Only construction related civil judgments reported to CSLB are disclosed (B&P 7071.17).
- Arbitrations are not listed unless the contractor fails to comply with the terms.
- Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 5/27/2022 2:12:27 PM

Business Information

INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
4938 E LA PALMA AVENUE
ANAHEIM, CA 92807
Business Phone Number:(714) 340-3333

Entity Corporation
Issue Date 05/11/2015
Expire Date **05/31/2023**

License Status

This license is current and active.

All information below should be reviewed.

Classifications

- B - GENERAL BUILDING
- C21 - BUILDING MOVING, DEMOLITION
- C22 - ASBESTOS ABATEMENT (Check DOSH Asbestos Registration)
- A - GENERAL ENGINEERING

Certifications

- HAZ - HAZARDOUS SUBSTANCES REMOVAL

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with AMERICAN CONTRACTORS INDEMNITY COMPANY.
Bond Number: 100275146
Bond Amount: $15,000
Effective Date: 01/01/2016
Contractor's Bond History

Bond of Qualifying Individual

- This license filed Bond of Qualifying Individual number **100345334** for JOSE RAMON SANCHEZ in the amount of **$12,500** with AMERICAN CONTRACTORS INDEMNITY COMPANY.
  Effective Date: 04/17/2017
- The qualifying individual SHRENIK VORA certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.
  Effective Date: 07/27/2016
  BQI's Bond History

Workers' Compensation

This license has workers compensation insurance with the STARR INDEMNITY & LIABILITY COMPANY

Policy Number:100000463801
Effective Date: 05/21/2022
Expire Date: 05/21/2023
Workers' Compensation History

Miscellaneous Information

- 04/13/2016 - DOSH REGISTRATION VERIFIED FOR C22
- 04/14/2016 - C22 NOT VALID 04/04/16 TO 04/13/16
- 04/21/2017 - DOSH REGISTRATION VERIFIED FOR C22

Other

- Personnel listed on this license (current or disassociated) are listed on other licenses.

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/21/2023 | 5/20/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Insurance Brokers,LLC CA License #0F15767 777 S. Figueroa Street, 52nd fl. Los Angeles CA 90017 213-689-0065	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
INSURED 1479555 Integrated Demolition & Remediation, Inc. 4938 E La Palma Ave Anaheim CA 92807	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** Starr Surplus Lines Insurance Company — 13604 **INSURER B :** Travelers Property Casualty Co of America — 25674 **INSURER C :** Allied World National Assurance Company — 10690 **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES INTDE01 **CERTIFICATE NUMBER:** 18556945 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [X] OCCUR X Ded: $10,000 GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER:	N	N	1000067641221	5/21/2022	5/21/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 3,000,000 $ 100,000 $ 25,000 $ 1,000,000 $ 6,000,000 $ 3,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY	N	N	1000638121221	5/21/2022	5/21/2023	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
A	[ ] **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE DED [ ] RETENTION $	N	N	1000337817221	5/21/2022	5/21/2023	EACH OCCURRENCE AGGREGATE 	$ 10,000,000 $ 10,000,000 $ XXXXXXX
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	N	100 0004638 01	5/21/2022	5/21/2023	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C B A A	2nd XS Liab. L/R Equip. Prof. Liab. Poll. Liab.	N	N	0311-8604 QT-630-1S70782A-TIL-22 1000067641211 1000067641221	5/21/2022 5/21/2022 5/21/2022 5/21/2022	5/21/2023 5/21/2023 5/21/2023 5/21/2023	$10M occ./$10M agg. Limit: $1M $1M each claim/$2M agg. $1M occ./$2M agg.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

18556945
Evidence of Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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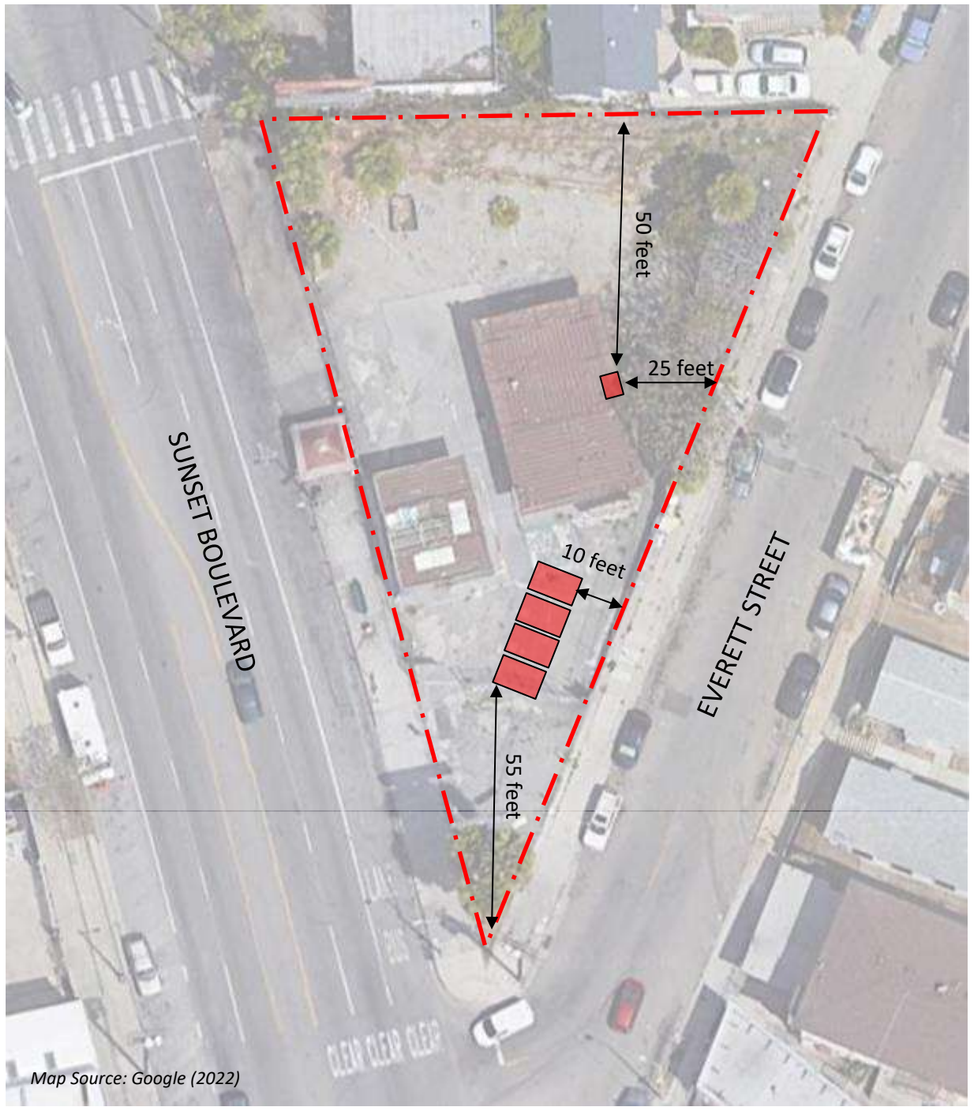
Site Plan and Vicinity Map



Map Source: Google (2022)

Site Boundary

UST

0 20 40 60 80

Feet

N

Scope of Work: Abandon by removal five (5) underground storage tanks (UST). A Site Plan and Vicinity Map is provided at left. A detailed Scope of Work for the abandonment by removal is outlined below:

1. Four 500-gallon capacity fuel USTs and one 150-gallon capacity waste oil UST from historical gasoline station operations are buried at the site. Access to the fuel USTs is via a surface access port that is presently sealed with asphalt. An access port for the waste oil UST is not observable due to the presence of trash and debris. Citadel believes the USTs to be buried approximately two to our feet underground and are of single-walled steel construction. The fuel USTs are assumed to be of approximately 6 feet in length and 48 inches in diameter. The waste oil UST is assumed to be approximately 4 feet in length and 30 inches in diameter. The contents of each UST is unknown.
2. Prior to beginning work, a Health and Safety Plan (HASP) will be prepared and implemented.
3. All tank identifications shall remain on the tank. Do not remove the Underwriter's Laboratory tag or any other identification from the tank. The Division 5 Permit number and "LAFD" will be painted on the side of the UST.
4. A combustible gas indicator (properly calibrated) will be on the job site during the entire operation.
5. During soil disturbance and removal processes, Citadel will monitor air emissions at 15-minute intervals using a direct reading portable photo-ionizing detector (PID), or equivalent, and record the measurements.
6. Prior to excavation, place a minimum of 20 pounds of dry ice per 1,000 gallons capacity into each tank at least TWO HOURS PRIOR to any further work being performed. All excavated soil (from the unearthing of the UST) must be retained on site and covered until determination of contamination and disposal has been made. Soil may be removed only with approval from the LAFD Inspector.
7. No cutting torch, open flame, or spark-producing equipment shall be used on the tank or piping. Electric lines, piping, and other tank apparatus shall be isolated or disconnected. All piping shall be left intact until the tank is exposed and ready to be removed.
8. Check the tank for an explosive atmosphere utilizing a combustible gas indicator. Air purging of the tank shall be initiated whenever the atmosphere inside the tank is above 20 percent of the lower explosive limit (LEL).
9. If the tank is not empty, remove residual product with a vacuum truck using a high-pressure water rinse with a minimum 2,000 psi, and detergent (if necessary). All interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste disposal site or licensed TSDF by a licensed hazardous waste transporter and a copy of the manifest will be supplied to the LAFD inspector.
10. A certified Industrial Hygienist or Marine Chemist will certify that the tank is clean and supply a copy of the certification to the LAFD Inspector.
11. Lift the tank from the excavation and inspect for signs of leakage then secure it on an appropriate transport vehicle with its openings at the top. The UST shall be removed intact and not punctured or crushed on-site. The licensed transporter shall transport the tank to a licensed recycler or waste disposal site, subject to all applicable government regulations.
12. The LAFD Inspector witnessing the abandonment shall be given a copy of the transport manifest, and shall be given the address as to where the tank will be transported.
13. Soil samples shall be obtained from beneath the tank, piping, and spoils pile at the direction of the LAFD Inspector. Soil sampling shall be performed by a Professional Geologist, or a trained technician deemed qualified to take soil samples if they have a letter in their possession certifying their training and experience in taking soil samples and are under the supervision of the Professional Geologist.
14. Soil samples will be analyzed for the full range of total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015M, benzene, toluene, ethylbenzene, and xylene (BTEX), oxygenates and naphthalene by EPA Method 8260B. Additional analyses may be required per the LAFD inspector.

Facility Owner:
Aragon (Sunset/Everett) Properties Corporation

EPA ID #:
CAC003174277

Prepared by:
Citadel Professional Geologist Scott Grasse, California PG #9878;
sgrasse@citadelehs.com

APPROVED SR0034881
By Jerry Kao at 2:19 pm, May 27, 2022

Permit Approval

SUBJECT TO FIELD INSPECTION
Approval of these plans and/or specifications does not exempt them from compliance with all pertinent sections of Municipal, State, or Federal code, law, or regulation

APPROVED
Jerry Kao
LOS ANGELES FIRE DEPARTMENT CUPA
UNDERGROUND STORAGE TANK PLAN CHECK

LOS ANGELES CITY FIRE DEPARTMENT FOUNDED 1886

APPROVAL / ACCEPTANCE
The following systems have been inspected and approved/accepted by the LAFD CUPA

	INSPECTOR SIGNATURE	PRINT NAME	DATE
Primary Containment System			
Secondary Containment System			
Monitoring System			
Other	Barry Belknap		Barry Belknap 7/14/2022

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 2 – Cover Page

PROJECT NO.: 0942.1020.0
DATE: MAY 12, 2022

Division 5 Permit Application

UST SOIL REPORT REQUIREMENTS

A complete soil report is due 30 days from the date of soil sampling

EMAIL COMPLETED SOIL REPORT TO:
lafd.usttestnotify@lacity.org

INSPECTOR	PERMIT #	FACILITY ID	DATE

FACILITY ADDRESS	COMMENTS

T□e soil report s□o□ld □ollo□ t□e Los An□eles Fire Depart□ent□s General Report s□□□ittal □□idelines. To assist yo□□t□e □□idelines are availa□le at **http://www.lafd.org/sites/default/files/pdf_files/fpb41_tank_aband.pdf.**

The following documentation shall be included as part of your report:

- A copy o□t□e Los An□eles Fire Depart□ent Division 5-Per□it
- Marine C□e□ist Certi□icate
- Copy o□t□e Ha□ardo□s Waste Mani□est □or Disposal o□Tank□s Rinsate
- Certi□icate o□Tank Disposal/Destr□ction and associated pipin□
- Soil □ani□est □or soil re□oved □ro□ t□e site
- Scaled plot plan□clearly ill□stratin□ t□e location and dept□ o□all t□e sa□ples collected
- All analytical res□lts s□o□ld □e presented in □illi□ra□ per kilo□ra□ □□ □/k□□
- All na□es in t□e c□ain o□c□stody □ □st □e le□i□le
- A copy o□t□is pa□e
- ***If soil analysis results exceed the LAFD Minimum Action Levels, include an Unauthorized Release Report (URR) with your soil report***

ANALYTICAL REQUIREMENTS				
Group A Gasoline	**Group-B** Diesel	Analytical Method	Required MDL's (ug/kg)	LAFD Minimum Action Levels mg/kg
Analyte	Analyte			
TPH□		Cal-LUFT GC/FID or GC/MS □8015 M□	100-200	100
	TPHd	Cal-LUFT GC/FID □8015 M□	1000	100
BTE□	BTE□	EPA Met□od 8260B □8021B□	1	Ben□ene □1□TE□-50
MTBE	MTBE	EPA Met□od 8260B	2	□MDL□s
DIPE	DIPE	EPA Met□od 8260B	2	1
ETBE	ETBE	EPA Met□od 8260B	2	1
TAME	TAME	EPA Met□od 8260B	2	1
TBA	TBA	EPA Met□od 8260B	20	20
Ethanol		Cal-LUFT GC/FID (EPA 8260B)	500	100
Group-C	Waste Oil Tank (or UNKNOWN Tank): Test □or TPH□car□on c□ain □sin□ Cal-L□□t GC/FID or GC/MS□BTE□□ O□y□enates□and VOCs□□sin□ EPA Met□od 8260B			

*In every □ro□p incl□de Nap□t□alene as part o□t□e test.
*I□tanks □istorically or c□rrently contain Met□anol or Et□anol□test □or t□ose co□po□nds.
*Soil sa□ples s□all □e prepared □sin□ EPA Met□od 5035 □or all VOC□s and TPH□.
*Soil gas can be used as an alternative sampling method

LOCATION	GROUP	SAMPLES	LOCATION	GROUP	SAMPLES
Tank 1			Dispenser □TPH□□		
Tank 2			Dispenser □TPHd□		
Tank 3			Pipin□		
Tank 4			Water sa□ples		
Tank 5			Stockpiles		
Tank 6			Ot□er		

Select one or more from groups A through C

UST SOIL REPORT REQUIREMENTS

1.0 Cover Letter/Introduction/Table of Contents

2.0 Site Identification
- 2.1 Current owner/s
- 2.2 Current business activities
- 2.3 Spill, leak, and accident history
- 2.4 Number, capacity, and contents of tanks and other components

3.0 Background and Summary
- 3.1 Site description
- 3.2 Previous investigation
- 3.3 Wet ink signature
- 3.4 Geologist Seal with I.D number and expire date (stamp)
- 3.5 Name and address of individual that produced the report

NOTE: All reports must include the wet-ink signature and seal of one of the following licensed professionals: Professional Civil Engineer (PE), Professional Geologist (PG), Certified Engineering Geologist (CEG), Certified Hydrogeologist (CHG), Professional Petroleum Engineer (PPE)

4.0 Geology and Hydrology
- 4.1 Geology
- 4.2 Hydrology

5.0 Tank Removal Activities, Procedures, On-site Inspection
- 5.1 Tank Removal/or abandonment in place activities
- 5.2 Clarifier Removal/associated with a UST **only**
- 5.3 Dispenser Replacement/Upgrade activities
- 5.4 Piping Replacement/Upgrade activities
- 5.5 Laboratory Analyses and Chain-of –Custody
- 5.6 Condition of tanks and pit upon removal
- 5.7 Date of removal activities & sampling protocols
- 5.8 Name & address of Removal Company

6.0 Soil Disposal Operations/Contaminated soil

7.0 AQMD Rule 1166 Air Monitoring

8.0 Recommendations/Conclusion

9.0 List of Figures/Maps
- 9.1 Site Location Map with cross streets
- 9.2 Site Plan (soil sample locations)

10.0 List of Tables
- 10.1 Soil analytical Laboratory Results per LAFD guidelines
- 10.2 Indicate which analytical method and detection limit used
- 10.3 Report all “non-detect” (ND) with < numerical MDL value (not just the ND without the detection limit value)

11.0 List of Appendices
- 11.1 Copy of the LAFD Div-5 Permit
- 11.2 UST Certification for Removal
- 11.3 Tank Rinsate Disposal Manifest
- 11.4 Analytical Results with chain of custody
- 11.5 Soil Disposal Manifest
- 11.6 AQMD Rule 1166 Field Monitoring Data Sheets
- 11.7 Tank disposal manifest/with facility address
- 11.8 UST Soil Report Requirements

ATTACH TECHNICIAN BUSINESS CARD HERE

LOS ANGELES FIRE DEPARTMENT
CUPA SECTION

LAFD SOIL REPORT TRACKING – LOG SHEET

INSPECTOR
Barry Belknap

PERMIT #

FACILITY ID

DATE

BUSINESS NAME / DBA
Unknown

FACILITY ADDRESS

COMMENTS

TECHNICIAN INFORMATION

NAME
Scott Grasse

COMPANY
Citadel EHS

ADDRESS
2525 Cherry Ave. STE 105

CITY
Long Beach

STATE
CA

ZIP
90755

DATE SOIL SAMPLES TAKEN
7/14/2022

DATE REPORT DUE (+30 DAYS)
8/15/2022

PHONE
818-246-2707

CREDENTIALS
(CHOOSE ONE)

- ☐ **PROFESSIONAL GEOLOGIST**
- ☐ **CIVIL ENGINEER**
- ☐ **ENGINEERING GEOLOGIST**
- ☐ **QUALIFIED TECHNICIAN** *****LETTER REQUIRED*****

Scott Grasse

SIGNATURE

Revised 02/14/19

LOS ANGELES FIRE DEPARTMENT
CUPA SECTION

TANK ABANDONMENT WORKSHEET

INSPECTOR	PERMIT #	FACILITY ID	DATE
(use drop-down or type in box)	SR0034881	FA0028838	7/14/2022

FACILITY & CONTRACTOR INFORMATION

BUSINESS NAME / DBA: Unknown

SITE ADDRESS: 1185 Sunset Boulevard

CONTRACTOR: Integrated Demolition Remediation

CONTRACTOR PHONE: 714-920-6491

TANK INFORMATION

FACILITY / TANK ID	TANK SIZE	METAL / FIBERGLASS	PRODUCT
0714/02	12000	METAL	gasoline
0714/03	12000	METAL	gasoline
0714/04	12000	METAL	gasoline
0714/05	12000	METAL	oil
0714/06	350	METAL	oil
		N / A	

TANK CONDITION: Intact with no damage or rust

TANK DESTINATION: Advanced Steel 14451 Whittram Ave. Fontana CA, 92335

	Y	N		
ALL TANKS ABANDONED	☐	☐	**# of TANKS REMAINING**	0
TANK INSTALLATION	☐	☐	**# of TANKS INSTALLED**	0

ABANDONMENT METHOD — CERTIFIED CLEAN

REMOVAL	FILL IN PLACE	CERTIFIED CLEAN Y	CERTIFIED CLEAN N
☐	☐	☐	☐

FINAL LEL (<5% LEL OR 700ppm AQMD): 0

SOIL SAMPLES

LOCATION	# of SAMPLES	SOIL COLOR
TANK PIT	10	Brown with some grey
PILES	3	light brown
PIPING TRENCH		
DISPENSER PIT		

EXCAVATION DESCRIPTION

ODOR Y	ODOR N	LIQUID PRESENT Y	LIQUID PRESENT N
☐	☐	☐	☐

(If liquid present, collect water sample)

COMMENTS

VOCs were registered when excavating one of the 12,000 gal tanks. All piping that was attached to the tanks were removed prior to arrival. Under tank 03 there was grey color soil and a strong smell of fuel. Also meter reading was high for VOC.

BOARD OF FIRE COMMISSIONERS

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CALIFORNIA

ERIC GARCETTI
MAYOR

FIRE DEPARTMENT

KRISTIN M. CROWLEY
FIRE CHIEF

200 NORTH MAIN STREET
ROOM 1800
LOS ANGELES, CA 90012

(213) 978-3800
FAX: (213) 978-3815

HTTP://WWW.LAFD.ORG

Nove□ □er 29□2022

R□ssel Beil□□ss
Ara□on □S□nset/Everett□Properties□Corp.
590 Rosecrans Aven□e SU D-303
Man□attan Beac□□CA 90266

Facility:28838
RE:Per□it□:34881

Ara□on □S□nset/Everett□Properties Corporation
1185 S□nset Bo□levard
Los An□eles□Cali□ornia

Dear Mr. Beil□□ss:

T□e Los An□eles Fire Depart□ent □LAFD□□as revie□ed t□e □Soils Report□□dated Septe□ □er 28□2022 as s□□□itted □y Citadel EHS. In accordance □it□ t□e Cali□ornia Healt□ and Sa□ety Code□C□apter 6.7□ Section 25298□c□□t□e Cali□ornia Code o□Re□□lations Title 23□C□apter 16□Section 2672 and t□e in□or□ation provided□t□is Depart□ent □as deter□ined t□at no □rt□er action is re□□ired at t□e site □or t□e re□oval o□ive □nder□ro□nd stora□e tanks □nder per□it No. 34881.

Please note□t□is correspondence does not e□e□pt yo□ o□any lia□ility □nder t□e Cali□ornia Healt□ and Sa□ety Code or Water Code □or past□present or □t□re operations at t□is site. Additionally□yo□ □aintain responsi□ility to correct additional or previo□sly □nidenti□ied conditions at t□e site□□□ic□ ca□se□or □ay t□erea□ter ca□se□poll□tion or n□isance□or ot□er□ise pose a t□reat to □ater □□ality or p□□lic □ealt□.

I□yo□ re□□ire additional in□or□ation re□ardin□ t□is □atter□please contact Eloy L□na o□t□e Under□ro□nd Stora□e Tanks □Plan C□eck Unit□at □213□238-3484.

Very tr□ly yo□rs□

KRISTIN M. CROWLEY
Fire C□ie□

Royce Lon□□CUPA Mana□er
Environ□ental Unit

RL: EL: 1185 S□nset Bo□levard□34881-sr-n□a
cc: Scott Grasse□Citadel EHS

CITADEL EHS
assess • resolve • strengthen

September 28, 2022

Los Angeles Fire Department
Underground Storage Tank – Enforcement Unit
200 North Main Street, Suite 1700
Los Angeles, California 90012

Re: CITADEL Project No. 0942.1185
Aragon (Sunset/Everett) Properties Corp
Soils Report
Permit No. SR0034881
1185 Sunset Boulevard
Los Angeles, California 90026

To whom it may concern:

Citadel EHS (Citadel) is pleased to provide the Los Angeles Fire Department with this Soils Report for the above-referenced location. The Soils Report was prepared in accordance with Los Angeles Fire Department, Underground Storage Tank – Enforcement Unit, soils report requirements.

If, after your review, you have any questions or require additional information, please do not hesitate to telephone me at the Citadel Office at (818) 246-2707.

Sincerely,

CITADEL EHS

Scott Grasse, PG, MSc
Project Geologist, Engineering and Environmental Sciences

Enclosure

CITADEL EHS
assess • resolve • strengthen

Los Angeles Fire Department
Underground Storage Tank – Enforcement Unit
200 North Main Street, Suite 1700
Los Angeles, California 90012

Soils Report

September 28, 2022

Citadel Project Number 0942.1020.0

Aragon (Sunset/Everett) Properties Corp
1185 Sunset Boulevard
Los Angeles, California 90026

www.CitadelEHS.com

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1.0 INTRODUCTION

Citadel EHS (Citadel) is pleased to provide this Soils Report for the removal of five single-wall steel underground storage tanks (USTs) located at 1185 Sunset Boulevard, in the City of Los Angeles, California (Site). Refer to Figure 1 for a Site Location Map.

On May 27, 2022, the Los Angeles City Fire Department (LAFD) approved the Division 5 permit application and issued permit number SR0034881. A copy of the LAFD Division 5 permit is included in Appendix A. A copy of the LAFD UST Soil Report Requirements is included in Appendix B.

2.0 SITE IDENTIFICATION

2.1 Current Owner

The Site is owned by Aragon (Sunset/Everett) Properties Corp (Owner) and is currently being redeveloped with a multi-level apartment building. The Assessor's Parcel Number (APN) associated with the Site is 5406-016-028.

2.2 Current Business Activities

The Site is a graded lot. Demolition of historical buildings occurred in June 2022. The Site will be redeveloped with a multi-level apartment building.

2.2 Spill, Leak, and Accident History

The Site is not listed on the LAFD active, inactive, or historical UST lists, and no historical spills have been reported.

2.3 Number, Capacity, and Contents of Tanks and Other Components

The Site had five USTs described as follows[1]. Refer to Figure 2 for a Site Map showing the locations of the USTs.

- UST-2: 6,000 gallon capacity single-wall steel UST that contained approximately 100 gallons of gasoline.
- UST-3: 6,000 gallon capacity single-wall steel UST that contained approximately 100 gallons of gasoline.
- UST-4: 2,000 gallon capacity single-wall steel UST that contained approximately 100 gallons of gasoline.
- UST-5: 2,000 gallon capacity single-wall steel UST that was empty of contents.
- UST-6: 150 gallon capacity single-wall steel UST that contained approximately 2 gallons of waste oil.

[1] Numbering sequence was chosen to begin with "2"; the five USTs are therefore numbered UST-2 through UST-6.

3.0 BACKGROUND AND SUMMARY

3.1 Site Description

A review of a Phase I Environmental Site Assessment (Phase I) prepared by AEI Consultants (AEI) on February 26, 2013 showed the following:

- From at least 1906, the Site consisted of single-family residences. From at least 1927 to at least 1961, the Site was developed with a gas station and auto repair facility. Gas station operations were conducted until at least 1970 and were subsequently phased out. At the time of AEI's Phase I, the Site was operated as an auto repair facility and car wash.
- During AEI's site reconnaissance, AEI observed patched areas of asphalt on the southern portion of the Site. The patched areas appeared to be the locations of USTs associated with the historical gas station. According to the property owner at the time, four USTs were located at the Site.
- AEI observed two clarifiers at the Site. One clarifier was located in the auto repair garage and the other clarifier was located in the car washing area. Based on the presumed use of a the clarifier for auto repair operations and the on-site historical use of hazardous materials, AEI identified the clarifier located in the garage as a recognized environmental condition (REC).

3.2 Previous Investigations

As part of the Phase I, AEI reviewed a portion of a Phase I and Limited Subsurface Investigation (Phase II) for the Site, prepared by Petra Geotechnical, Inc. (Petra) in 2005. According to AEI's review, a subsurface geophysical survey conducted at the Site delineated the location of four USTs and one waste oil UST in the rear of the car wash. Petra conducted soil sampling in the vicinities of the USTs. The results of the soil sample analyses were that trace amounts of total petroleum hydrocarbons (TPH) were encountered in one sample collected at 22 feet below ground surface (bgs) from the vicinity of the waste oil UST. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or volatile organic compounds (VOCs) related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them, and soil vapor testing was not conducted. AEI identified the presence of the USTs as a REC.

Citadel reviewed a Phase II Subsurface Investigation (Phase II) Report prepared on March 22, 2013, by AEI. AEI advanced eight borings across the Site to depths between 16 and 20 feet bgs and collected soil and groundwater samples. The samples were analyzed for VOCs and TPH. No VOCs or TPH were detected in the samples.

4.0 GEOLOGY AND HYDROLOGY

4.1 Geology

The Site is at an elevation of approximately 404 feet above mean sea level (AMSL). The Site is identified on the geologic map of the Hollywood and south half Burbank quadrangles (Dibblee and Ehrenspeck, 1991) as being Miocene age bedrock consisting of gray to light brown thin-bedded silty clay shale, that is soft and crumbly, locally contains scattered hard calcareous nodules, and in places contains laminae of fine grained soft sandstone.

4.2 Hydrology

The Site is underlain by bedrock and not located within a groundwater basin. According to AEI's review of Petra's Phase II, soil borings were advanced across the Site to 30 feet bgs and groundwater was not encountered. According to the State Water Resources Control Board (SWRCB) Geotracker online database, groundwater was encountered in 2011 at approximately 12 to 20 feet bgs and flowing to the southwest at the G.H. Palmer and Associates leaking UST (LUST) cleanup site, located at 867 Cesar Chavez Avenue, approximately 0.42 mile southeast of the Site. Groundwater was not encountered during this investigation.

5.0 TANK REMOVAL ACTIVITIES, PROCEDURES, ON-SITE INSPECTION

5.1 Tank and Clarifier Contents Sampling

On June 27, 2022, Citadel visited the Site to collect samples of the contents from the USTs and clarifiers. A sample could not be collected from UST No. 5 due to inaccessible ports. Access to the clarifier in the auto repair garage was not accessible due to the presence of trash and other debris. Citadel observed an uncovered concrete drainage sump with dimensions of approximately two feet wide and long, and one foot deep, and containing a dark sludgy material. Samples were collected from UST Nos. 2, 3, 4 and 6, the clarifier located in the car wash area, and the sump.

The samples were analyzed for TPH by EPA Method 8015B, VOCs including fuel oxygenates and naphthalene by EPA Method 8260B, and Title 22 Metals by EPA Method 6010B/7471. Due to the historical usage of UST No. 6 as a waste oil UST and lack of historical information regarding the use of the clarifier and sump, the samples from UST No. 6, the clarifier and sump were also analyzed for polychlorinated biphenyls (PCBs) by EPA Method 8082.

The results are presented in Tables 1 and 2. The laboratory reports are included in Appendix C. Based on the analytical results, Citadel finds the following.

- The contents of USTs No. 2 through 4 consisted of gasoline and diesel range hydrocarbons, hydrocarbon-related volatile organic compounds, and lead. The contents of UST No. 6 consisted of diesel range hydrocarbons, hydrocarbon related VOCs, and lead.
- TPH as diesel (TPHd) and TPH as oil (TPHo) were reported in the clarifier and sump samples, at concentrations above construction worker exposure screening levels in the sump sample.
- Copper and lead in the clarifier sample, and chromium, copper and lead in the sump sample were reported at concentrations that were above their respective Soluble Threshold Limit Concentration (STLC) thresholds[2]. The samples were therefore analyzed for these constituents by the STLC procedure. Results of the analyses were STLC concentrations below their respective STLC regulatory limits, and therefore are not classified as hazardous waste.

[2] California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24 (CCR T22:66261.24).

5.2 Tank Removal Activities

A site-specific health and safety plan (HASP) was prepared prior to on-site activities. This HASP identified existing and potential hazards for workers at the Site during excavation, UST removal, and sample collection activities. Refer to Appendix D for a copy of the HASP, Appendix E for Citadel's Field Notes, and Appendix F for a Photographic Log.

On July 12, 2022, Citadel, Integrated Demolition and Remediation, Inc. (IDR), located in Anaheim, California, and North State Environmental (North State), located in Rialto, California, mobilized to the Site to begin the process of exposing and cleaning the USTs. Approximately 285 cubic yards (cy) of soil was removed and stockpiled adjacent to the USTs. Citadel performed air monitoring during all excavation activities using a photoionization detector (PID) calibrated to hexane gas, in accordance with SCAQMD Rule 1166 requirements. During excavation activities, VOCs were detected from some of the excavated spoils, at concentrations between 4 and 162 ppmv. Upon measuring VOCs of 50 ppmv or greater, the soil was segregated into a separate stockpile. Refer to Appendix G for Rule 1166 air monitoring log records.

The top of each UST was located at approximately four feet bgs. Following exposure of the top of the UST, North State remove residual fluids from the USTs and cleaned the USTs. During the UST cleaning process, 1,575 gallons of residual fluids and rinsate were produced. North State placed the fluids into 50-gallon totes and 55-gallon steel drums. The totes and drums were removed from the Site on July 12, 2022, by North State, and transported to US Ecology Inc. (US Ecology) in Beatty, Nevada. The fluids disposal manifest is included in Appendix H.

On July 14, 2022, Citadel and IDR mobilized to the site to begin the process of removing the USTs. The USTs were certified clean by Ms. Nancy G. Carraway, a Certified Industrial Hygienist (CIH), prior to removal. Ms. Carraway labeled each UST with white paint. The USTs were then placed on a flatbed truck by IDR for transportation to Advanced Steel Recovery, in Fontana, California for recycling. A copy of the Hazardous Waste Tank Closure Certification Report processed by Ms. Carraway is included as Appendix I. The UST Certificate of Destruction is included as Appendix J.

The soil directly beneath the west end of UST No. 3 was stained and emitted a strong gasoline odor. VOC concentrations when measured with the PID exceeded the instrument upper limit of 10,000 ppm_v. No other evidence of contamination of the USTs was observed. The integrity of the USTs did not appear compromised after being pulled out of the excavation area.

5.3 Soil Sampling

On July 14, 2022, and at the direction of LAFD Inspector Belknap, soil samples were collected from approximately two feet beneath the east and west ends of each UST. Samples are identified by the sample date, UST number, and cardinal direction relative to the tank ends. For example, 0714-5-EAST was collected from beneath the east end of UST No. 5 on July 14, 2022. Inspector Belknap directed the collection of stockpile samples from the north and south ends of the excavated soil stockpile, identified as samples SP-UST-North and SP-UST-South, and from the segregated VOC-impacted soil, identified as SP-1166. Soil samples were collected by State Professional Geologist Mr. Scott Grasse under EPA 5035 protocol using the TerraCore sampling system.

5.4 Excavation and Removal of Impacted Soil

On August 11, 2022, Citadel and IDR mobilized to the Site to excavate and remove the gasoline-impacted soil beneath the west end of UST No. 3. Under the direction of Inspector Belknap, the impacted soil was removed, and a soil sample collected at the base of the excavated area,

identified as UST-SOIL-081122. A total of 21.36 tons (approximately 14 cy) of gasoline-impacted soil was segregated and removed from the Site to Waste Management Simi Valley under waste tracking number 2022-336. A total of 25.84 tons (approximately 17 cy) of stockpiled VOC-impacted soil was segregated and removed from the Site to Waste Management Simi Valley under waste tracking number 2022-337. Refer to Appendix K for the Hauling Manifests.

5.5 Clarifier and Sump Removal

On August 11, 2022, following removal of the gasoline-impacted soil, IDR removed the clarifier located in the car wash area, and the sump. Citadel was not present during these removal activities.

5.6 Laboratory Analyses

Based on the historical usage of each UST and under the direction of Inspector Belknap, the soil samples were analyzed per LAFD analytical group requirements as follows.

- UST Nos. 2 through 4: Group A requirement to include TPH as gasoline (TPHg), benzene, toluene, ethylbenzene and xylene (BTEX), fuel oxygenates, and naphthalene.
- UST Nos. 5 and 6: Group C requirement to include TPH full carbon chain and VOCs including fuel oxygenates and naphthalene.

Soil samples collected from beneath the USTs and the stockpiles were analyzed for TPH by EPA Method 8015B and VOCs by EPA Method 8260B. To profile the stockpiled soil for potential removal, SP-UST-North, SP-UST-South and SP-1166 were also analyzed for Title 22 metals by EPA Method 6010B/7471.

Laboratory results are presented in Tables 1 and 2. Refer to Appendix C for the Laboratory Reports. Results of the analyses are the following.

- TPHg was reported in 0714-2-EAST, at a concentration of 2.4 mg/kg, below the LAFD minimum action level (MAL) of 100 mg/kg.
- TPH as diesel (TPHd) and TPH as oil (TPHo) were reported in 0714-5-WEST, at concentrations of 6.1 and 4.5, mg/kg, respectively, below the LAFD minimum action level (MAL) for TPHg of 100 mg/kg.
- TPHg was reported in 0714-3-WEST, at a concentration of 740 mg/kg, above the LAFD minimum action level (MAL) of 100 mg/kg. However, the soil represented by this sample was removed from the Site as described in Section 5.3, and is no longer present at the Site. No TPHg was reported in the confirmation sample UST-SOIL-081122 that was collected subsequent to excavation of the impacted soil.
- TPHg, TPHd and TPHo, and a total of six VOCs were reported in SP-1166, at concentrations that are below their respective residential and construction worker exposure screening levels.
- TPH and TPHo were reported in SP-UST-North and SP-UST-South, at concentrations that are below their respective residential and construction worker exposure screening levels.
- TPH and VOCs were not reported at concentrations above the laboratory method detection limit (MDL) in any of the other soil samples,
- Concentrations of reported heavy metals in soil were reported below respective residential and construction worker exposure screening levels, Total Threshold Limit Concentration (TTLC) regulatory limits, and Soluble Threshold Concentration Limit (STLC) thresholds. The exception is arsenic reported in all samples at concentrations

that are above the residential screening level of 0.11 mg/kg, but below the DTSC background arsenic level of 12 mg/kg.

5.7 Statement of Responsibility

The tasks and activities associated with this project were conducted under the supervision of Mr. Scott Grasse, PG#9878. Mr. Grasse is a Professional Geologist as defined in the Geologist and Geophysicists Act.

6.0 FINDINGS AND RECOMMENDATIONS

Based on the laboratory analytical results, Citadel finds the following:

- Five USTs, one clarifier, and one sump were removed from the Site.
- Samples from the UST contents, the sump and clarifier were collected and analyzed.
    - The contents of USTs No. 2 through 4 consisted of gasoline and diesel range hydrocarbons, hydrocarbon-related volatile organic compounds, and lead. The contents of UST No. 6 consisted of diesel range hydrocarbons, hydrocarbon related VOCs, and lead.
    - TPH as diesel (TPHd) and TPH as oil (TPHo) were reported in the clarifier and sump samples, at concentrations above construction worker exposure screening levels in the sump sample.
    - Copper and lead in the clarifier sample, and chromium, copper and lead in the sump sample were reported at concentrations that were above their respective Soluble Threshold Limit Concentration (STLC) thresholds, and below their respective STLC regulatory limits, and therefore are not classified as hazardous waste.
- Gasoline-impacted soil with reported TPHg above the LAFD MAL was excavated and removed from the Site.
    - A total of 21.36 tons (approximately 14 cy) of gasoline-impacted soil was segregated and removed from the Site.
    - A total of 25.84 tons (approximately 17 cy) of VOC-impacted soil was segregated and removed from the Site under AQMD Rule 1166 protocol.
    - Under LAFD oversight, a confirmation soil sample identified as UST-SOIL-081122 was collected following the removal of impacted soil.
- Under LAFD oversight, soil samples were collected from beneath each UST.
    - TPH was reported in soil samples collected from beneath UST Nos. 2 and 5, at concentrations that are below the LAFD MAL.
    - TPHg was reported in 0714-3-WEST, at a concentration that was above the LAFD MAL However, the soil was removed from the Site and the area was resampled. No TPHg was reported in the confirmation sample.
    - TPH and VOCs were not reported at concentrations above the MDL in any of the other soil samples,
    - Reported concentrations of heavy metals were below exposure screening levels, TTLC regulatory limits and STLC thresholds.
- Under LAFD oversight, soil samples were collected from two stockpiles of soil.
    - TPH and VOCs were reported in stockpile soil samples at concentrations that are below exposure screening levels.
    - Reported concentrations of heavy metals were below exposure screening levels, TTLC regulatory limits and STLC thresholds.

Due to the absence VOCs and TPH above LAFD MALs, Citadel recommends no further action with respect to the USTs removal. Citadel respectfully requests that LAFD grant a closure letter for the USTs.

7.0 REFERENCES

AEI Consultants, Phase I Environmental Site Assessment, 2013, 1185-1245 West Sunset Boulevard, Los Angeles, California 90026, February 26.

AEI Consultants, Phase II Subsurface Investigation, 2013, 1185-1245 West Sunset Boulevard, Los Angeles, California 90026, March 22.

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Code of Federal Regulations, Part 40, Title 261 (40CFR261), Total Threshold Limit Concentrations (TTLC), Toxicity Characteristic Leaching Procedure (TCLP).

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8.0 SIGNATURES

Report Prepared by:

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Project Geologist, Engineering and Environmental Sciences

Report Reviewed and Approved by:

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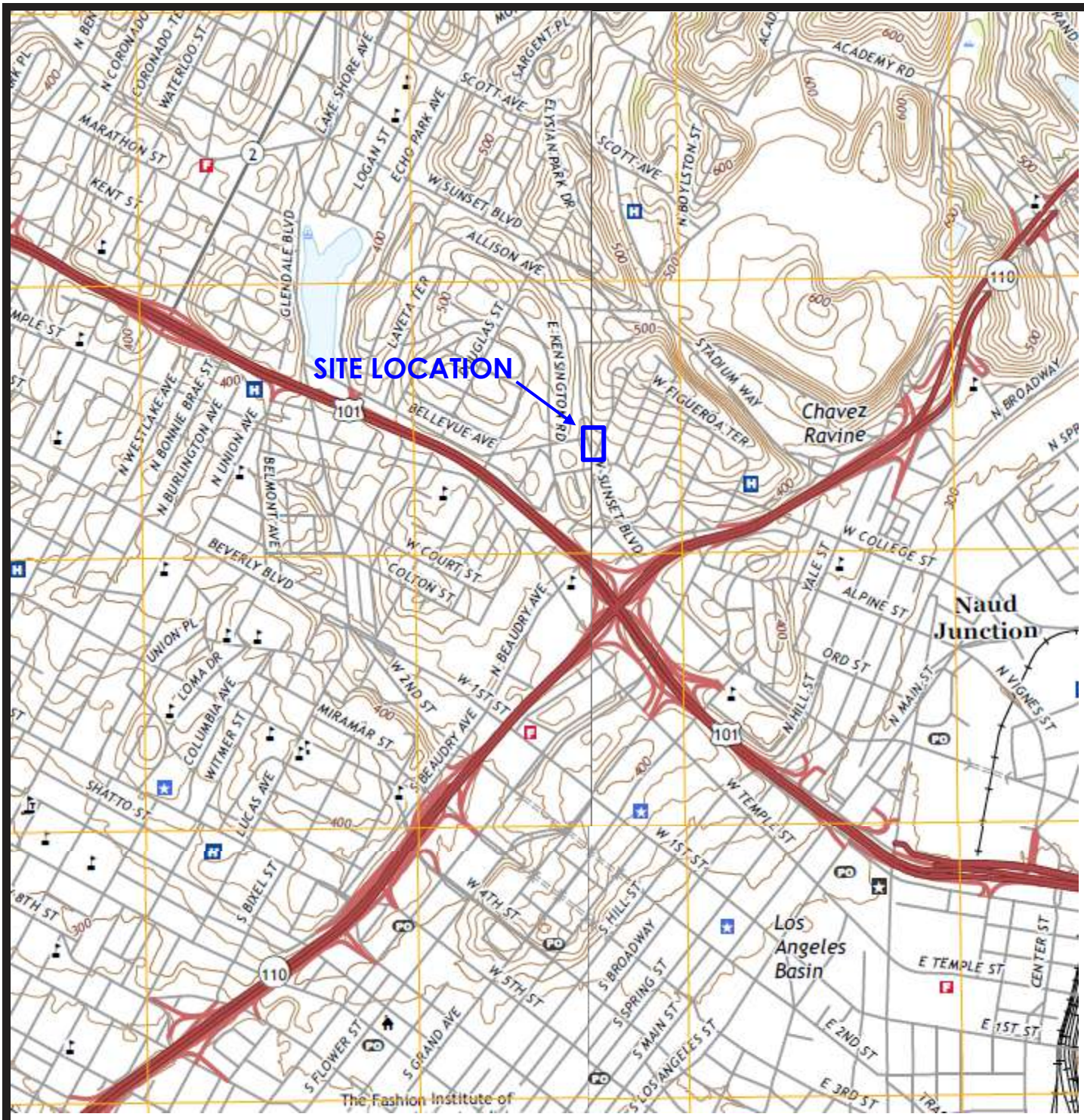
Figures



0 0.5 1

Miles

N

Source: USGS, Hollywood Quadranales, 7.5 Minute Series (2018)

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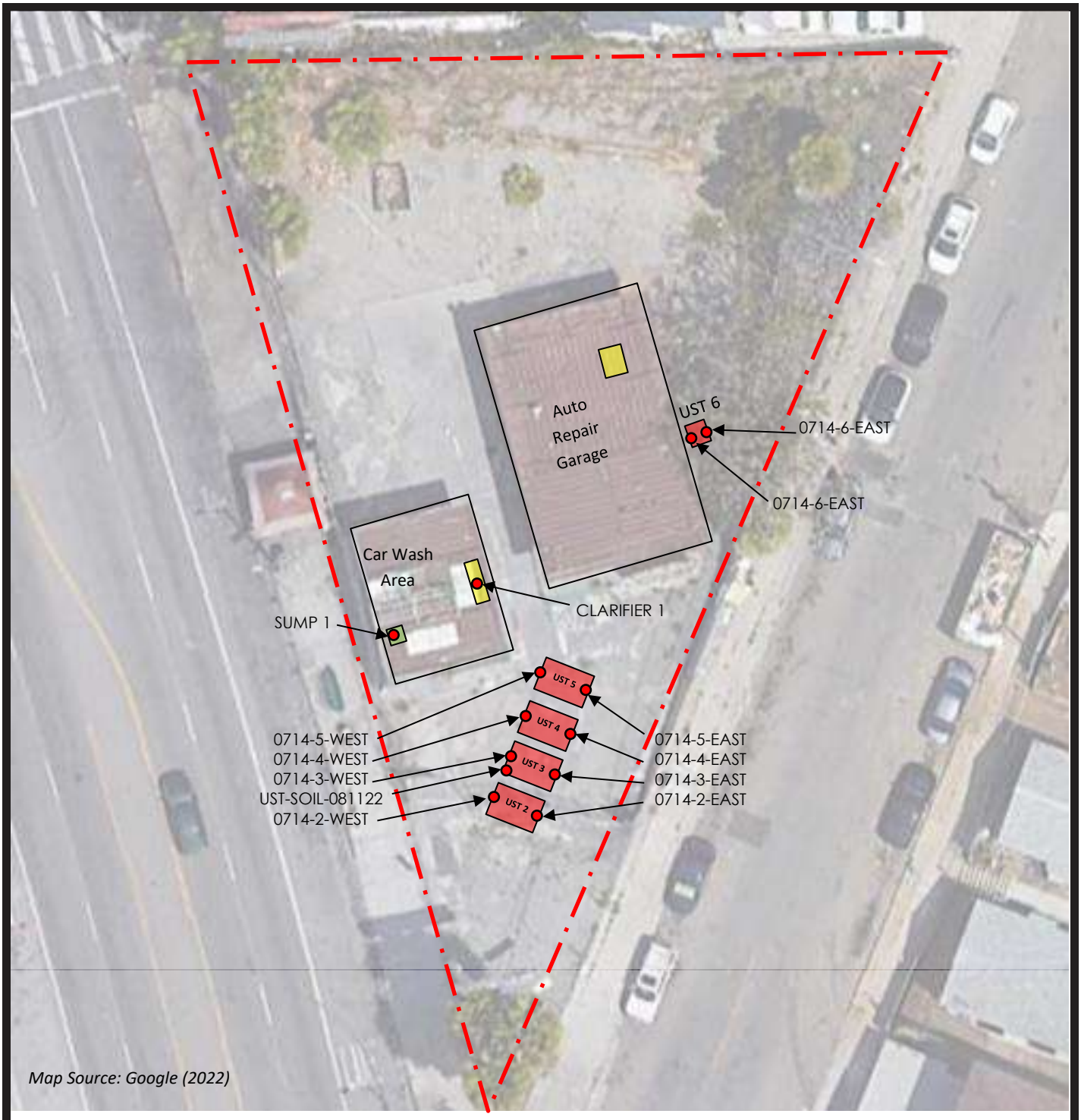
Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 1

PROJECT NO.: 0942.1020.0

DATE: SEPTEMBER, 2022

SITE LOCATION MAP



Site Boundary
UST
Clarifier
Sump
Soil Sampling Location with Sample ID

0 20 40 60 80
Feet

N

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Integrated Demolition and Remediation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 2

PROJECT NO.: 0942.1020.0
DATE: SEPTEMBER 2022

Site Map

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Tables

Table 1. Total Petroleum Hydrocarbons (TPH) and Volatile Organic Compounds (VOCs) in Soil and UST Contents
1185 Sunset Boulevard, Los Angeles, California 90026

Sample ID	Date Sampled	Media Type	Sample Source	LAFD Analytical Requirement	Total Petroleum Hydrocarbons			Volatile Organic Compounds														
					TPH-gasoline (C4-C12)	TPH-diesel (C10-C28)	TPH-oil (C29-C44)	Benzene	Ethyl-benzene	Toluene	m,p-Xylene	o-Xylene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Acetone	n-Butyl-Benzene	sec-Butyl-Benzene	Isopropyl-benzene	p-Iso-propyl-toluene	Methylene Chloride (DCM)	Napthalene	n-Propyl-benzene
					milligrams per kilogram (mg/kg)			milligrams per kilogram (mg/kg)														
UST2	6/27/2022	NAL	UST No. 4 Contents	-	**560,000**	**350,000**	3,800 **J**	1600 **J**	**9,000**	**21,000**	**36,000**	**14,000**	**25,000**	**7,700**	**11,000**	**1,000 J**	< 0.045	**890 J**	**< 890**	**< 1,800**	**3,300 J**	**3,900 J**
UST3	6/27/2022	NAL	UST No. 3 Contents	-	**34,000**	**32,000**	200 **J**	< 9.4	**670**	**820**	**3,200**	**1,300**	**3,000**	**870**	**110**	**220**	< 0.045	**85**	**29 J**	**56 J**	**580**	**350**
UST4	6/27/2022	NAL	UST No. 2 Contents	-	**710,000**	**320,000**	3,700 **J**	< 940	**8,300**	**32,000**	**74,000**	**27,000**	**44,000**	**15,000**	**11,000**	**2,200 J**	< 0.045	**1,500 J**	**< 890**	**< 1,800**	**5700**	**5400**
WOT1	6/27/2022	NAL	UST No. 6 Contents	-	<47	**470**	260 **J**	0.300 **J**	**5.8**	**6.6**	**31**	**15**	**55**	**15**	**2.7**	**2.5**	< 0.045	**1.2**	**1.4**	**< 0.46**	**27**	**4.9**
Clarifier 1	6/27/2022	soil	Clarifier 1	-	<49	**560**	**910**	< 2.4	< 2.1	2.9 **J**	< 4.3	< 2.4	< 2.8	< 2.1	< 7	< 2.5	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Sump 1	6/27/2022	soil	Sump 1	-	300 **J**	**4,800**	**4,600**	< 2.4	< 2.1	< 2.6	< 4.3	< 2.4	< 2.8	< 2.1	< 7	< 2.5	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
0714-2-EAST	7/14/2022	soil	Gasoline UST No. 2	Group A	**2.4**	-	-	< 0.042	< 0.042	< 0.042	< 0.084	< 0.042	< 0.084	< 0.084	< 0.84	< 0.042	< 0.042	< 0.042	< 0.042	< 0.42	< 0.42	< 0.084
0714-2-WEST	7/14/2022	soil	Gasoline UST No. 2	Group A	< 0.076	-	-	<0.00083	< 0.00083	< 0.00083	< 0.0017	< 0.00083	< 0.0017	< 0.0017	< 0.017	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.0083	< 0.0083	< 0.0017
0714-3-EAST	7/14/2022	soil	Gasoline UST No. 3	Group A	< 0.086	-	-	< 0.00077	< 0.00077	< 0.00077	< 0.0015	< 0.00077	< 0.0015	< 0.0015	< 0.015	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.0077	< 0.0077	< 0.0015
0714-3-WEST	7/14/2022	soil	Gasoline UST No. 3	Group A	**740**	-	-	< 1.6	< 1.6	< 1.6	< 3.1	< 1.6	**32**	**12**	< 31	**8.7**	**1.9**	< 1.6	**< 1.6**	< 16	< 16	**7**
UST-SOIL-081122	8/11/2022	soil	Gasoline UST No. 3	Repeat 0714-3-WEST	<0.500	<10.0	<50.0	< 0.00093	< 0.001	< 0.002	< 0.004	< 0.004	< 0.010	< 0.010	0.0136 **J**	< 0.010	< 0.010	<0.0042	<0.0035	<0.0031	<0.0014	<0.0014
0714-4-EAST	7/14/2022	soil	Gasoline UST No. 4	Group A	< 0.082	-	-	< 0.00087	< 0.00087	< 0.00087	< 0.0017	< 0.00087	< 0.0017	< 0.0017	< 0.017	< 0.00087	< 0.00087	< 0.00087	< 0.00086	< 0.0087	< 0.0087	< 0.0017
0714-4-WEST	7/14/2022	soil	Gasoline UST No. 4	Group A	< 0.085	-	-	<0.00083	< 0.00083	< 0.00083	< 0.0017	< 0.00083	< 0.0017	< 0.0017	< 0.017	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.0083	< 0.0083	< 0.0017
0714-5-EAST	7/14/2022	soil	Unknown UST No. 5	Group C	< 0.091	<4.9	<4.9	< 0.00090	< 0.0009	< 0.0009	< 0.0018	< 0.0009	< 0.0018	< 0.0018	< 0.018	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.009	< 0.009	< 0.0018
0714-5-WEST	7/14/2022	soil	Unknown UST No. 5	Group C	< 0.11	**6.1**	**14.5**	< 0.00089	< 0.00089	< 0.00089	< 0.0018	< 0.00089	< 0.0018	< 0.0018	< 0.018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.0089	< 0.0089	< 0.0018
0714-6-EAST	7/14/2022	soil	Waste Oil UST No. 6	Group C	< 0.094	< 4.9	<4.9	< 0.00092	< 0.00092	< 0.00092	< 0.0018	< 0.00092	< 0.0018	< 0.0018	< 0.018	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.0092	< 0.0092	< 0.0018
0714-6-WEST	7/14/2022	soil	Waste Oil UST No. 6	Group C	< 0.11	< 4.9	<4.9	< 0.00096	< 0.00096	< 0.00096	< 0.0019	< 0.00096	< 0.0019	< 0.0019	< 0.019	< 0.00096	< 0.00096	< 0.00096	< 0.00096	< 0.0096	< 0.0096	< 0.0019
SP-1166	7/14/2022	soil	Excavated Soil	Group C	**1.9**	**49**	**141**	<0.045	< 0.045	**0.05**	**0.96**	**0.35**	**0.53**	**0.32**	< 0.89	**0.051**	< 0.045	< 0.045	< 0.045	< 0.45	< 0.45	< 0.089
SP-UST-North	7/14/2022	soil	Excavated Soil	Group C	< 0.10	**22**	**47**	< 0.00099	< 0.00099	< 0.00099	< 0.002	< 0.00099	< 0.002	< 0.002	< 0.02	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.0099	< 0.0099	< 0.002
SP-UST-South	7/14/2022	soil	Excavated Soil	Group C	< 0.088	**45**	**103**	< 0.00098	< 0.00098	< 0.00098	< 0.002	< 0.00098	< 0.002	< 0.002	0.021	< 0.00098	< 0.00098	< 0.00098	< 0.00098	< 0.0098	< 0.0098	< 0.002
LAFD Minimum Action Level					100	100	--	1	50	50	50	50	--	--	--	--	--	--	--	--	--	--
ESL - Construction Worker Exposure					1,800	1,100	54,000	33	540	--	2,400	2,400	--	--	270,000	--	--	--	--	490	400	--
DTSC SL - Commercial/Industrial Subslab Cancer Endpoint					--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	26	6.5	--
DTSC SL - Commercial/Industrial Subslab non-Cancer Endpoint					500	18,000	18,000	46	--	5,300	--	--	--	--	--	18,000	12,000	--	--	2,500	570	--
DTSC SL - Residential Subslab Cancer Endpoint					--	--	--	0.33	--	--	--	--	--	--	--	--	--	--	--	2.2	2	--
DTSC SL - Residential Subslab non-Cancer Endpoint					97	2,400	2,400	11	--	1,100	--	--	--	--	--	2,400	2,200	--	--	310	13	--

[1] Regional Screening Levels (USEPA, 2020).

[1] Carcinogenic Target Risk = 1E-06

[1] Non-Cancer Child Hazard Risk Index = 1

Notes:

NAL = Non-aqueous liquid

Bold = Analyte detected above the Reporting Limit.

J = Analyte detected above the laboratory Method Detection Limit but below the Reporting Limit.

< = Analyte not detected at or above given Reporting Limit

- = Not analyzed.

-- = No regulatory criterion.

DTSC SL = Department of Toxic Substance Control Screening Levels (DTSC), Human and Ecological Risk Office (HERO), Health Risk Assessment Note Number 3, 2020

ESL = Environmental Screening Levels (SFBRWQCB, 2019).

Table 2. Title 22 Metals in Soil and UST Contents
1185 Sunset Boulevard, Los Angeles, California 90026

Sample ID	Date Sampled	Media Type	Sample Source	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybd-enum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	STLC Chromium	STLC Copper	STLC Lead
				milligrams per kilogram (mg/kg)																	milligrams per liter (mg/L)		
UST2	6/27/2022	NAL	UST No. 4 Contents	<3.1	<1.3	<0.20	<0.22	<0.15	<0.41	<0.13	<1.2	**900**	<0.047	<1.2	<0.51	<0.78	<0.31	<1.1	<0.84	2.4 J	-	-	-
UST3	6/27/2022	NAL	UST No. 3 Contents	<3.2	<1.3	0.90 J	<0.22	0.20 J	1.4 J	0.42 J	**4.7**	**6.1**	<0.043	<1.2	<0.52	<0.80	<0.32	<1.2	<0.86	**290**	-	-	-
UST4	6/27/2022	NAL	UST No. 2 Contents	<3.2	<1.3	1.1 J	<0.22	<0.15	<0.42	<0.14	<1.2	**6.1**	<0.045	<1.2	<0.52	<0.80	<0.32	<1.2	<0.86	5.3 J	-	-	-
WOT1	6/27/2022	NAL	UST No. 6 Contents	<3.2	<1.3	**16**	<0.22	0.16 J	1.2 J	<0.14	**7.1**	**220**	<0.045	<1.2	<0.52	<0.80	<0.32	<1.2	<0.86	**280**	-	-	-
Clarifier 1	6/27/2022	soil	Clarifier 1	**46**	**3.0**	**790**	<0.20	**1.2**	**36**	**5.8**	**820**	**62**	0.074 J	**19**	**75**	<0.74	0.77 J	4.1 J	**17**	**880**	-	0.13 J	< 0.070
Sump 1	6/27/2022	soil	Sump 1	**47**	**4.3**	**970**	<0.22	**1.5**	**50**	**6.5**	**1100**	**92**	0.079 J	**22**	**69**	<0.80	**2.8**	<1.3	**19**	**1100**	**0.40**	**0.47**	0.078 J
0714-3-WEST	7/14/2022	Soil	Gasoline UST No. 3	< 10.2	< 3.06	**118**	< 0.510	< 0.510	**11.6**	**7.83**	**19.6**	**5.22**	**0.0875**	**2.18**	**16.2**	< 3.06	< 1.53	< 10.2	**26.6**	**42.1**	-	-	-
0714-6-EAST	7/14/2022	Soil	Waste Oil UST No. 6	< 10.0	**4.63**	**120**	< 0.500	**1.14**	**12.0**	**15.1**	**20.2**	**3.43**	**0.138**	**2.56**	**22.3**	< 3.00	< 1.50	< 10.0	**31.9**	**61.0**	-	-	-
SP-1166	7/14/2022	Soil	Excavated Soil	< 10.0	**3.24**	**104**	< 0.500	**0.513**	**11.1**	**6.14**	**17.5**	**22.9**	< 0.0850	< 2.00	**11.2**	< 3.00	< 1.50	< 10.0	**25.3**	**85.2**	-	-	-
SP-UST-North	7/14/2022	Soil	Excavated Soil	< 10.2	**3.71**	**115**	< 0.510	**0.574**	**13.0**	**6.19**	**15.6**	**16.6**	< 0.0817	< 2.04	**14.2**	< 3.06	< 1.53	< 10.2	**27.8**	**122**	-	-	-
SP-UST-South	7/14/2022	Soil	Excavated Soil	< 10.3	**3.42**	**63.7**	< 0.513	< 0.513	**7.27**	**4.08**	**12.9**	**6.21**	< 0.0817	< 2.05	**6.62**	< 3.08	< 1.54	< 10.3	**16.6**	**65.3**	-	-	-
ESL - Construction Worker Exposure				50[2]	2.0[1,3]	3,000[2]	180[1]	110[1]	--	49[1]	14,000[2]	2,700	44[2]	1,700[2]	1,800[1]	1,700[2]	1,800[2]	3.5[2]	470[2]	110,000[2]	--	--	--
ESL - Residential Direct Exposure				0.67[2]	0.11[3,4]	15,000[2]	1,600[1]	910[1]	--	420[1]	3,100[2]	80[4]	1[2]	390[2]	15,000[1]	390[2]	390[2]	0.78[2]	390[2]	23,000[2]	--	--	--
ESL - Commercial/Industrial Soil Direct Exposure				160[2]	0.31[1,3]	220,000[2]	6,900[1]	4,000[1]	--	1,900[1]	47,000[2]	380[4]	190[2]	5,800[2]	64,000[1]	5,800[2]	5,800[2]	12[2]	5,800[2]	350,000[2]	--	--	--
TTLC Limit				500	500	10,000	75	100	2,500	8,000	2,500	1000	20	3,500	2,000	100	500	700	2400	5,000	--	--	--
Run STLC if total exceeds:				150	50	1,000	7.5	10	50	800	250	50	2	3,500	200	10	50	70	240	2,500	--	--	--
STLC limit (mg/L)				15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250	5	25	5

[1] Carcinogenic Target Risk = 1E-06; [2] Noncancer Child Hazard Index = 1; [3] Arsenic background level is 12 mg/kg (DTSC, 2008); [4] Carcinogenic Target Risk = 1E-06 (DTSC, 2020)

Notes:

NAL = Non-aqueous liquid
mg/L = milligrams per liter
Bold = Analyte detected above the Reporting Limit.
J = Analyte detected above the laboratory Method Detection Limit but below the Reporting Limit.
< = Analyte not detected at or above given Reporting Limit.
- = Not analyzed.
-- = Criterion is less stringent than other SLs or no regulatory criterion.
ESL = Environmental Screening Levels (SFBRWQCB, 2019).
TTLC = Total Threshold Limit Concentration
STLC = Soluable Threshold Concentration Limit
Exceeds STLC threshold.

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ENVIRONMENTAL SERVICES, INC.
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Appendix A
Los Angeles Fire Department Underground Storage Tank Division 5 Permit

Los Angeles Fire Department
Underground Storage Tank Project Permit

FIRE DEPT. USE ONLY

CERS ID	LAFD UNIFIED PROGRAM FACILITY ID:	PERMIT NO.:	DATE GRANTED:	WORK MUST BEGIN BY:	EXPIRATION DATE:
20505278	FA0028838	SR0034881	5/27/2022	11/27/2022	5/27/2023

ENFORCEMENT INSPECTOR	FIRE STATION #	PERMIT TYPE:
BARRY BELKNAP 2134070340	003	UST TANK ABANDON BY REMOVAL

LOCATION INFORMATION

DOING BUSINESS AS (DBA): ARAGON (SUNSET/EVERETT) PROPERTIES CORP
EPA ID NO: (not required for installation or monitoring)
ADDRESS: 1185 W SUNSET BLVD
PHONE NO: (310) 871-0727
CITY: LOS ANGELES **STATE:** CA **ZIP:** 90026

PROPERTY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

LESSEE/FACILITY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

CONTRACTOR INFORMATION

NAME: INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
PHONE NO: (714) 340-3333
ADDRESS: 4938 E LA PALMA AVE
CITY: ANAHEIM **STATE:** CA **ZIP:** 92807-

CITY BUSINESS NUMBER:	STATE CONTRACTOR #:	EXP. DATE:	WORK COMP NUMBER -	EXP. DATE:
	1003504	5/31/2021		8/27/2020

PRINT NAME: NICK VORA
EMAIL: NICK@IDRDEMO.COM
TITLE:

	ITEM	PE	QTY
	UST Installation	5100	
	UST Abandonment-In-Place	5200	
[X]	UST Abandonment by Removal	5201	6
	UST Add to/Alter: Monitor/Piping/Disp.	5300	
	UST Tank Entry / Lining / Repair	5301	
	Site Assessment	5400	
	Emergency Plan Check/Site Assessment	5401	

NOTES:
Permit No: SR0034881 Invoice No: IN0324336

Abandon by removal (5) USTs and all associated piping. LAFD Fire Inspector required to be scheduled to witness removal and gathering of soil samples.

APPROVED

Jerry Kao

INSPECTOR NAME: JERRY KAO
INSPECTOR SIGNATURE: LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
CUPA/UST PLAN CHECK

LOS ANGELES FIRE DEPARTMENT

UNDERGROUND STORAGE TANK - PROJECT PERMIT STATEMENT

FIRE PREVENTION BUREAU CUPA SECTION
200 NORTH MAIN STREET, ROOM 1780
LOS ANGELES, CA 90012
TEL: (213) 978-3700
FAX: (213) 978-3615

INVOICE

Invoice Date: 5/26/2022

Permit No/RFI: SR0034881

Invoice No: IN0324336

Owner Name: ARAGON (SUNSET/EVERETT) PROPERTIES CORP

Owner Address: 590 ROSECRANS AVE SU D-303
MANHATTAN BEACH, CA 90266

Owner Phone No: (310) 871-0727

CONTRACTOR (Company Name/Self):
INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED

ARAGON (SUNSET/EVERETT) PROPERTIES CORP
1185 W SUNSET BL
LOS ANGELES, CA 90012

Site Address: 1185 W SUNSET BLVD
LOS ANGELES, CA 90026

	DATE	PE	DESCRIPTION	AMOUNT
PAYMENTS				
	5/26/2022	9917	PRE-PAYMENT (D5)	($7,014.00)
			PAYMENTS SUBTOTAL:	**($7,014.00)**
			CHARGES:	**$0.00**
			PENALTIES:	**$0.00**
			PAYMENTS:	**($7,014.00)**
			ADJUSTMENTS:	**$0.00**
			INVOICE TOTAL DUE:	**($7,014.00)**

For Division 5 Permits:
Plan Check and Inspection services are calculated on a fee for service basis.
Each type of transaction has been assigned a charge based on the estimated time required for the service.
If Plan Check/Inspection services exceeded the assigned hours, additional charges will accrue in 1 hour increments. These additional charges will be billed to the Responsible Party.

For Payments:

200 North Main Street, Room 1700
Los Angeles, CA 90012
Phone: (213) 978-3700
Email: lafd.usttestnotify@lacity.org

Last Payment: **Fund 100 Dept #38 RevS. 3897**

Check No: CC

Check Date: 5/26/2022

Amount Paid: $7,014.00

Signature: _____

LOS ANGELES FIRE DEPARTMENT
Email: lafdustplancheck@lacity.org
Application for Division 5 Permit — Atmospheric Underground Tank

Fire Department Use Only

CERS ID:	LAFD Unified Program Facility ID:	Permit No.	Fire Station #	Date Granted (The work must start within 6 mos.)
	Enforcement Inspector	Permit Type:		**Expiration** Date: **(The work** must be completed)

LOCATION INFORMATION

Doing Business As (DBA):			**EPA ID No.** CAC003174277
Address: *Number* *Dir.*	*Street Name*	*St., Ave., Blvd., etc.*	**Phone No.:** (310) 871-0727
City:	**State:**	**Zip:**	

PROPERTY OWNER

Name:		**Phone Number: (** 310 **)** 871-0727
Address:		**Email:** rbeilfuss@aragon.ca
City:	**State:**	**Zip:**
Print Name: Russell Beilfuss	**Signature:** Russell Beilfuss	

LESSEE/FACILITY OWNER

Name:		**Phone Number: (** 310 **)** 871-0727
Address:		**Email:** rbeilfuss@aragon.ca
City:	**State:**	**Zip:**
Print Name: Russel Beilfuss	**Signature:** Russell Beilfuss	

CONTRACTOR INFORMATION

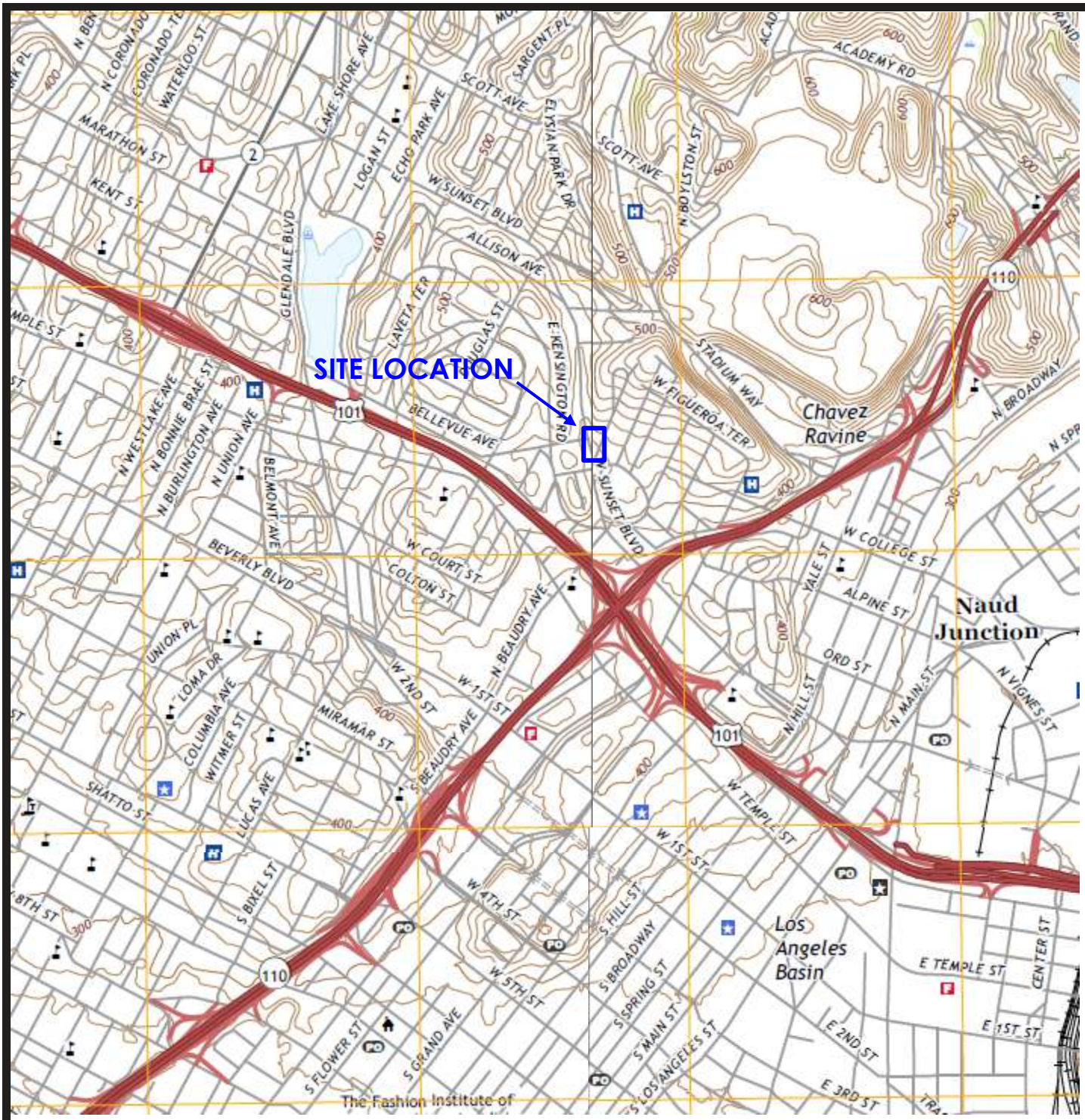
Company Name:		**Phone Number: (** **)**
Address:		**Email:**
City:	**State:**	**Zip:**
City Business Number:	**State Contractors Number:**	**Work Comp Number:**
Print Name:	**Signature:** S.Vora	**Title:**

ITEM	PE	QTY	NOTES:
☐ **UST(s) Installation**	**5100**		
☐ **UST(s) Abandonment by Removal**	**5201**		four 500-gal UST, one 150-gal UST. Contents
☐ **UST(s) Abandonment-In-Place**	**5200**		of each are unknown.
☐ **UST(s) Tank Entry / Lining / Repair**	**5301**		
☐ **UST(s) Add to / Alter: Monitor / Piping / Disp.**	**5300**		
☐ **Site Assessment**	**5400**		
☐ **Emergency Plan Check / Site Assessment**	**5401**		

Please indicate payment method by checking appropriate box: **Credit Card** **Check**

CREDIT/DEBIT CARD PAYMENT SERVICE FEE ADVISORY:

EFFECTIVE JULY 1, 2020, CREDIT OR DEBIT CARD PAYMENTS ARE SUBJECT TO A NON- REFUNDABLE 2.70% SERVICE FEE WHICH WILL BE COLLECTED AND PROCESSED AS A SEPARATE TRANSACTION BY OUR THIRD PARTY PAYMENT PROCESSOR, ELAVON INC. THIS RATE IS SUBJECT TO CHANGE BASED ON CREDIT/DEBIT INTERCHANGE RATE.



Source: USGS, Hollywood Quadranales, 7.5 Minute Series (2018)

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 1

PROJECT NO.: 0942.1020.0

DATE: MAY 12, 2022

SITE LOCATION MAP

CITY OF LOS ANGELES
Office of Finance
P.O. Box 53200
Los Angeles CA 90053-0200

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**********ALL FOR AADC 928 69
INTEGRATED DEMOLITION AND REMEDIATION INC. 16617
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

THIS CERTIFICATE MUST BE POSTED AT PLACE OF BUSINESS

CITY OF LOS ANGELES TAX REGISTRATION CERTIFICATE

THIS CERTIFICATE IS GOOD UNTIL SUSPENDED OR CANCELLED

BUSINESS TAX ISSUED: 5/13/2019

ACCOUNT NO.	FUND/CLASS	DESCRIPTION	STARTED	STATUS
0002921760-0001-6	L188	Contractor	8/1/2016	Active

INTEGRATED DEMOLITION AND REMEDIATION INC
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

ISSUED TO

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**ISSUED FOR TAX COMPLIANCE PURPOSES ONLY
NOT A LICENSE, PERMIT, OR LAND USE AUTHORIZATION**

"No registration certificate or permit issued under the provisions of the Business Tax ordinances of the LAMC, or the payment of any tax required under the provisions of the Business Tax ordinances of the LAMC shall be construed as authorizing the conduct or continuance of any illegal business or of a legal business in an illegal manner."

ISSUED BY:
Clare Bartels
DIRECTOR OF FINANCE

NOTIFY THE OFFICE OF FINANCE IN WRITING OF ANY CHANGE IN OWNERSHIP OR ADDRESS - Office of Finance, P.O. Box 53200, Los Angeles CA 90053-0200
IMPORTANT - READ REVERSE SIDE

FORM 2000 (Rev. 11/15)

(http://[illegible]e.lacity.org/)

Annual Business Taxes

Renewal Confirmation

This is a confirmation receipt for your submitted renewal. Please print and keep this receipt for your records.

Transaction Information:

Your Renewal was submitted and received on 01/28/2022.
The confirmation number for this transaction is **F0002921760000162022**

Your on-line payment for $399.40 was submitted and received.

The payment reference number is 2226575200

PAID
JAN 28 2022
By: DB PW ACH

Based on the information that you have submitted thus far, the following are your identified taxable business activities.

Note: The issuance of a Tax Registration Certificate and the payment of the business tax do not authorize the conduct or continuance of any illegal business or of a legal business in an illegal manner within the City of Los Angeles. The City has enacted regulatory ordinances in areas such as zoning, building safety, police, fire, hazardous material disclosure, sanitation, health, etc., which must be complied with in order to lawfully conduct a business within the City. Failure to comply with these regulatory ordinances may result in legal action being taken against the taxpayer.

Legal Name: INTEGRATED DEMOLITION AND REMEDIATION INC.

Account Number: 000292176000016

Business Location: 4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

Taxable Activities:

Business Activity	Basis for Tax
Contractor(L188)	300000

CA STATE FEE (SB 1186)	$4.00
Total Amount Due: **(Total tax due, including any interest and penalties for late payment.** **If total amount due is zero then no tax is due.)**	► **$399.40**

Six (6) digit Primary/Principal Business or Professional Activity Code Number as reported on your Federal tax return: Refer to the instructions with your Federal tax return to determine this code. (Copies of Form 1040 Schedule C instructions are available on-line at www.irs.ustreas.gov (http://www.irs.ustreas.gov) under Forms and Publications.) Note: If your business was newly established in 2021 and you have not yet filed a Federal Tax Return, you may leave this line blank.	None
Six (6) digit Primary/Principal Business or Professional Activity Code for any secondary business activity that comprises at least $1,000,000 and 40% of your gross receipts:	None

Please provide us with additional information below:

Is this business Female Owned? ○ **Yes** ○ **No**

- A Female-Owned Business is defined as a business with at least 51% owned by one or more women.

Is this business Minority Owned? ○ **Yes** ○ **No**

- A business is minority owned if it is at least 51% or more owned by an ethnic minority. An ethnic minority is an individual of African-American, Hispanic American, Native American, Asian American, Pacific Islander, Asian Indian American origin or heritage.

Is the aggregate cost of your business personal property $100,000 or more? ○ **Yes** ○ **No**

- Each year the Los Angeles County Assessor is responsible for the assessment of business personal property for property tax purposes. Examples of business personal property are machinery, equipment, furniture, computers, tools and supplies, etc. Business inventory is exempt and not subject to property tax. A business property statement, Form 571-L, is required to be filed if the aggregate cost of your taxable personal property is $100,000 or more on January 1 of each year, or if the Assessor requests you to file a statement. To learn more about Los Angeles County business personal property tax, visit the Assessor's website (https://assessor.lacounty.gov/)

CITY OF LOS ANGELES
OFFICE OF FINANCE
P.O. BOX 53200
LOS ANGELES, CA 90053-0200

los angeles office of finance

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
LOS ANGELES, CA
PERMIT NO. 12932

Account No: 0002921760-0001-6
Location: 4938 E LA PALMA AVE 92807

PAID
JAN 28 2022
By: DB PWACH

RETURN SERVICE REQUESTED
36915 **********AUTO**ALL FOR AADC 928 50
INTEGRATED DEMOLITION AND REMEDIATION INC.
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

2022 City of Los Angeles Business Tax Renewal

Thank you for filing your 2021 Business Tax Renewal online! We encourage you to continue using our **E-Filing System for your 2022 renewal**. Please note that this postcard is your only official reminder concerning your 2022 renewal requirement for the account shown on the front of this card.

Visit finance.lacity.org/renewal, enter a few details and the system automatically calculates your business tax liability, if any. To access E-Filing, you can use either your **account number, your Social Security Number, or your Federal Employer Identification Number**. If a tax liability is due you can pay online via e-check, credit card (a service fee will apply), or by ACH (required if your tax liability is $50,000 or more).

Business tax renewals are due on January 1, 2022 and delinquent if submitted after **February 28, 2022**. **Even if no tax is due, you must submit a completed renewal.** For more information, please visit our website at finance.lacity.org or contact us at (844) 663-4411.

California Assembly Bill 1379 – As required by State Law, a $4.00 fee must be paid for each year that you report a tax liability to the City. The $4.00 fee will **not** apply to any year in which you are exempt from a tax liability. For more information visit: finance.lacity.org/AB1379

As many business owners have been affected as a result of the COVID-19 pandemic, the City of Los Angeles along with other entities have enacted programs that may assist businesses during this time. Please visit our website at https://finance.lacity.org/blog/covid-19-business-resources for a list of organizations and websites that provide information regarding assistance. For updates from the Mayor's office please visit corona-virus.la.

PLEASE DO NOT REPORT TO OUR PUBLIC COUNTERS

CONTRACTORS STATE LICENSE BOARD

Contractor's License Detail for License # 1003504

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click here for a definition of disclosable actions.
- Only construction related civil judgments reported to CSLB are disclosed (B&P 7071.17).
- Arbitrations are not listed unless the contractor fails to comply with the terms.
- Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 5/27/2022 2:12:27 PM

Business Information

INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
4938 E LA PALMA AVENUE
ANAHEIM, CA 92807
Business Phone Number:(714) 340-3333

Entity Corporation
Issue Date 05/11/2015
Expire Date **05/31/2023**

License Status

This license is current and active.

All information below should be reviewed.

Classifications

- B - GENERAL BUILDING
- C21 - BUILDING MOVING, DEMOLITION
- C22 - ASBESTOS ABATEMENT (Check DOSH Asbestos Registration)
- A - GENERAL ENGINEERING

Certifications

- HAZ - HAZARDOUS SUBSTANCES REMOVAL

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with AMERICAN CONTRACTORS INDEMNITY COMPANY.
Bond Number: 100275146
Bond Amount: $15,000
Effective Date: 01/01/2016
Contractor's Bond History

Bond of Qualifying Individual

- This license filed Bond of Qualifying Individual number **100345334** for JOSE RAMON SANCHEZ in the amount of **$12,500** with AMERICAN CONTRACTORS INDEMNITY COMPANY.
  Effective Date: 04/17/2017
- The qualifying individual SHRENIK VORA certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.
  Effective Date: 07/27/2016
  BQI's Bond History

Workers' Compensation

This license has workers compensation insurance with the STARR INDEMNITY & LIABILITY COMPANY

Policy Number:100000463801
Effective Date: 05/21/2022
Expire Date: 05/21/2023
Workers' Compensation History

Miscellaneous Information

- 04/13/2016 - DOSH REGISTRATION VERIFIED FOR C22
- 04/14/2016 - C22 NOT VALID 04/04/16 TO 04/13/16
- 04/21/2017 - DOSH REGISTRATION VERIFIED FOR C22

Other

- Personnel listed on this license (current or disassociated) are listed on other licenses.

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/21/2023 | 5/20/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Insurance Brokers,LLC CA License #0F15767 777 S. Figueroa Street, 52nd fl. Los Angeles CA 90017 213-689-0065	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
INSURED 1479555 Integrated Demolition & Remediation, Inc. 4938 E La Palma Ave Anaheim CA 92807	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** Starr Surplus Lines Insurance Company — 13604 **INSURER B :** Travelers Property Casualty Co of America — 25674 **INSURER C :** Allied World National Assurance Company — 10690 **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES INTDE01 **CERTIFICATE NUMBER:** 18556945 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [X] OCCUR X Ded: $10,000 GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER:	N	N	1000067641221	5/21/2022	5/21/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 3,000,000 $ 100,000 $ 25,000 $ 1,000,000 $ 6,000,000 $ 3,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY	N	N	1000638121221	5/21/2022	5/21/2023	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
A	[ ] **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE DED [ ] RETENTION $	N	N	1000337817221	5/21/2022	5/21/2023	EACH OCCURRENCE AGGREGATE 	$ 10,000,000 $ 10,000,000 $ XXXXXXX
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	N	100 0004638 01	5/21/2022	5/21/2023	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C B A A	2nd XS Liab. L/R Equip. Prof. Liab. Poll. Liab.	N	N	0311-8604 QT-630-1S70782A-TIL-22 1000067641211 1000067641221	5/21/2022 5/21/2022 5/21/2022 5/21/2022	5/21/2023 5/21/2023 5/21/2023 5/21/2023	$10M occ./$10M agg. Limit: $1M $1M each claim/$2M agg. $1M occ./$2M agg.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

18556945
Evidence of Coverage

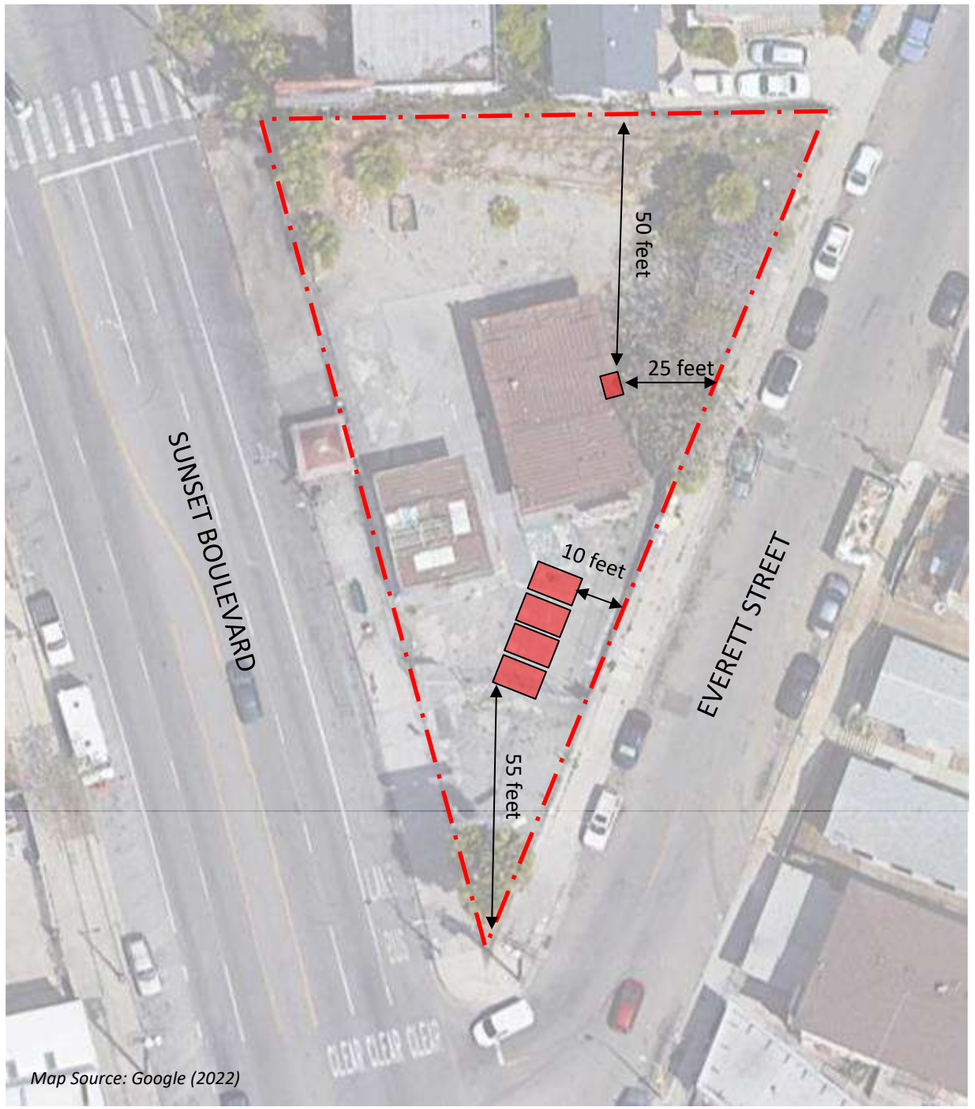
CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

Site Plan and Vicinity Map



Scope of Work: Abandon by removal five (5) underground storage tanks (UST). A Site Plan and Vicinity Map is provided at left. A detailed Scope of Work for the abandonment by removal is outlined below:

1. Four 500-gallon capacity fuel USTs and one 150-gallon capacity waste oil UST from historical gasoline station operations are buried at the site. Access to the fuel USTs is via a surface access port that is presently sealed with asphalt. An access port for the waste oil UST is not observable due to the presence of trash and debris. Citadel believes the USTs to be buried approximately two to our feet underground and are of single-walled steel construction. The fuel USTs are assumed to be of approximately 6 feet in length and 48 inches in diameter. The waste oil UST is assumed to be approximately 4 feet in length and 30 inches in diameter. The contents of each UST is unknown.
2. Prior to beginning work, a Health and Safety Plan (HASP) will be prepared and implemented.
3. All tank identifications shall remain on the tank. Do not remove the Underwriter's Laboratory tag or any other identification from the tank. The Division 5 Permit number and "LAFD" will be painted on the side of the UST.
4. A combustible gas indicator (properly calibrated) will be on the job site during the entire operation.
5. During soil disturbance and removal processes, Citadel will monitor air emissions at 15-minute intervals using a direct reading portable photo-ionizing detector (PID), or equivalent, and record the measurements.
6. Prior to excavation, place a minimum of 20 pounds of dry ice per 1,000 gallons capacity into each tank at least TWO HOURS PRIOR to any further work being performed. All excavated soil (from the unearthing of the UST) must be retained on site and covered until determination of contamination and disposal has been made. Soil may be removed only with approval from the LAFD Inspector.
7. No cutting torch, open flame, or spark-producing equipment shall be used on the tank or piping. Electric lines, piping, and other tank apparatus shall be isolated or disconnected. All piping shall be left intact until the tank is exposed and ready to be removed.
8. Check the tank for an explosive atmosphere utilizing a combustible gas indicator. Air purging of the tank shall be initiated whenever the atmosphere inside the tank is above 20 percent of the lower explosive limit (LEL).
9. If the tank is not empty, remove residual product with a vacuum truck using a high-pressure water rinse with a minimum 2,000 psi, and detergent (if necessary). All interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste disposal site or licensed TSDF by a licensed hazardous waste transporter and a copy of the manifest will be supplied to the LAFD inspector.
10. A certified Industrial Hygienist or Marine Chemist will certify that the tank is clean and supply a copy of the certification to the LAFD Inspector.
11. Lift the tank from the excavation and inspect for signs of leakage then secure it on an appropriate transport vehicle with its openings at the top. The UST shall be removed intact and not punctured or crushed on-site. The licensed transporter shall transport the tank to a licensed recycler or waste disposal site, subject to all applicable government regulations.
12. The LAFD Inspector witnessing the abandonment shall be given a copy of the transport manifest, and shall be given the address as to where the tank will be transported.
13. Soil samples shall be obtained from beneath the tank, piping, and spoils pile at the direction of the LAFD Inspector. Soil sampling shall be performed by a Professional Geologist, or a trained technician deemed qualified to take soil samples if they have a letter in their possession certifying their training and experience in taking soil samples and are under the supervision of the Professional Geologist.
14. Soil samples will be analyzed for the full range of total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015M, benzene, toluene, ethylbenzene, and xylene (BTEX), oxygenates and naphthalene by EPA Method 8260B. Additional analyses may be required per the LAFD inspector.

Facility Owner:
Aragon (Sunset/Everett) Properties Corporation

EPA ID #:
CAC003174277

Prepared by:
Citadel Professional Geologist Scott Grasse, California PG #9878;
sgrasse@citadelehs.com

Permit Approval

SUBJECT TO FIELD INSPECTION
Approval of these plans and/or specifications does not exempt them from compliance with all pertinent sections of Municipal, State, or Federal code, law, or regulation
APPROVED
Jerry Kao
LOS ANGELES FIRE DEPARTMENT CUPA
UNDERGROUND STORAGE TANK PLAN CHECK

APPROVED SR0034881
By Jerry Kao at 2:19 pm, May 27, 2022

APPROVAL / ACCEPTANCE
The following systems have been inspected and approved/accepted by the LAFD CUPA

	INSPECTOR SIGNATURE	PRINT NAME	DATE
Primary Containment System			
Secondary Containment System			
Monitoring System			
Other			

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Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 2 – Cover Page

PROJECT NO.: 0942.1020.0
DATE: MAY 12, 2022

Division 5 Permit Application

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Appendix B
LAFD UST Soil Report Requirements

UST SOIL REPORT REQUIREMENTS

A complete soil report is due 30 days from the date of soil sampling

EMAIL COMPLETED SOIL REPORT TO:
lafd.usttestnotify@lacity.org

INSPECTOR	PERMIT #	FACILITY ID	DATE

FACILITY ADDRESS	COMMENTS

T□e soil report s□o□ld □ollo□ t□e Los An□eles Fire Depart□ent□s General Report s□□□ittal □□idelines. To assist yo□□t□e □□idelines are availa□le at **http://www.lafd.org/sites/default/files/pdf_files/fpb41_tank_aband.pdf.**

The following documentation shall be included as part of your report:

- A copy o□t□e Los An□eles Fire Depart□ent Division 5-Per□it
- Marine C□e□ist Certi□icate
- Copy o□t□e Ha□ardo□s Waste Mani□est □or Disposal o□Tank□s Rinsate
- Certi□icate o□Tank Disposal/Destr□ction and associated pipin□
- Soil □ani□est □or soil re□oved □ro□ t□e site
- Scaled plot plan□clearly ill□stratin□ t□e location and dept□ o□all t□e sa□ples collected
- All analytical res□lts s□o□ld □e presented in □illi□ra□ per kilo□ra□ □□ □/k□□
- All na□es in t□e c□ain o□c□stody □ □st □e le□i□le
- A copy o□t□is pa□e
- ***If soil analysis results exceed the LAFD Minimum Action Levels, include an Unauthorized Release Report (URR) with your soil report***

ANALYTICAL REQUIREMENTS				
Group A Gasoline	**Group-B** Diesel	Analytical Method	Required MDL's (ug/kg)	LAFD Minimum Action Levels mg/kg
Analyte	Analyte			
TPH□		Cal-LUFT GC/FID or GC/MS □8015 M□	100-200	100
	TPHd	Cal-LUFT GC/FID □8015 M□	1000	100
BTE□	BTE□	EPA Met□od 8260B □8021B□	1	Ben□ene □1□TE□-50
MTBE	MTBE	EPA Met□od 8260B	2	□MDL□s
DIPE	DIPE	EPA Met□od 8260B	2	1
ETBE	ETBE	EPA Met□od 8260B	2	1
TAME	TAME	EPA Met□od 8260B	2	1
TBA	TBA	EPA Met□od 8260B	20	20
Ethanol		Cal-LUFT GC/FID (EPA 8260B)	500	100
Group-C	Waste Oil Tank (or UNKNOWN Tank): Test □or TPH□car□on c□ain □sin□ Cal-L□□t GC/FID or GC/MS□BTE□□ O□y□enates□and VOCs□□sin□ EPA Met□od 8260B			

*In every □ro□p incl□de Nap□t□alene as part o□t□e test.
*I□tanks □istorically or c□rrently contain Met□anol or Et□anol□test □or t□ose co□po□nds.
*Soil sa□ples s□all □e prepared □sin□ EPA Met□od 5035 □or all VOC□s and TPH□.
*Soil gas can be used as an alternative sampling method

LOCATION	GROUP	SAMPLES	LOCATION	GROUP	SAMPLES
Tank 1			Dispenser □TPH□□		
Tank 2			Dispenser □TPHd□		
Tank 3			Pipin□		
Tank 4			Water sa□ples		
Tank 5			Stockpiles		
Tank 6			Ot□er		

Select one or more from groups A through C

UST SOIL REPORT REQUIREMENTS

1.0 Cover Letter/Introduction/Table of Contents

2.0 Site Identification
- 2.1 Current owner/s
- 2.2 Current business activities
- 2.3 Spill, leak, and accident history
- 2.4 Number, capacity, and contents of tanks and other components

3.0 Background and Summary
- 3.1 Site description
- 3.2 Previous investigation
- 3.3 Wet ink signature
- 3.4 Geologist Seal with I.D number and expire date (stamp)
- 3.5 Name and address of individual that produced the report

NOTE: All reports must include the wet-ink signature and seal of one of the following licensed professionals: Professional Civil Engineer (PE), Professional Geologist (PG), Certified Engineering Geologist (CEG), Certified Hydrogeologist (CHG), Professional Petroleum Engineer (PPE)

4.0 Geology and Hydrology
- 4.1 Geology
- 4.2 Hydrology

5.0 Tank Removal Activities, Procedures, On-site Inspection
- 5.1 Tank Removal/or abandonment in place activities
- 5.2 Clarifier Removal/associated with a UST **only**
- 5.3 Dispenser Replacement/Upgrade activities
- 5.4 Piping Replacement/Upgrade activities
- 5.5 Laboratory Analyses and Chain-of –Custody
- 5.6 Condition of tanks and pit upon removal
- 5.7 Date of removal activities & sampling protocols
- 5.8 Name & address of Removal Company

6.0 Soil Disposal Operations/Contaminated soil

7.0 AQMD Rule 1166 Air Monitoring

8.0 Recommendations/Conclusion

9.0 List of Figures/Maps
- 9.1 Site Location Map with cross streets
- 9.2 Site Plan (soil sample locations)

10.0 List of Tables
- 10.1 Soil analytical Laboratory Results per LAFD guidelines
- 10.2 Indicate which analytical method and detection limit used
- 10.3 Report all “non-detect” (ND) with < numerical MDL value (not just the ND without the detection limit value)

11.0 List of Appendices
- 11.1 Copy of the LAFD Div-5 Permit
- 11.2 UST Certification for Removal
- 11.3 Tank Rinsate Disposal Manifest
- 11.4 Analytical Results with chain of custody
- 11.5 Soil Disposal Manifest
- 11.6 AQMD Rule 1166 Field Monitoring Data Sheets
- 11.7 Tank disposal manifest/with facility address
- 11.8 UST Soil Report Requirements

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Appendix C
Laboratory Reports and Chain of Custody Records

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464925
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	464925 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
CLARIFIER1	464925-001	06/27/22 11:53	Miscell. (Oily Sludge)

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 464925 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one oily sludge sample, requested for the above referenced project on 06/27/22. The sample was received intact.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 292101; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- CLARIFIER1 (lab # 464925-001) was diluted due to foaming.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- CLARIFIER1 (lab # 464925-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD for batch 292010; the parent sample was not a project sample. High recoveries were observed for vanadium; the associated RPD was within limits. High RPD was observed for antimony.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464925

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	CLARIFIER 1	6-27-22	1153	S	4oz		X	X	X	X	PLEASE ADD NAPHTALENE AND OXYGENATES TO VOC ANALYSIS.
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1350
[1] Received By:			EA	6-27-22 1552
[2] Relinquished By:				
[2] Received By:		Celena Silvestri	EA	6/27/22 6.S. 6/28/22
[3] Relinquished By:				
[3] Received By:				

23/24.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS

Project: Limited Phase II SI

Date Received: 6/27/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yeena Schlegel Date: 6/27/22

ENTHALPY ANALYTICAL

Analysis Results for 464925

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 464925
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: CLARIFIER1 **Lab ID: 464925-001** **Collected: 06/27/22 11:53**
Matrix: Miscell.

464925-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**46**		mg/Kg	5.6	3.0	1.9	292010	06/28/22	06/29/22	KLN
Arsenic	**3.0**		mg/Kg	1.9	1.2	1.9	292010	06/28/22	06/29/22	KLN
Barium	**790**		mg/Kg	1.9	0.19	1.9	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	0.93	0.20	1.9	292010	06/28/22	06/29/22	KLN
Cadmium	**1.2**		mg/Kg	0.93	0.14	1.9	292010	06/28/22	06/29/22	KLN
Chromium	**36**		mg/Kg	1.9	0.39	1.9	292010	06/28/22	06/29/22	KLN
Cobalt	**5.8**		mg/Kg	0.93	0.13	1.9	292010	06/28/22	06/29/22	KLN
Copper	**820**		mg/Kg	1.9	1.1	1.9	292010	06/28/22	06/29/22	KLN
Lead	**62**		mg/Kg	1.9	1.6	1.9	292010	06/28/22	06/29/22	KLN
Molybdenum	**19**		mg/Kg	1.9	1.1	1.9	292010	06/28/22	06/29/22	KLN
Nickel	**75**		mg/Kg	1.9	0.48	1.9	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	5.6	0.74	1.9	292010	06/28/22	06/29/22	KLN
Silver	**0.77**	J	mg/Kg	0.93	0.30	1.9	292010	06/28/22	06/29/22	KLN
Thallium	**4.1**	J	mg/Kg	5.6	1.1	1.9	292010	06/28/22	06/29/22	KLN
Vanadium	**17**		mg/Kg	1.9	0.80	1.9	292010	06/28/22	06/29/22	KLN
Zinc	**880**		mg/Kg	9.3	1.4	1.9	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.074**	J	mg/Kg	0.16	0.046	1.2	292037	06/28/22	06/28/22	ECM
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	ND		mg/Kg	200	49	20	292101	06/29/22	06/29/22	TJW
DRO C10-C28	**560**		mg/Kg	200	49	20	292101	06/29/22	06/29/22	TJW
ORO C28-C44	**910**		mg/Kg	400	49	20	292101	06/29/22	06/29/22	TJW
Surrogates				**Limits**						
n-Triacontane	114%		%REC	70-130		20	292101	06/29/22	06/29/22	TJW
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	4,900	1,000	98	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	4,900	3,200	98	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	4,900	810	98	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	4,900	3,200	98	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	4,900	3,600	98	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	4,900	1,700	98	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	4,900	960	98	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464925

464925-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1262	ND		ug/Kg	4,900	450	98	292053	06/28/22	07/07/22	TRN
Aroclor-1268	ND		ug/Kg	4,900	1,800	98	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	70%		%REC	19-121		98	292053	06/28/22	07/07/22	TRN
Method: EPA 8260B Prep Method: METHOD										
3-Chloropropene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,200	2500	292638	07/07/22	07/11/22	ILK
Isopropyl Ether (DIPE)	ND		ug/Kg	13,000	3,300	2500	292638	07/07/22	07/11/22	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	13,000	3,800	2500	292638	07/07/22	07/11/22	ILK
tert-Butyl Alcohol (TBA)	ND		ug/Kg	25,000	22,000	2500	292638	07/07/22	07/11/22	ILK
Freon 12	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Chloromethane	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Vinyl Chloride	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Bromomethane	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Chloroethane	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Trichlorofluoromethane	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Acetone	ND		ug/Kg	250,000	27,000	2500	292638	07/07/22	07/11/22	ILK
Freon 113	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethene	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Methylene Chloride	ND		ug/Kg	13,000	4,600	2500	292638	07/07/22	07/11/22	ILK
MTBE	ND		ug/Kg	13,000	3,500	2500	292638	07/07/22	07/11/22	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethane	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
2-Butanone	ND		ug/Kg	250,000	22,000	2500	292638	07/07/22	07/11/22	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
2,2-Dichloropropane	ND		ug/Kg	13,000	1,400	2500	292638	07/07/22	07/11/22	ILK
Chloroform	ND		ug/Kg	13,000	10,000	2500	292638	07/07/22	07/11/22	ILK
Bromochloromethane	ND		ug/Kg	13,000	4,500	2500	292638	07/07/22	07/11/22	ILK
1,1,1-Trichloroethane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloropropene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
Carbon Tetrachloride	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane	ND		ug/Kg	13,000	4,000	2500	292638	07/07/22	07/11/22	ILK
Benzene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Trichloroethene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloropropane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Bromodichloromethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Dibromomethane	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	13,000	6,800	2500	292638	07/07/22	07/11/22	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Toluene	**2,900**	J	ug/Kg	13,000	2,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1,2-Trichloroethane	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichloropropane	ND		ug/Kg	13,000	3,100	2500	292638	07/07/22	07/11/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464925

464925-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Dibromochloromethane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromoethane	ND		ug/Kg	13,000	3,200	2500	292638	07/07/22	07/11/22	ILK
Chlorobenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Ethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
m,p-Xylenes	ND		ug/Kg	25,000	4,300	2500	292638	07/07/22	07/11/22	ILK
o-Xylene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Styrene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Bromoform	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Isopropylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichloropropane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Propylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
Bromobenzene	ND		ug/Kg	13,000	2,300	2500	292638	07/07/22	07/11/22	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
2-Chlorotoluene	ND		ug/Kg	13,000	1,600	2500	292638	07/07/22	07/11/22	ILK
4-Chlorotoluene	ND		ug/Kg	13,000	1,500	2500	292638	07/07/22	07/11/22	ILK
tert-Butylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
sec-Butylbenzene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
para-Isopropyl Toluene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,4-Dichlorobenzene	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
n-Butylbenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichlorobenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Hexachlorobutadiene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Naphthalene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
Xylene (total)	ND		ug/Kg	13,000		2500	292638	07/07/22	07/11/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145	5,000	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane-d4	85%		%REC	70-145	8,900	2500	292638	07/07/22	07/11/22	ILK
Toluene-d8	99%		%REC	70-145	4,800	2500	292638	07/07/22	07/11/22	ILK
Bromofluorobenzene	94%		%REC	70-145		2500	292638	07/07/22	07/11/22	ILK

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997459**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.6	06/28/22	06/29/22
Arsenic	ND		mg/Kg	1.0	0.67	06/28/22	06/29/22
Barium	ND		mg/Kg	1.0	0.10	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.50	0.11	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.50	0.075	06/28/22	06/29/22
Chromium	ND		mg/Kg	1.0	0.21	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.50	0.068	06/28/22	06/29/22
Copper	ND		mg/Kg	1.0	0.60	06/28/22	06/29/22
Lead	ND		mg/Kg	1.0	0.84	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	1.0	0.59	06/28/22	06/29/22
Nickel	ND		mg/Kg	1.0	0.26	06/28/22	06/29/22
Selenium	ND		mg/Kg	3.0	0.40	06/28/22	06/29/22
Silver	ND		mg/Kg	0.50	0.16	06/28/22	06/29/22
Thallium	ND		mg/Kg	3.0	0.58	06/28/22	06/29/22
Vanadium	ND		mg/Kg	1.0	0.43	06/28/22	06/29/22
Zinc	ND		mg/Kg	5.0	0.75	06/28/22	06/29/22

Type: Lab Control Sample	**Lab ID: QC997460**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	105.1	100.0	mg/Kg	105%		80-120
Arsenic	106.5	100.0	mg/Kg	106%		80-120
Barium	107.1	100.0	mg/Kg	107%		80-120
Beryllium	111.7	100.0	mg/Kg	112%		80-120
Cadmium	105.0	100.0	mg/Kg	105%		80-120
Chromium	105.2	100.0	mg/Kg	105%		80-120
Cobalt	109.4	100.0	mg/Kg	109%		80-120
Copper	105.5	100.0	mg/Kg	105%		80-120
Lead	109.0	100.0	mg/Kg	109%		80-120
Molybdenum	107.2	100.0	mg/Kg	107%		80-120
Nickel	109.3	100.0	mg/Kg	109%		80-120
Selenium	93.35	100.0	mg/Kg	93%		80-120
Silver	53.50	50.00	mg/Kg	107%		80-120
Thallium	107.3	100.0	mg/Kg	107%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	107.3	100.0	mg/Kg	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC997461	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.84	ND	93.46	mg/Kg	22%	*	75-125	0.93
Arsenic	104.5	8.454	93.46	mg/Kg	103%		75-125	0.93
Barium	188.0	99.37	93.46	mg/Kg	95%		75-125	0.93
Beryllium	97.61	0.1191	93.46	mg/Kg	104%		75-125	0.93
Cadmium	98.49	5.773	93.46	mg/Kg	99%		75-125	0.93
Chromium	129.0	31.43	93.46	mg/Kg	104%		75-125	0.93
Cobalt	93.43	6.169	93.46	mg/Kg	93%		75-125	0.93
Copper	109.2	16.85	93.46	mg/Kg	99%		75-125	0.93
Lead	92.20	2.640	93.46	mg/Kg	96%		75-125	0.93
Molybdenum	95.01	7.478	93.46	mg/Kg	94%		75-125	0.93
Nickel	119.4	36.08	93.46	mg/Kg	89%		75-125	0.93
Selenium	84.89	0.7817	93.46	mg/Kg	90%		75-125	0.93
Silver	47.17	ND	46.73	mg/Kg	101%		75-125	0.93
Thallium	94.12	ND	93.46	mg/Kg	101%		75-125	0.93
Vanadium	182.3	64.71	93.46	mg/Kg	126%	*	75-125	0.93
Zinc	154.4	64.79	93.46	mg/Kg	96%		75-125	0.93

Type:	Matrix Spike Duplicate	Lab ID:	QC997462	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.44	ND	90.91	mg/Kg	42%	*	75-125	62*	41	0.91
Arsenic	102.5	8.454	90.91	mg/Kg	103%		75-125	1	35	0.91
Barium	198.6	99.37	90.91	mg/Kg	109%		75-125	7	20	0.91
Beryllium	94.80	0.1191	90.91	mg/Kg	104%		75-125	0	20	0.91
Cadmium	98.13	5.773	90.91	mg/Kg	102%		75-125	2	20	0.91
Chromium	127.8	31.43	90.91	mg/Kg	106%		75-125	1	20	0.91
Cobalt	90.69	6.169	90.91	mg/Kg	93%		75-125	0	20	0.91
Copper	106.7	16.85	90.91	mg/Kg	99%		75-125	0	20	0.91
Lead	90.27	2.640	90.91	mg/Kg	96%		75-125	1	20	0.91
Molybdenum	97.33	7.478	90.91	mg/Kg	99%		75-125	5	20	0.91
Nickel	114.3	36.08	90.91	mg/Kg	86%		75-125	2	20	0.91
Selenium	83.17	0.7817	90.91	mg/Kg	91%		75-125	1	20	0.91
Silver	46.45	ND	45.45	mg/Kg	102%		75-125	1	20	0.91
Thallium	91.07	ND	90.91	mg/Kg	100%		75-125	1	20	0.91
Vanadium	183.1	64.71	90.91	mg/Kg	130%	*	75-125	2	20	0.91
Zinc	149.9	64.79	90.91	mg/Kg	94%		75-125	1	20	0.91

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC997558	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997558 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.039	06/28/22	06/28/22

Type: Lab Control Sample	Lab ID: QC997559	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997559 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7525	0.8333	mg/Kg	90%		80-120

Type: Matrix Spike	Lab ID: QC997560	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8170	0.04292	0.8475	mg/Kg	91%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC997561	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9248	0.04292	0.9615	mg/Kg	92%		75-125	0	20	1.2

Type: Blank	Lab ID: QC997725	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997725 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	200	48	06/29/22	06/29/22
DRO C10-C28	ND		mg/Kg	200	48	06/29/22	06/29/22
ORO C28-C44	70	J	mg/Kg	400	48	06/29/22	06/29/22
Surrogates				**Limits**			
n-Triacontane	113%		%REC	70-130		06/29/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997726	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	4,074	5000	mg/Kg	81%		76-122
Surrogates						
n-Triacontane	216.9	200.0	mg/Kg	108%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC997727**	**Batch:**	**292101**
Matrix:	**Miscell.**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580**

QC997727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	4,148	5000	mg/Kg	83%		76-122	2	20
Surrogates								
n-Triacontane	213.0	200.0	mg/Kg	106%		70-130		

Type:	**Blank**	**Lab ID:**	**QC997568**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC997568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	500	110	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	500	320	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	500	83	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	500	330	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	500	370	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	500	170	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	500	98	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	500	46	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	500	180	06/28/22	07/07/22
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	67%		%REC	19-121		06/28/22	07/07/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC999116**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3,267	5000	ug/Kg	65%		14-150
Aroclor-1260	3,472	5000	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	263.6	500.0	ug/Kg	53%		19-121

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC999117**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3,703	5000	ug/Kg	74%		14-150	13	20
Aroclor-1260	4,105	5000	ug/Kg	82%		10-150	17	20
Surrogates								
Decachlorobiphenyl (PCB)	338.6	500.0	ug/Kg	68%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999449	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	8.8	07/07/22	07/11/22
Freon 12	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Acetone	ND		ug/Kg	100	25	07/07/22	07/11/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	100	3.2	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.9	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	10	0.8	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	5.0		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		07/07/22	07/11/22
1,2-Dichloroethane-d4	90%		%REC	70-145		07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/11/22
Bromofluorobenzene	90%		%REC	70-145		07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC999450	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.81	50.00	ug/Kg	88%		70-131
MTBE	38.86	50.00	ug/Kg	78%		69-130
Benzene	44.21	50.00	ug/Kg	88%		70-130
Trichloroethene	47.94	50.00	ug/Kg	96%		70-130
Toluene	44.78	50.00	ug/Kg	90%		70-130
Chlorobenzene	46.20	50.00	ug/Kg	92%		70-130
Surrogates						
Dibromofluoromethane	53.55	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	43.44	50.00	ug/Kg	87%		70-145
Toluene-d8	48.56	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	47.74	50.00	ug/Kg	95%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC999451	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.67	50.00	ug/Kg	89%		70-131	2	33
MTBE	42.01	50.00	ug/Kg	84%		69-130	8	30
Benzene	45.64	50.00	ug/Kg	91%		70-130	3	30
Trichloroethene	48.39	50.00	ug/Kg	97%		70-130	1	30
Toluene	45.24	50.00	ug/Kg	90%		70-130	1	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.54	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	43.32	50.00	ug/Kg	87%		70-145		
Toluene-d8	49.30	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	47.95	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999452	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	47	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	110	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	100	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	500	440	07/07/22	07/11/22
Freon 12	ND		ug/Kg	250	57	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	250	34	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	250	41	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	250	48	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	250	20	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/11/22
Acetone	ND		ug/Kg	5,000	530	07/07/22	07/11/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	250	91	07/07/22	07/11/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	5,000	430	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/11/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/11/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	250	140	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/11/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	500	86	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/11/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/11/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	250		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130	100	07/07/22	07/11/22
1,2-Dichloroethane-d4	89%		%REC	70-145	180	07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145	96	07/07/22	07/11/22
Bromofluorobenzene	92%		%REC	70-145		07/07/22	07/11/22

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465697
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	465697 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
CLARIFIER1	465697-001	06/27/22 11:53	Miscell.

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 465697 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one miscell. sample, requested for the above referenced project on 07/13/22. The sample was received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464925

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	CLARIFIER 1	6-27-22	1153	S	4oz		X	X	X	X	PLEASE ADD NAPHTALENE AND OXYGENATES TO VOC ANALYSIS.
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1350
[1] Received By:			EA	6-27-22 1552
[2] Relinquished By:				
[2] Received By:		Celena Silvestri	EA	6/27/22 6.S. 6/28/22
[3] Relinquished By:				
[3] Received By:				

23/24.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS

Project: Limited Phase II SI

Date Received: 6/27/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yeena Schlegel Date: 6/27/22

Jim Lin

From: Scott Grasse <SGrasse@citadelehs.com> on behalf of Scott Grasse
Sent: Wednesday, July 13, 2022 10:10 AM
To: Jim.lin@enthalpy.com
Subject: [EXTERNAL] RE: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464925)

Jim,

Please proceed with the following additional analyses for the Clarifier1 Sample:

STLC Copper
STLC Lead

Scott Grasse, PG, MSc
Project Geologist
CITADEL EHS
assess • resolve • strengthen
Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
www.CitadelEHS.com
Glendale | Irvine | Valencia | Long Beach | Oakland | San Diego

The information in this email message may be privileged, confidential, and protected from disclosure or use, dissemination, distribution, or copying of the message or any attachment is strictly prohibited. If you think that you have received this email in error, please notify the sender.

From: Jim Lin <Jim.lin@enthalpy.com>
Sent: Tuesday, July 12, 2022 10:48 AM
To: Scott Grasse <SGrasse@citadelehs.com>
Subject: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464925)

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Scott,

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Please find attached the following files:
• PDF Deliverable
• Standard Pivot Table EDD (464925.xls)

Email was also sent to: jim.lin@enthalpy.com

Jim Lin
Service Center Manager

931 W. Barkley Ave., Orange, CA 92868
O: 714-771-6900 M: 818-319-2359
Jim.Lin@enthalpy.com

To help protect the air we breathe, the water we drink, and the soil that feeds us.

Please take a moment to provide customer feedback
Terms and Conditions & Enthalpy Sample Acceptance Policy
https://enthalpy.com/news-events/

ENTHALPY ANALYTICAL

Analysis Results for 465697

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 465697
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: CLARIFIER1 **Lab ID: 465697-001** **Collected: 06/27/22 11:53**
Matrix: WET Leachate

465697-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Copper	**0.13**	J	mg/L	0.30	0.080	10	293199	07/18/22	07/19/22	KLN
Lead	ND		mg/L	0.15	0.070	10	293199	07/18/22	07/19/22	KLN

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1001168**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001168 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Copper	ND		mg/L	0.30	0.080	07/18/22	07/19/22
Lead	ND		mg/L	0.15	0.070	07/18/22	07/19/22

Type: Lab Control Sample	**Lab ID: QC1001169**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Copper	4.116	4.000	mg/L	103%		80-120
Lead	3.968	4.000	mg/L	99%		80-120

Type: Lab Control Sample Duplicate	**Lab ID: QC1001170**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001170 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Copper	4.177	4.000	mg/L	104%		80-120	1	20
Lead	4.102	4.000	mg/L	103%		80-120	3	20

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464924
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606		Lab Job #: Location: Date Received:	464924 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
SUMP 1	464924-001	06/27/22 11:40	Miscell. (Oily Sludge)

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 464924 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one oily sludge sample, requested for the above referenced project on 06/27/22. The sample was received intact.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 292101; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- SUMP 1 (lab # 464924-001) was diluted due to foaming.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- SUMP 1 (lab # 464924-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD for batch 292010; the parent sample was not a project sample. High recoveries were observed for vanadium; the associated RPD was within limits. High RPD was observed for antimony.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464924

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	SUMP 1	6-27-22	1140	S	4oz		X	X	X	X	PLEASE ADD NAPTHALENE AND OXYGENATES TO VOC ANALYSIS
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1550
[1] Received By:			FEDEX	6/27/22 1556
[2] Relinquished By:				
[2] Received By:		Edeno Sylvestre	EA	6/27/22 1 6/28/22
[3] Relinquished By:				
[3] Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS Project: Limited Phase II SI

Date Received: 6/27/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Olena Sobolenko Date: 6/27/22

ENTHALPY ANALYTICAL

Analysis Results for 464924

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 464924
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: SUMP 1 **Lab ID: 464924-001** **Collected: 06/27/22 11:40**
Matrix: Miscell.

464924-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**47**		mg/Kg	6.0	3.2	2	292010	06/28/22	06/29/22	KLN
Arsenic	**4.3**		mg/Kg	2.0	1.3	2	292010	06/28/22	06/29/22	KLN
Barium	**970**		mg/Kg	2.0	0.20	2	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	1.0	0.22	2	292010	06/28/22	06/29/22	KLN
Cadmium	**1.5**		mg/Kg	1.0	0.15	2	292010	06/28/22	06/29/22	KLN
Chromium	**50**		mg/Kg	2.0	0.42	2	292010	06/28/22	06/29/22	KLN
Cobalt	**6.5**		mg/Kg	1.0	0.14	2	292010	06/28/22	06/29/22	KLN
Copper	**1,100**		mg/Kg	2.0	1.2	2	292010	06/28/22	06/29/22	KLN
Lead	**92**		mg/Kg	2.0	1.7	2	292010	06/28/22	06/29/22	KLN
Molybdenum	**22**		mg/Kg	2.0	1.2	2	292010	06/28/22	06/29/22	KLN
Nickel	**69**		mg/Kg	2.0	0.52	2	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	6.0	0.80	2	292010	06/28/22	06/29/22	KLN
Silver	**2.8**		mg/Kg	1.0	0.32	2	292010	06/28/22	06/29/22	KLN
Thallium	ND		mg/Kg	6.0	1.3	2	292010	06/28/22	07/05/22	KLN
Vanadium	**19**		mg/Kg	2.0	0.86	2	292010	06/28/22	06/29/22	KLN
Zinc	**1,100**		mg/Kg	10	1.5	2	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.079**	J	mg/Kg	0.17	0.047	1.2	292037	06/28/22	06/28/22	ECM
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	**300**	J	mg/Kg	400	97	40	292101	06/29/22	06/29/22	TJW
DRO C10-C28	**4,800**		mg/Kg	400	97	40	292101	06/29/22	06/29/22	TJW
ORO C28-C44	**4,600**		mg/Kg	800	97	40	292101	06/29/22	06/29/22	TJW
Surrogates				**Limits**						
n-Triacontane	113%		%REC	70-130		40	292101	06/29/22	06/29/22	TJW
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	5,100	1,100	100	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	5,100	3,300	100	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	5,100	840	100	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	5,100	3,400	100	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	5,100	3,800	100	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	5,100	1,800	100	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	5,100	1,000	100	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464924

464924-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1262	ND		ug/Kg	5,100	470	100	292053	06/28/22	07/07/22	TRN
Aroclor-1268	ND		ug/Kg	5,100	1,900	100	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	68%		%REC	19-121		100	292053	06/28/22	07/07/22	TRN
Method: EPA 8260B Prep Method: METHOD										
3-Chloropropene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,200	2500	292638	07/07/22	07/11/22	ILK
Isopropyl Ether (DIPE)	ND		ug/Kg	13,000	3,300	2500	292638	07/07/22	07/11/22	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	13,000	3,800	2500	292638	07/07/22	07/11/22	ILK
tert-Butyl Alcohol (TBA)	ND		ug/Kg	25,000	22,000	2500	292638	07/07/22	07/11/22	ILK
Freon 12	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Chloromethane	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Vinyl Chloride	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Bromomethane	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Chloroethane	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Trichlorofluoromethane	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Acetone	ND		ug/Kg	250,000	27,000	2500	292638	07/07/22	07/11/22	ILK
Freon 113	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethene	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Methylene Chloride	ND		ug/Kg	13,000	4,600	2500	292638	07/07/22	07/11/22	ILK
MTBE	ND		ug/Kg	13,000	3,500	2500	292638	07/07/22	07/11/22	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethane	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
2-Butanone	ND		ug/Kg	250,000	22,000	2500	292638	07/07/22	07/11/22	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
2,2-Dichloropropane	ND		ug/Kg	13,000	1,400	2500	292638	07/07/22	07/11/22	ILK
Chloroform	ND		ug/Kg	13,000	10,000	2500	292638	07/07/22	07/11/22	ILK
Bromochloromethane	ND		ug/Kg	13,000	4,500	2500	292638	07/07/22	07/11/22	ILK
1,1,1-Trichloroethane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloropropene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
Carbon Tetrachloride	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane	ND		ug/Kg	13,000	4,000	2500	292638	07/07/22	07/11/22	ILK
Benzene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Trichloroethene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloropropane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Bromodichloromethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Dibromomethane	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	13,000	6,800	2500	292638	07/07/22	07/11/22	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Toluene	ND		ug/Kg	13,000	2,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1,2-Trichloroethane	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichloropropane	ND		ug/Kg	13,000	3,100	2500	292638	07/07/22	07/11/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464924

464924-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Dibromochloromethane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromoethane	ND		ug/Kg	13,000	3,200	2500	292638	07/07/22	07/11/22	ILK
Chlorobenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Ethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
m,p-Xylenes	ND		ug/Kg	25,000	4,300	2500	292638	07/07/22	07/11/22	ILK
o-Xylene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Styrene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Bromoform	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Isopropylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichloropropane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Propylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
Bromobenzene	ND		ug/Kg	13,000	2,300	2500	292638	07/07/22	07/11/22	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
2-Chlorotoluene	ND		ug/Kg	13,000	1,600	2500	292638	07/07/22	07/11/22	ILK
4-Chlorotoluene	ND		ug/Kg	13,000	1,500	2500	292638	07/07/22	07/11/22	ILK
tert-Butylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
sec-Butylbenzene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
para-Isopropyl Toluene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,4-Dichlorobenzene	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
n-Butylbenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichlorobenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Hexachlorobutadiene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Naphthalene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
Xylene (total)	ND		ug/Kg	13,000		2500	292638	07/07/22	07/11/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145	5,000	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane-d4	85%		%REC	70-145	8,900	2500	292638	07/07/22	07/11/22	ILK
Toluene-d8	97%		%REC	70-145	4,800	2500	292638	07/07/22	07/11/22	ILK
Bromofluorobenzene	93%		%REC	70-145		2500	292638	07/07/22	07/11/22	ILK

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997459**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.6	06/28/22	06/29/22
Arsenic	ND		mg/Kg	1.0	0.67	06/28/22	06/29/22
Barium	ND		mg/Kg	1.0	0.10	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.50	0.11	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.50	0.075	06/28/22	06/29/22
Chromium	ND		mg/Kg	1.0	0.21	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.50	0.068	06/28/22	06/29/22
Copper	ND		mg/Kg	1.0	0.60	06/28/22	06/29/22
Lead	ND		mg/Kg	1.0	0.84	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	1.0	0.59	06/28/22	06/29/22
Nickel	ND		mg/Kg	1.0	0.26	06/28/22	06/29/22
Selenium	ND		mg/Kg	3.0	0.40	06/28/22	06/29/22
Silver	ND		mg/Kg	0.50	0.16	06/28/22	06/29/22
Thallium	ND		mg/Kg	3.0	0.58	06/28/22	06/29/22
Vanadium	ND		mg/Kg	1.0	0.43	06/28/22	06/29/22
Zinc	ND		mg/Kg	5.0	0.75	06/28/22	06/29/22

Type: Lab Control Sample	**Lab ID: QC997460**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	105.1	100.0	mg/Kg	105%		80-120
Arsenic	106.5	100.0	mg/Kg	106%		80-120
Barium	107.1	100.0	mg/Kg	107%		80-120
Beryllium	111.7	100.0	mg/Kg	112%		80-120
Cadmium	105.0	100.0	mg/Kg	105%		80-120
Chromium	105.2	100.0	mg/Kg	105%		80-120
Cobalt	109.4	100.0	mg/Kg	109%		80-120
Copper	105.5	100.0	mg/Kg	105%		80-120
Lead	109.0	100.0	mg/Kg	109%		80-120
Molybdenum	107.2	100.0	mg/Kg	107%		80-120
Nickel	109.3	100.0	mg/Kg	109%		80-120
Selenium	93.35	100.0	mg/Kg	93%		80-120
Silver	53.50	50.00	mg/Kg	107%		80-120
Thallium	107.3	100.0	mg/Kg	107%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	107.3	100.0	mg/Kg	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC997461	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.84	ND	93.46	mg/Kg	22%	*	75-125	0.93
Arsenic	104.5	8.454	93.46	mg/Kg	103%		75-125	0.93
Barium	188.0	99.37	93.46	mg/Kg	95%		75-125	0.93
Beryllium	97.61	0.1191	93.46	mg/Kg	104%		75-125	0.93
Cadmium	98.49	5.773	93.46	mg/Kg	99%		75-125	0.93
Chromium	129.0	31.43	93.46	mg/Kg	104%		75-125	0.93
Cobalt	93.43	6.169	93.46	mg/Kg	93%		75-125	0.93
Copper	109.2	16.85	93.46	mg/Kg	99%		75-125	0.93
Lead	92.20	2.640	93.46	mg/Kg	96%		75-125	0.93
Molybdenum	95.01	7.478	93.46	mg/Kg	94%		75-125	0.93
Nickel	119.4	36.08	93.46	mg/Kg	89%		75-125	0.93
Selenium	84.89	0.7817	93.46	mg/Kg	90%		75-125	0.93
Silver	47.17	ND	46.73	mg/Kg	101%		75-125	0.93
Thallium	94.12	ND	93.46	mg/Kg	101%		75-125	0.93
Vanadium	182.3	64.71	93.46	mg/Kg	126%	*	75-125	0.93
Zinc	154.4	64.79	93.46	mg/Kg	96%		75-125	0.93

Type:	Matrix Spike Duplicate	Lab ID:	QC997462	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.44	ND	90.91	mg/Kg	42%	*	75-125	62*	41	0.91
Arsenic	102.5	8.454	90.91	mg/Kg	103%		75-125	1	35	0.91
Barium	198.6	99.37	90.91	mg/Kg	109%		75-125	7	20	0.91
Beryllium	94.80	0.1191	90.91	mg/Kg	104%		75-125	0	20	0.91
Cadmium	98.13	5.773	90.91	mg/Kg	102%		75-125	2	20	0.91
Chromium	127.8	31.43	90.91	mg/Kg	106%		75-125	1	20	0.91
Cobalt	90.69	6.169	90.91	mg/Kg	93%		75-125	0	20	0.91
Copper	106.7	16.85	90.91	mg/Kg	99%		75-125	0	20	0.91
Lead	90.27	2.640	90.91	mg/Kg	96%		75-125	1	20	0.91
Molybdenum	97.33	7.478	90.91	mg/Kg	99%		75-125	5	20	0.91
Nickel	114.3	36.08	90.91	mg/Kg	86%		75-125	2	20	0.91
Selenium	83.17	0.7817	90.91	mg/Kg	91%		75-125	1	20	0.91
Silver	46.45	ND	45.45	mg/Kg	102%		75-125	1	20	0.91
Thallium	91.07	ND	90.91	mg/Kg	100%		75-125	1	20	0.91
Vanadium	183.1	64.71	90.91	mg/Kg	130%	*	75-125	2	20	0.91
Zinc	149.9	64.79	90.91	mg/Kg	94%		75-125	1	20	0.91

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC997558	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997558 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.039	06/28/22	06/28/22

Type: Lab Control Sample	Lab ID: QC997559	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997559 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7525	0.8333	mg/Kg	90%		80-120

Type: Matrix Spike	Lab ID: QC997560	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8170	0.04292	0.8475	mg/Kg	91%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC997561	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9248	0.04292	0.9615	mg/Kg	92%		75-125	0	20	1.2

Type: Blank	Lab ID: QC997725	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997725 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	200	48	06/29/22	06/29/22
DRO C10-C28	ND		mg/Kg	200	48	06/29/22	06/29/22
ORO C28-C44	70	J	mg/Kg	400	48	06/29/22	06/29/22
Surrogates				**Limits**			
n-Triacontane	113%		%REC	70-130		06/29/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997726	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	4,074	5000	mg/Kg	81%		76-122
Surrogates						
n-Triacontane	216.9	200.0	mg/Kg	108%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC997727**	**Batch:**	**292101**
Matrix:	**Miscell.**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580**

QC997727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	4,148	5000	mg/Kg	83%		76-122	2	20
Surrogates								
n-Triacontane	213.0	200.0	mg/Kg	106%		70-130		

Type:	**Blank**	**Lab ID:**	**QC997568**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC997568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	500	110	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	500	320	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	500	83	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	500	330	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	500	370	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	500	170	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	500	98	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	500	46	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	500	180	06/28/22	07/07/22
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	67%		%REC	19-121		06/28/22	07/07/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC999116**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3,267	5000	ug/Kg	65%		14-150
Aroclor-1260	3,472	5000	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	263.6	500.0	ug/Kg	53%		19-121

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC999117**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3,703	5000	ug/Kg	74%		14-150	13	20
Aroclor-1260	4,105	5000	ug/Kg	82%		10-150	17	20
Surrogates								
Decachlorobiphenyl (PCB)	338.6	500.0	ug/Kg	68%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999449	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	8.8	07/07/22	07/11/22
Freon 12	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Acetone	ND		ug/Kg	100	25	07/07/22	07/11/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	100	3.2	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.9	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22

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Batch QC

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	10	0.8	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	5.0		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		07/07/22	07/11/22
1,2-Dichloroethane-d4	90%		%REC	70-145		07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/11/22
Bromofluorobenzene	90%		%REC	70-145		07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC999450	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.81	50.00	ug/Kg	88%		70-131
MTBE	38.86	50.00	ug/Kg	78%		69-130
Benzene	44.21	50.00	ug/Kg	88%		70-130
Trichloroethene	47.94	50.00	ug/Kg	96%		70-130
Toluene	44.78	50.00	ug/Kg	90%		70-130
Chlorobenzene	46.20	50.00	ug/Kg	92%		70-130
Surrogates						
Dibromofluoromethane	53.55	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	43.44	50.00	ug/Kg	87%		70-145
Toluene-d8	48.56	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	47.74	50.00	ug/Kg	95%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC999451	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.67	50.00	ug/Kg	89%		70-131	2	33
MTBE	42.01	50.00	ug/Kg	84%		69-130	8	30
Benzene	45.64	50.00	ug/Kg	91%		70-130	3	30
Trichloroethene	48.39	50.00	ug/Kg	97%		70-130	1	30
Toluene	45.24	50.00	ug/Kg	90%		70-130	1	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.54	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	43.32	50.00	ug/Kg	87%		70-145		
Toluene-d8	49.30	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	47.95	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999452	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	47	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	110	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	100	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	500	440	07/07/22	07/11/22
Freon 12	ND		ug/Kg	250	57	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	250	34	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	250	41	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	250	48	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	250	20	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/11/22
Acetone	ND		ug/Kg	5,000	530	07/07/22	07/11/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	250	91	07/07/22	07/11/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	5,000	430	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/11/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/11/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	250	140	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/11/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	500	86	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/11/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/11/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	250		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130	100	07/07/22	07/11/22
1,2-Dichloroethane-d4	89%		%REC	70-145	180	07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145	96	07/07/22	07/11/22
Bromofluorobenzene	92%		%REC	70-145		07/07/22	07/11/22

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

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Lab Job Number: 465693
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	465693 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
SUMP 1	465693-001	06/27/22 11:40	Miscell.

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 465693 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one miscell. sample, requested for the above referenced project on 07/13/22. The sample was received intact.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464924

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	SUMP 1	6-27-22	1140	S	4oz		X	X	X	X	PLEASE ADD NAPTHALENE AND OXYGENATES TO VOC ANALYSIS
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1550
[1] Received By:			FEDEX	6/28/22 1556
[2] Relinquished By:				
[2] Received By:		Edeno Sylvestre	EA	6/27/22 / 6/28/22
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS Project: Limited Phase II SI

Date Received: 6/27/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Olena Sobolenko Date: 6/27/22

Jim Lin

From: Scott Grasse <SGrasse@citadelehs.com> on behalf of Scott Grasse
Sent: Wednesday, July 13, 2022 10:12 AM
To: Jim.lin@enthalpy.com
Subject: [EXTERNAL] RE: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464924)

Jim,

Please proceed with the following additional analyses for the Sump sample:

STLC Copper
STLC Lead
STLC Chromium

Scott Grasse, PG, MSc
Project Geologist
CITADEL EHS
assess • resolve • strengthen
Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
www.CitadelEHS.com
Glendale | Irvine | Valencia | Long Beach | Oakland | San Diego

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From: Jim Lin <Jim.lin@enthalpy.com>
Sent: Tuesday, July 12, 2022 10:46 AM
To: Scott Grasse <SGrasse@citadelehs.com>
Subject: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464924)

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Scott,

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Please find attached the following files:
• PDF Deliverable
• Standard Pivot Table EDD (464924.xls)

Email was also sent to: jim.lin@enthalpy.com

Jim Lin
Service Center Manager

931 W. Barkley Ave., Orange, CA 92868
O: 714-771-6900 M: 818-319-2359
Jim.Lin@enthalpy.com

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ENTHALPY ANALYTICAL

Analysis Results for 465693

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 465693
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: SUMP 1 **Lab ID: 465693-001** **Collected: 06/27/22 11:40**
Matrix: WET Leachate

465693-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Chromium	**0.40**		mg/L	0.30	0.020	10	293199	07/18/22	07/19/22	KLN
Copper	**0.47**		mg/L	0.30	0.080	10	293199	07/18/22	07/19/22	KLN
Lead	**0.078**	J	mg/L	0.15	0.070	10	293199	07/18/22	07/19/22	KLN

J Estimated value

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1001168**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001168 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.020	07/18/22	07/19/22
Copper	ND		mg/L	0.30	0.080	07/18/22	07/19/22
Lead	ND		mg/L	0.15	0.070	07/18/22	07/19/22

Type: Lab Control Sample	**Lab ID: QC1001169**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chromium	4.157	4.000	mg/L	104%		80-120
Copper	4.116	4.000	mg/L	103%		80-120
Lead	3.968	4.000	mg/L	99%		80-120

Type: Lab Control Sample Duplicate	**Lab ID: QC1001170**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001170 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Chromium	4.223	4.000	mg/L	106%		80-120	2	20
Copper	4.177	4.000	mg/L	104%		80-120	1	20
Lead	4.102	4.000	mg/L	103%		80-120	3	20

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464923
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	464923 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
WOT1	464923-001	06/27/22 09:30	Oil
UST2	464923-002	06/27/22 09:58	Oil
UST3	464923-003	06/27/22 11:35	Oil
UST4	464923-004	06/27/22 10:30	Oil
DISPOSE	464923-005	06/27/22 00:00	Oil

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 464923 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for four oil samples, requested for the above referenced project on 06/27/22. The samples were received intact.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 292101; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- Response exceeding the instrument's linear range was observed for 1,2,4-trimethylbenzene in UST3 (lab # 464923-003); affected data was qualified with "E".
- No other analytical problems were encountered.

PCBs (EPA 8082):

- A number of samples were diluted due to the dark and viscous nature of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD for batch 292010; the parent sample was not a project sample. High recoveries were observed for vanadium; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. High RPD was observed for antimony; this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 460423

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B + NAPHTHALENE + OXYGENATES	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB'S 8082	Test Instructions / Comments
1	VOT1	6-27-22	0930	O	40z		X	X	X	X	PLEASE ADD NAPHTHALENE AND OXYGENATES TO VOC ANALYSIS.
2	VST2	6-27-22	0958	O	40z		X	X	X	X	
3	VST3	6-27-22	1135	O	40z		X	X	X	X	
4	VST4	6-27-22	1030	O	40z		X	X	X	X	
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 1550
1 Received By:			EA	6/27/22 1556
2 Relinquished By:				
2 Received By:			E.A.	6/27/22 6/28/22
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS

Project: Limited Phase II SI

Date Received: 6/27/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 6/27/22

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www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 464923

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 464923
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: WOT1 **Lab ID: 464923-001** **Collected: 06/27/22 09:30**

464923-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	6.0	3.2	Oil	2	292010	06/28/22	06/29/22	KLN
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22	KLN
Barium	**16**		mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	1.0	0.22	Oil	2	292010	06/28/22	06/29/22	KLN
Cadmium	**0.16**	J	mg/Kg	1.0	0.15	Oil	2	292010	06/28/22	06/29/22	KLN
Chromium	**1.2**	J	mg/Kg	2.0	0.42	Oil	2	292010	06/28/22	06/29/22	KLN
Cobalt	ND		mg/Kg	1.0	0.14	Oil	2	292010	06/28/22	06/29/22	KLN
Copper	**7.1**		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Lead	**220**		mg/Kg	2.0	1.7	Oil	2	292010	06/28/22	06/29/22	KLN
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Nickel	ND		mg/Kg	2.0	0.52	Oil	2	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	6.0	0.80	Oil	2	292010	06/28/22	06/29/22	KLN
Silver	ND		mg/Kg	1.0	0.32	Oil	2	292010	06/28/22	06/29/22	KLN
Thallium	ND		mg/Kg	6.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Vanadium	ND		mg/Kg	2.0	0.86	Oil	2	292010	06/28/22	06/29/22	KLN
Zinc	**280**		mg/Kg	10	1.5	Oil	2	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.045	Oil	1.2	292098	06/28/22	06/29/22	ECM
Method: EPA 8015M Prep Method: EPA 3580											
GRO C8-C10	ND		mg/Kg	200	47	Miscell.	20	292101	06/29/22	06/29/22	TJW
DRO C10-C28	**470**		mg/Kg	200	47	Miscell.	20	292101	06/29/22	06/29/22	TJW
ORO C28-C44	**260**	B,J	mg/Kg	390	47	Miscell.	20	292101	06/29/22	06/29/22	TJW
Surrogates				**Limits**							
n-Triacontane	112%		%REC	70-130		Miscell.	20	292101	06/29/22	06/29/22	TJW
Method: EPA 8082 Prep Method: EPA 3580											
Aroclor-1016	ND		ug/Kg	50,000	10,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	50,000	32,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	50,000	8,200	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	50,000	33,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	50,000	37,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	50,000	17,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	50,000	9,700	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1262	ND		ug/Kg	50,000	4,500	Oil	99	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1268	ND		ug/Kg	50,000	18,000	Oil	99	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	99	292053	06/28/22	07/07/22	TRN
Method: EPA 8260B Prep Method: METHOD											
Freon 12	ND		ug/Kg	2,500	280	Oil	250	292638	07/07/22	07/11/22	LXR
tert-Butyl Alcohol (TBA)	ND		ug/Kg	25,000	2,200	Oil	250	292638	07/07/22	07/11/22	LXR
Chloromethane	ND		ug/Kg	2,500	170	Oil	250	292638	07/07/22	07/11/22	LXR
Isopropyl Ether (DIPE)	ND		ug/Kg	1,300	330	Oil	250	292638	07/07/22	07/11/22	LXR
Vinyl Chloride	ND		ug/Kg	2,500	200	Oil	250	292638	07/07/22	07/11/22	LXR
Bromomethane	ND		ug/Kg	2,500	240	Oil	250	292638	07/07/22	07/11/22	LXR
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	1,300	340	Oil	250	292638	07/07/22	07/11/22	LXR
Chloroethane	ND		ug/Kg	2,500	100	Oil	250	292638	07/07/22	07/11/22	LXR
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	1,300	380	Oil	250	292638	07/07/22	07/11/22	LXR
Trichlorofluoromethane	ND		ug/Kg	1,300	120	Oil	250	292638	07/07/22	07/11/22	LXR
Acetone	ND		ug/Kg	5,000	2,700	Oil	250	292638	07/07/22	07/11/22	LXR
Freon 113	ND		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
1,1-Dichloroethene	ND		ug/Kg	1,300	100	Oil	250	292638	07/07/22	07/11/22	LXR
Methylene Chloride	ND		ug/Kg	5,000	460	Oil	250	292638	07/07/22	07/11/22	LXR
Carbon Disulfide	ND		ug/Kg	1,300	110	Oil	250	292638	07/07/22	07/11/22	LXR
MTBE	ND		ug/Kg	1,300	350	Oil	250	292638	07/07/22	07/11/22	LXR
trans-1,2-Dichloroethene	ND		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
1,1-Dichloroethane	ND		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
2-Butanone	ND		ug/Kg	2,500	2,200	Oil	250	292638	07/07/22	07/11/22	LXR
cis-1,2-Dichloroethene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
2,2-Dichloropropane	ND		ug/Kg	1,300	140	Oil	250	292638	07/07/22	07/11/22	LXR
Chloroform	ND		ug/Kg	1,300	1,000	Oil	250	292638	07/07/22	07/11/22	LXR
Bromochloromethane	ND		ug/Kg	1,300	450	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,1-Trichloroethane	ND		ug/Kg	1,300	200	Oil	250	292638	07/07/22	07/11/22	LXR
1,1-Dichloropropene	ND		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
Carbon Tetrachloride	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichloroethane	ND		ug/Kg	1,300	400	Oil	250	292638	07/07/22	07/11/22	LXR
Benzene	**300**	J	ug/Kg	1,300	240	Oil	250	292638	07/07/22	07/11/22	LXR
Trichloroethene	ND		ug/Kg	1,300	290	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichloropropane	ND		ug/Kg	1,300	280	Oil	250	292638	07/07/22	07/11/22	LXR
Bromodichloromethane	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
Dibromomethane	ND		ug/Kg	1,300	290	Oil	250	292638	07/07/22	07/11/22	LXR
4-Methyl-2-Pentanone	ND		ug/Kg	2,500	680	Oil	250	292638	07/07/22	07/11/22	LXR
cis-1,3-Dichloropropene	ND		ug/Kg	1,300	120	Oil	250	292638	07/07/22	07/11/22	LXR
Toluene	**6,600**		ug/Kg	1,300	260	Oil	250	292638	07/07/22	07/11/22	LXR
trans-1,3-Dichloropropene	ND		ug/Kg	1,300	200	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,2-Trichloroethane	ND		ug/Kg	1,300	340	Oil	250	292638	07/07/22	07/11/22	LXR
2-Hexanone	ND		ug/Kg	2,500	1,100	Oil	250	292638	07/07/22	07/11/22	LXR
1,3-Dichloropropane	ND		ug/Kg	1,300	310	Oil	250	292638	07/07/22	07/11/22	LXR
Tetrachloroethene	ND		ug/Kg	1,300	170	Oil	250	292638	07/07/22	07/11/22	LXR
Dibromochloromethane	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	1,300	320	Oil	250	292638	07/07/22	07/11/22	LXR
Chlorobenzene	ND		ug/Kg	1,300	280	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,1,2-Tetrachloroethane	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
Ethylbenzene	**5,800**		ug/Kg	1,300	210	Oil	250	292638	07/07/22	07/11/22	LXR
m,p-Xylenes	**31,000**		ug/Kg	1,300	430	Oil	250	292638	07/07/22	07/11/22	LXR
o-Xylene	**15,000**		ug/Kg	1,300	240	Oil	250	292638	07/07/22	07/11/22	LXR
Styrene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
Bromoform	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
Isopropylbenzene	**1,200**	J	ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,2,2-Tetrachloroethane	ND		ug/Kg	1,300	280	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,3-Trichloropropane	ND		ug/Kg	1,300	200	Oil	250	292638	07/07/22	07/11/22	LXR
Propylbenzene	**4,900**		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
Bromobenzene	ND		ug/Kg	1,300	230	Oil	250	292638	07/07/22	07/11/22	LXR
1,3,5-Trimethylbenzene	**15,000**		ug/Kg	1,300	210	Oil	250	292638	07/07/22	07/11/22	LXR
2-Chlorotoluene	ND		ug/Kg	1,300	160	Oil	250	292638	07/07/22	07/11/22	LXR
4-Chlorotoluene	ND		ug/Kg	1,300	150	Oil	250	292638	07/07/22	07/11/22	LXR
tert-Butylbenzene	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,4-Trimethylbenzene	**55,000**		ug/Kg	2,500	560	Oil	500	292598	07/07/22	07/09/22	LXR
sec-Butylbenzene	**1,300**		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
para-Isopropyl Toluene	**1,400**		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
1,3-Dichlorobenzene	ND		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
1,4-Dichlorobenzene	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
n-Butylbenzene	**2,500**		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichlorobenzene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,4-Trichlorobenzene	ND		ug/Kg	1,300	170	Oil	250	292638	07/07/22	07/11/22	LXR
Hexachlorobutadiene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
Naphthalene	**27,000**		ug/Kg	1,300	290	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,3-Trichlorobenzene	ND		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
Surrogates				**Limits**							
Dibromofluoromethane	89%		%REC	70-145	500	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichloroethane-d4	85%		%REC	70-145	890	Oil	250	292638	07/07/22	07/11/22	LXR
Toluene-d8	98%		%REC	70-145	480	Oil	250	292638	07/07/22	07/11/22	LXR
Bromofluorobenzene	89%		%REC	70-145		Oil	250	292638	07/07/22	07/11/22	LXR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

Sample ID: UST2	Lab ID: 464923-002	Collected: 06/27/22 09:58

464923-002 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	5.9	3.1	Oil	2	292010	06/28/22	06/29/22
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22
Barium	ND		mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.98	0.22	Oil	2	292010	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.98	0.15	Oil	2	292010	06/28/22	06/29/22
Chromium	ND		mg/Kg	2.0	0.41	Oil	2	292010	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.98	0.13	Oil	2	292010	06/28/22	06/29/22
Copper	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Lead	**900**		mg/Kg	2.0	1.6	Oil	2	292010	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Nickel	ND		mg/Kg	2.0	0.51	Oil	2	292010	06/28/22	06/29/22
Selenium	ND		mg/Kg	5.9	0.78	Oil	2	292010	06/28/22	06/29/22
Silver	ND		mg/Kg	0.98	0.31	Oil	2	292010	06/28/22	06/29/22
Thallium	ND		mg/Kg	5.9	1.1	Oil	2	292010	06/28/22	06/29/22
Vanadium	ND		mg/Kg	2.0	0.84	Oil	2	292010	06/28/22	06/29/22
Zinc	**2.4**	J	mg/Kg	9.8	1.5	Oil	2	292010	06/28/22	06/29/22
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.047	Oil	1.2	292098	06/28/22	06/29/22
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	**560,000**		mg/Kg	10,000	1,600	Miscell.	1000	292101	06/29/22	07/06/22
DRO C10-C28	**350,000**		mg/Kg	10,000	1,600	Miscell.	1000	292101	06/29/22	07/06/22
ORO C28-C44	**3,800**	J	mg/Kg	20,000	1,600	Miscell.	1000	292101	06/29/22	07/06/22
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		Miscell.	1000	292101	06/29/22	07/06/22
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	50,000	10,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	50,000	32,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	50,000	8,200	Oil	99	292053	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	50,000	33,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	50,000	37,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	50,000	17,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	50,000	9,700	Oil	99	292053	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	50,000	4,500	Oil	99	292053	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	50,000	18,000	Oil	99	292053	06/28/22	07/07/22
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	99	292053	06/28/22	07/07/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-002 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 8260B Prep Method: METHOD										
Freon 12	ND		ug/Kg	10,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100,000,000	8,800,000	Oil	1000000	292480	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	10,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	10,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	10,000,000	960,000	Oil	1000000	292480	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	10,000,000	410,000	Oil	1000000	292480	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5,000,000	1,500,000	Oil	1000000	292480	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	5,000,000	470,000	Oil	1000000	292480	07/07/22	07/08/22
Acetone	ND		ug/Kg	20,000,000	11,000,000	Oil	1000000	292480	07/07/22	07/08/22
Freon 113	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	5,000,000	400,000	Oil	1000000	292480	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	20,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	5,000,000	430,000	Oil	1000000	292480	07/07/22	07/08/22
MTBE	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	5,000,000	880,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	10,000,000	8,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	5,000,000	550,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroform	ND		ug/Kg	5,000,000	4,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	5,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	5,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	5,000,000	1,600,000	Oil	1000000	292480	07/07/22	07/08/22
Benzene	**1,600,000**	J	ug/Kg	5,000,000	940,000	Oil	1000000	292480	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	10,000,000	2,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	5,000,000	490,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene	**21,000,000**		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	5,000,000	800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	10,000,000	4,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	5,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-002 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Dibromochloromethane	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Chlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Ethylbenzene	**9,000,000**		ug/Kg	5,000,000	850,000	Oil	1000000	292480	07/07/22	07/08/22
m,p-Xylenes	**36,000,000**		ug/Kg	5,000,000	1,700,000	Oil	1000000	292480	07/07/22	07/08/22
o-Xylene	**14,000,000**		ug/Kg	5,000,000	950,000	Oil	1000000	292480	07/07/22	07/08/22
Styrene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromoform	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropylbenzene	**890,000**	J	ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	5,000,000	790,000	Oil	1000000	292480	07/07/22	07/08/22
Propylbenzene	**3,900,000**	J	ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	5,000,000	910,000	Oil	1000000	292480	07/07/22	07/08/22
1,3,5-Trimethylbenzene	**7,700,000**		ug/Kg	5,000,000	830,000	Oil	1000000	292480	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	5,000,000	630,000	Oil	1000000	292480	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	5,000,000	610,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trimethylbenzene	**25,000,000**		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
sec-Butylbenzene	ND		ug/Kg	5,000,000	780,000	Oil	1000000	292480	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
n-Butylbenzene	**1,000,000**	J	ug/Kg	5,000,000	980,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	5,000,000	990,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Naphthalene	**3,300,000**	J	ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145	2,000,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane-d4	84%		%REC	70-145	3,500,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene-d8	95%		%REC	70-145	1,900,000	Oil	1000000	292480	07/07/22	07/08/22
Bromofluorobenzene	91%		%REC	70-145		Oil	1000000	292480	07/07/22	07/08/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

Sample ID: UST3	Lab ID: 464923-003	Collected: 06/27/22 11:35

464923-003 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	6.0	3.2	Oil	2	292010	06/28/22	06/29/22	KLN
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22	KLN
Barium	**0.90**	J	mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	1.0	0.22	Oil	2	292010	06/28/22	06/29/22	KLN
Cadmium	**0.20**	J	mg/Kg	1.0	0.15	Oil	2	292010	06/28/22	06/29/22	KLN
Chromium	**1.4**	J	mg/Kg	2.0	0.42	Oil	2	292010	06/28/22	06/29/22	KLN
Cobalt	**0.42**	J	mg/Kg	1.0	0.14	Oil	2	292010	06/28/22	06/29/22	KLN
Copper	**4.7**		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Lead	**6.1**		mg/Kg	2.0	1.7	Oil	2	292010	06/28/22	06/29/22	KLN
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Nickel	ND		mg/Kg	2.0	0.52	Oil	2	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	6.0	0.80	Oil	2	292010	06/28/22	06/29/22	KLN
Silver	ND		mg/Kg	1.0	0.32	Oil	2	292010	06/28/22	06/29/22	KLN
Thallium	ND		mg/Kg	6.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Vanadium	ND		mg/Kg	2.0	0.86	Oil	2	292010	06/28/22	06/29/22	KLN
Zinc	**290**		mg/Kg	10	1.5	Oil	2	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.043	Oil	1.1	292098	06/28/22	06/29/22	ECM
Method: EPA 8015M Prep Method: EPA 3580											
GRO C8-C10	**34,000**		mg/Kg	1,000	160	Miscell.	100	292101	06/29/22	07/08/22	MES
DRO C10-C28	**32,000**		mg/Kg	1,000	160	Miscell.	100	292101	06/29/22	07/08/22	MES
ORO C28-C44	**200**	B,J	mg/Kg	2,000	160	Miscell.	100	292101	06/29/22	07/08/22	MES
Surrogates				**Limits**							
n-Triacontane	120%		%REC	70-130		Miscell.	100	292101	06/29/22	07/08/22	MES
Method: EPA 8082 Prep Method: EPA 3580											
Aroclor-1016	ND		ug/Kg	49,000	10,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	49,000	32,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	49,000	8,100	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	49,000	32,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	49,000	36,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	49,000	17,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	49,000	9,600	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1262	ND		ug/Kg	49,000	4,500	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1268	ND		ug/Kg	49,000	18,000	Oil	98	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	98	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 464923

464923-003 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: METHOD											
Freon 12	ND		ug/Kg	100,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
tert-Butyl Alcohol (TBA)	ND		ug/Kg	1,000,000	88,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Chloromethane	ND		ug/Kg	100,000	6,800	Oil	10000	292598	07/07/22	07/09/22	LXR
Isopropyl Ether (DIPE)	ND		ug/Kg	50,000	13,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Vinyl Chloride	ND		ug/Kg	100,000	8,100	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromomethane	ND		ug/Kg	100,000	9,600	Oil	10000	292598	07/07/22	07/09/22	LXR
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	50,000	14,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Chloroethane	ND		ug/Kg	100,000	4,100	Oil	10000	292598	07/07/22	07/09/22	LXR
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	50,000	15,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Trichlorofluoromethane	ND		ug/Kg	50,000	4,700	Oil	10000	292598	07/07/22	07/09/22	LXR
Acetone	ND		ug/Kg	200,000	110,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Freon 113	ND		ug/Kg	50,000	7,500	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1-Dichloroethene	ND		ug/Kg	50,000	4,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Methylene Chloride	**56,000**	J	ug/Kg	200,000	18,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Carbon Disulfide	ND		ug/Kg	50,000	4,300	Oil	10000	292598	07/07/22	07/09/22	LXR
MTBE	ND		ug/Kg	50,000	14,000	Oil	10000	292598	07/07/22	07/09/22	LXR
trans-1,2-Dichloroethene	ND		ug/Kg	50,000	8,800	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1-Dichloroethane	ND		ug/Kg	50,000	7,500	Oil	10000	292598	07/07/22	07/09/22	LXR
2-Butanone	ND		ug/Kg	100,000	87,000	Oil	10000	292598	07/07/22	07/09/22	LXR
cis-1,2-Dichloroethene	ND		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
2,2-Dichloropropane	ND		ug/Kg	50,000	5,500	Oil	10000	292598	07/07/22	07/09/22	LXR
Chloroform	ND		ug/Kg	50,000	40,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromochloromethane	ND		ug/Kg	50,000	18,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,1-Trichloroethane	ND		ug/Kg	50,000	8,100	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1-Dichloropropene	ND		ug/Kg	50,000	7,500	Oil	10000	292598	07/07/22	07/09/22	LXR
Carbon Tetrachloride	ND		ug/Kg	50,000	7,200	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichloroethane	ND		ug/Kg	50,000	16,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Benzene	ND		ug/Kg	50,000	9,400	Oil	10000	292598	07/07/22	07/09/22	LXR
Trichloroethene	ND		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichloropropane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromodichloromethane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Dibromomethane	ND		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
4-Methyl-2-Pentanone	ND		ug/Kg	100,000	27,000	Oil	10000	292598	07/07/22	07/09/22	LXR
cis-1,3-Dichloropropene	ND		ug/Kg	50,000	4,900	Oil	10000	292598	07/07/22	07/09/22	LXR
Toluene	**820,000**		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
trans-1,3-Dichloropropene	ND		ug/Kg	50,000	8,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,2-Trichloroethane	ND		ug/Kg	50,000	14,000	Oil	10000	292598	07/07/22	07/09/22	LXR
2-Hexanone	ND		ug/Kg	100,000	42,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,3-Dichloropropane	ND		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Tetrachloroethene	ND		ug/Kg	50,000	6,800	Oil	10000	292598	07/07/22	07/09/22	LXR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 464923

464923-003 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/Kg	50,000	7,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dibromoethane	ND		ug/Kg	50,000	13,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Chlorobenzene	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,1,2-Tetrachloroethane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Ethylbenzene	**670,000**		ug/Kg	50,000	8,500	Oil	10000	292598	07/07/22	07/09/22	LXR
m,p-Xylenes	**3,200,000**		ug/Kg	50,000	17,000	Oil	10000	292598	07/07/22	07/09/22	LXR
o-Xylene	**1,300,000**		ug/Kg	50,000	9,500	Oil	10000	292598	07/07/22	07/09/22	LXR
Styrene	ND		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromoform	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Isopropylbenzene	**85,000**		ug/Kg	50,000	7,300	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,2,2-Tetrachloroethane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,3-Trichloropropane	ND		ug/Kg	50,000	7,900	Oil	10000	292598	07/07/22	07/09/22	LXR
Propylbenzene	**350,000**		ug/Kg	50,000	7,200	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromobenzene	ND		ug/Kg	50,000	9,100	Oil	10000	292598	07/07/22	07/09/22	LXR
1,3,5-Trimethylbenzene	**870,000**		ug/Kg	50,000	8,300	Oil	10000	292598	07/07/22	07/09/22	LXR
2-Chlorotoluene	ND		ug/Kg	50,000	6,300	Oil	10000	292598	07/07/22	07/09/22	LXR
4-Chlorotoluene	ND		ug/Kg	50,000	6,100	Oil	10000	292598	07/07/22	07/09/22	LXR
tert-Butylbenzene	ND		ug/Kg	50,000	7,200	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,4-Trimethylbenzene	**3,000,000**	E	ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
sec-Butylbenzene	**51,000**		ug/Kg	50,000	7,800	Oil	10000	292598	07/07/22	07/09/22	LXR
para-Isopropyl Toluene	**29,000**	J	ug/Kg	50,000	8,900	Oil	10000	292598	07/07/22	07/09/22	LXR
1,3-Dichlorobenzene	ND		ug/Kg	50,000	8,900	Oil	10000	292598	07/07/22	07/09/22	LXR
1,4-Dichlorobenzene	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
n-Butylbenzene	**220,000**		ug/Kg	50,000	9,800	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichlorobenzene	ND		ug/Kg	50,000	9,900	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	50,000	7,300	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,4-Trichlorobenzene	ND		ug/Kg	50,000	7,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Hexachlorobutadiene	ND		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Naphthalene	**580,000**		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,3-Trichlorobenzene	ND		ug/Kg	50,000	8,900	Oil	10000	292598	07/07/22	07/09/22	LXR
Surrogates				**Limits**							
Dibromofluoromethane	99%		%REC	70-145	20,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichloroethane-d4	84%		%REC	70-145	35,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Toluene-d8	99%		%REC	70-145	19,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromofluorobenzene	92%		%REC	70-145		Oil	10000	292598	07/07/22	07/09/22	LXR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

Sample ID: UST4	Lab ID: 464923-004	Collected: 06/27/22 10:30

464923-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	6.0	3.2	Oil	2	292010	06/28/22	06/29/22
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22
Barium	**1.1**	J	mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22
Beryllium	ND		mg/Kg	1.0	0.22	Oil	2	292010	06/28/22	06/29/22
Cadmium	ND		mg/Kg	1.0	0.15	Oil	2	292010	06/28/22	06/29/22
Chromium	ND		mg/Kg	2.0	0.42	Oil	2	292010	06/28/22	06/29/22
Cobalt	ND		mg/Kg	1.0	0.14	Oil	2	292010	06/28/22	06/29/22
Copper	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Lead	**6.1**		mg/Kg	2.0	1.7	Oil	2	292010	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Nickel	ND		mg/Kg	2.0	0.52	Oil	2	292010	06/28/22	06/29/22
Selenium	ND		mg/Kg	6.0	0.80	Oil	2	292010	06/28/22	06/29/22
Silver	ND		mg/Kg	1.0	0.32	Oil	2	292010	06/28/22	06/29/22
Thallium	ND		mg/Kg	6.0	1.2	Oil	2	292010	06/28/22	06/29/22
Vanadium	ND		mg/Kg	2.0	0.86	Oil	2	292010	06/28/22	06/29/22
Zinc	**5.3**	J	mg/Kg	10	1.5	Oil	2	292010	06/28/22	06/29/22
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.045	Oil	1.2	292098	06/28/22	06/29/22
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	**710,000**		mg/Kg	9,900	1,600	Miscell.	990	292101	06/29/22	07/06/22
DRO C10-C28	**320,000**		mg/Kg	9,900	1,600	Miscell.	990	292101	06/29/22	07/06/22
ORO C28-C44	**3,700**	J	mg/Kg	20,000	1,600	Miscell.	990	292101	06/29/22	07/06/22
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		Miscell.	990	292101	06/29/22	07/06/22
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	50,000	10,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	50,000	32,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	50,000	8,200	Oil	99	292053	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	50,000	33,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	50,000	37,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	50,000	17,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	50,000	9,700	Oil	99	292053	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	50,000	4,500	Oil	99	292053	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	50,000	18,000	Oil	99	292053	06/28/22	07/07/22
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	99	292053	06/28/22	07/07/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 8260B Prep Method: METHOD										
Freon 12	ND		ug/Kg	10,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100,000,000	8,800,000	Oil	1000000	292480	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	10,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	10,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	10,000,000	960,000	Oil	1000000	292480	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	10,000,000	410,000	Oil	1000000	292480	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5,000,000	1,500,000	Oil	1000000	292480	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	5,000,000	470,000	Oil	1000000	292480	07/07/22	07/08/22
Acetone	ND		ug/Kg	20,000,000	11,000,000	Oil	1000000	292480	07/07/22	07/08/22
Freon 113	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	5,000,000	400,000	Oil	1000000	292480	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	20,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	5,000,000	430,000	Oil	1000000	292480	07/07/22	07/08/22
MTBE	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	5,000,000	880,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	10,000,000	8,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	5,000,000	550,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroform	ND		ug/Kg	5,000,000	4,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	5,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	5,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	5,000,000	1,600,000	Oil	1000000	292480	07/07/22	07/08/22
Benzene	ND		ug/Kg	5,000,000	940,000	Oil	1000000	292480	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	10,000,000	2,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	5,000,000	490,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene	**32,000,000**		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	5,000,000	800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	10,000,000	4,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	5,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Dibromochloromethane	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Chlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Ethylbenzene	**8,300,000**		ug/Kg	5,000,000	850,000	Oil	1000000	292480	07/07/22	07/08/22
m,p-Xylenes	**74,000,000**		ug/Kg	5,000,000	1,700,000	Oil	1000000	292480	07/07/22	07/08/22
o-Xylene	**27,000,000**		ug/Kg	5,000,000	950,000	Oil	1000000	292480	07/07/22	07/08/22
Styrene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromoform	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropylbenzene	**1,500,000**	J	ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	5,000,000	790,000	Oil	1000000	292480	07/07/22	07/08/22
Propylbenzene	**5,400,000**		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	5,000,000	910,000	Oil	1000000	292480	07/07/22	07/08/22
1,3,5-Trimethylbenzene	**15,000,000**		ug/Kg	5,000,000	830,000	Oil	1000000	292480	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	5,000,000	630,000	Oil	1000000	292480	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	5,000,000	610,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trimethylbenzene	**44,000,000**		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
sec-Butylbenzene	**960,000**	J	ug/Kg	5,000,000	780,000	Oil	1000000	292480	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
n-Butylbenzene	**2,200,000**	J	ug/Kg	5,000,000	980,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	5,000,000	990,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Naphthalene	**5,700,000**		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145	2,000,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane-d4	86%		%REC	70-145	3,500,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene-d8	100%		%REC	70-145	1,900,000	Oil	1000000	292480	07/07/22	07/08/22
Bromofluorobenzene	96%		%REC	70-145		Oil	1000000	292480	07/07/22	07/08/22

B Contamination found in associated Method Blank
DO Diluted Out
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997459**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.6	06/28/22	06/29/22
Arsenic	ND		mg/Kg	1.0	0.67	06/28/22	06/29/22
Barium	ND		mg/Kg	1.0	0.10	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.50	0.11	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.50	0.075	06/28/22	06/29/22
Chromium	ND		mg/Kg	1.0	0.21	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.50	0.068	06/28/22	06/29/22
Copper	ND		mg/Kg	1.0	0.60	06/28/22	06/29/22
Lead	ND		mg/Kg	1.0	0.84	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	1.0	0.59	06/28/22	06/29/22
Nickel	ND		mg/Kg	1.0	0.26	06/28/22	06/29/22
Selenium	ND		mg/Kg	3.0	0.40	06/28/22	06/29/22
Silver	ND		mg/Kg	0.50	0.16	06/28/22	06/29/22
Thallium	ND		mg/Kg	3.0	0.58	06/28/22	06/29/22
Vanadium	ND		mg/Kg	1.0	0.43	06/28/22	06/29/22
Zinc	ND		mg/Kg	5.0	0.75	06/28/22	06/29/22

Type: Lab Control Sample	**Lab ID: QC997460**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	105.1	100.0	mg/Kg	105%		80-120
Arsenic	106.5	100.0	mg/Kg	106%		80-120
Barium	107.1	100.0	mg/Kg	107%		80-120
Beryllium	111.7	100.0	mg/Kg	112%		80-120
Cadmium	105.0	100.0	mg/Kg	105%		80-120
Chromium	105.2	100.0	mg/Kg	105%		80-120
Cobalt	109.4	100.0	mg/Kg	109%		80-120
Copper	105.5	100.0	mg/Kg	105%		80-120
Lead	109.0	100.0	mg/Kg	109%		80-120
Molybdenum	107.2	100.0	mg/Kg	107%		80-120
Nickel	109.3	100.0	mg/Kg	109%		80-120
Selenium	93.35	100.0	mg/Kg	93%		80-120
Silver	53.50	50.00	mg/Kg	107%		80-120
Thallium	107.3	100.0	mg/Kg	107%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	107.3	100.0	mg/Kg	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC997461	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.84	ND	93.46	mg/Kg	22%	*	75-125	0.93
Arsenic	104.5	8.454	93.46	mg/Kg	103%		75-125	0.93
Barium	188.0	99.37	93.46	mg/Kg	95%		75-125	0.93
Beryllium	97.61	0.1191	93.46	mg/Kg	104%		75-125	0.93
Cadmium	98.49	5.773	93.46	mg/Kg	99%		75-125	0.93
Chromium	129.0	31.43	93.46	mg/Kg	104%		75-125	0.93
Cobalt	93.43	6.169	93.46	mg/Kg	93%		75-125	0.93
Copper	109.2	16.85	93.46	mg/Kg	99%		75-125	0.93
Lead	92.20	2.640	93.46	mg/Kg	96%		75-125	0.93
Molybdenum	95.01	7.478	93.46	mg/Kg	94%		75-125	0.93
Nickel	119.4	36.08	93.46	mg/Kg	89%		75-125	0.93
Selenium	84.89	0.7817	93.46	mg/Kg	90%		75-125	0.93
Silver	47.17	ND	46.73	mg/Kg	101%		75-125	0.93
Thallium	94.12	ND	93.46	mg/Kg	101%		75-125	0.93
Vanadium	182.3	64.71	93.46	mg/Kg	126%	*	75-125	0.93
Zinc	154.4	64.79	93.46	mg/Kg	96%		75-125	0.93

Type:	Matrix Spike Duplicate	Lab ID:	QC997462	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.44	ND	90.91	mg/Kg	42%	*	75-125	62*	41	0.91
Arsenic	102.5	8.454	90.91	mg/Kg	103%		75-125	1	35	0.91
Barium	198.6	99.37	90.91	mg/Kg	109%		75-125	7	20	0.91
Beryllium	94.80	0.1191	90.91	mg/Kg	104%		75-125	0	20	0.91
Cadmium	98.13	5.773	90.91	mg/Kg	102%		75-125	2	20	0.91
Chromium	127.8	31.43	90.91	mg/Kg	106%		75-125	1	20	0.91
Cobalt	90.69	6.169	90.91	mg/Kg	93%		75-125	0	20	0.91
Copper	106.7	16.85	90.91	mg/Kg	99%		75-125	0	20	0.91
Lead	90.27	2.640	90.91	mg/Kg	96%		75-125	1	20	0.91
Molybdenum	97.33	7.478	90.91	mg/Kg	99%		75-125	5	20	0.91
Nickel	114.3	36.08	90.91	mg/Kg	86%		75-125	2	20	0.91
Selenium	83.17	0.7817	90.91	mg/Kg	91%		75-125	1	20	0.91
Silver	46.45	ND	45.45	mg/Kg	102%		75-125	1	20	0.91
Thallium	91.07	ND	90.91	mg/Kg	100%		75-125	1	20	0.91
Vanadium	183.1	64.71	90.91	mg/Kg	130%	*	75-125	2	20	0.91
Zinc	149.9	64.79	90.91	mg/Kg	94%		75-125	1	20	0.91

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC997711	Batch: 292098
Matrix: Oil	Method: EPA 7471A	Prep Method: METHOD

QC997711 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.039	06/28/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997712	Batch: 292098
Matrix: Oil	Method: EPA 7471A	Prep Method: METHOD

QC997712 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8953	0.8333	mg/Kg	107%		80-120

Type: Matrix Spike	Lab ID: QC997714	Batch: 292098
Matrix (Source ID): Soil (464862-001)	Method: EPA 7471A	Prep Method: METHOD

QC997714 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.783	1.073	0.8475	mg/Kg	84%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC997715	Batch: 292098
Matrix (Source ID): Soil (464862-001)	Method: EPA 7471A	Prep Method: METHOD

QC997715 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.974	1.073	0.9434	mg/Kg	96%		75-125	5	20	2.3

Type: Blank	Lab ID: QC997725	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997725 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	200	48	06/29/22	06/29/22
DRO C10-C28	ND		mg/Kg	200	48	06/29/22	06/29/22
ORO C28-C44	70	J	mg/Kg	400	48	06/29/22	06/29/22
Surrogates				**Limits**			
n-Triacontane	113%		%REC	70-130		06/29/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997726	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	4,074	5000	mg/Kg	81%		76-122
Surrogates						
n-Triacontane	216.9	200.0	mg/Kg	108%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC997727**	**Batch:**	**292101**
Matrix:	**Miscell.**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580**

QC997727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	4,148	5000	mg/Kg	83%		76-122	2	20
Surrogates								
n-Triacontane	213.0	200.0	mg/Kg	106%		70-130		

Type:	**Blank**	**Lab ID:**	**QC997568**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC997568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	500	110	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	500	320	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	500	83	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	500	330	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	500	370	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	500	170	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	500	98	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	500	46	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	500	180	06/28/22	07/07/22
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	67%		%REC	19-121		06/28/22	07/07/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC999116**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3,267	5000	ug/Kg	65%		14-150
Aroclor-1260	3,472	5000	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	263.6	500.0	ug/Kg	53%		19-121

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC999117**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3,703	5000	ug/Kg	74%		14-150	13	20
Aroclor-1260	4,105	5000	ug/Kg	82%		10-150	17	20
Surrogates								
Decachlorobiphenyl (PCB)	338.6	500.0	ug/Kg	68%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC998915	**Batch:** 292480
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC998915 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	10	0.4	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100	8.8	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	10	0.4	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	10	0.4	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	10	0.3	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	10	0.3	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Acetone	ND		ug/Kg	25	25	07/07/22	07/08/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	20	0.7	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	5.0	0.8	07/07/22	07/08/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	10	3.2	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.9	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	10	2.2	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22

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Batch QC

QC998915 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
m,p-Xylenes	ND		ug/Kg	5.0	0.8	07/07/22	07/08/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130		07/07/22	07/08/22
1,2-Dichloroethane-d4	88%		%REC	70-145		07/07/22	07/08/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/08/22
Bromofluorobenzene	93%		%REC	70-145		07/07/22	07/08/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC998916	Batch: 292480
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC998916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.31	50.00	ug/Kg	93%		70-131
MTBE	41.72	50.00	ug/Kg	83%		69-130
Benzene	47.82	50.00	ug/Kg	96%		70-130
Trichloroethene	52.89	50.00	ug/Kg	106%		70-130
Toluene	48.10	50.00	ug/Kg	96%		70-130
Chlorobenzene	50.49	50.00	ug/Kg	101%		70-130
Surrogates						
Dibromofluoromethane	54.18	50.00	ug/Kg	108%		70-130
1,2-Dichloroethane-d4	43.12	50.00	ug/Kg	86%		70-145
Toluene-d8	49.14	50.00	ug/Kg	98%		70-145
Bromofluorobenzene	50.28	50.00	ug/Kg	101%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC998917	Batch: 292480
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC998917 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.28	50.00	ug/Kg	89%		70-131	4	33
MTBE	40.48	50.00	ug/Kg	81%		69-130	3	30
Benzene	46.68	50.00	ug/Kg	93%		70-130	2	30
Trichloroethene	50.03	50.00	ug/Kg	100%		70-130	6	30
Toluene	46.13	50.00	ug/Kg	92%		70-130	4	30
Chlorobenzene	49.67	50.00	ug/Kg	99%		70-130	2	30
Surrogates								
Dibromofluoromethane	52.92	50.00	ug/Kg	106%		70-130		
1,2-Dichloroethane-d4	45.88	50.00	ug/Kg	92%		70-145		
Toluene-d8	48.91	50.00	ug/Kg	98%		70-145		
Bromofluorobenzene	49.04	50.00	ug/Kg	98%		70-145		

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Batch QC

Type: Blank	**Lab ID:** QC998918	**Batch:** 292480
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC998918 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	500	57	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	5,000	440	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	500	34	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	500	41	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	500	48	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	500	20	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/08/22
Acetone	ND		ug/Kg	1,000	530	07/07/22	07/08/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	1,000	91	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	250	21	07/07/22	07/08/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	500	430	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/08/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/08/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	500	140	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/08/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	500	210	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/08/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/08/22

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Batch QC

QC998918 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/08/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/08/22
m,p-Xylenes	ND		ug/Kg	250	86	07/07/22	07/08/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/08/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/08/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/08/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/08/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/08/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/08/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/08/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/08/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/08/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/08/22
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130	100	07/07/22	07/08/22
1,2-Dichloroethane-d4	86%		%REC	70-145	180	07/07/22	07/08/22
Toluene-d8	96%		%REC	70-145	96	07/07/22	07/08/22
Bromofluorobenzene	93%		%REC	70-145		07/07/22	07/08/22

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999270	**Batch:** 292598
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	10	0.4	07/07/22	07/09/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100	8.8	07/07/22	07/09/22
Chloromethane	ND		ug/Kg	10	0.4	07/07/22	07/09/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Vinyl Chloride	ND		ug/Kg	10	0.4	07/07/22	07/09/22
Bromomethane	ND		ug/Kg	10	0.3	07/07/22	07/09/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Chloroethane	ND		ug/Kg	10	0.3	07/07/22	07/09/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Acetone	ND		ug/Kg	25	25	07/07/22	07/09/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/09/22
Methylene Chloride	ND		ug/Kg	20	0.7	07/07/22	07/09/22
Carbon Disulfide	ND		ug/Kg	5.0	0.8	07/07/22	07/09/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
2-Butanone	ND		ug/Kg	10	3.2	07/07/22	07/09/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/09/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.9	07/07/22	07/09/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
2-Hexanone	ND		ug/Kg	10	2.2	07/07/22	07/09/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

QC999270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
m,p-Xylenes	ND		ug/Kg	5.0	0.8	07/07/22	07/09/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/09/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/09/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Surrogates				**Limits**			
Dibromofluoromethane	96%		%REC	70-130		07/07/22	07/09/22
1,2-Dichloroethane-d4	87%		%REC	70-145		07/07/22	07/09/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/09/22
Bromofluorobenzene	93%		%REC	70-145		07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC999271	**Batch:** 292598
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999271 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	45.71	50.00	ug/Kg	91%		70-131
MTBE	42.00	50.00	ug/Kg	84%		69-130
Benzene	46.80	50.00	ug/Kg	94%		70-130
Trichloroethene	50.05	50.00	ug/Kg	100%		70-130
Toluene	45.78	50.00	ug/Kg	92%		70-130
Chlorobenzene	49.50	50.00	ug/Kg	99%		70-130
Surrogates						
Dibromofluoromethane	53.00	50.00	ug/Kg	106%		70-130
1,2-Dichloroethane-d4	43.74	50.00	ug/Kg	87%		70-145
Toluene-d8	48.38	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	49.03	50.00	ug/Kg	98%		70-145

Type: Lab Control Sample Duplicate	**Lab ID:** QC999272	**Batch:** 292598
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999272 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.64	50.00	ug/Kg	87%		70-131	5	33
MTBE	38.52	50.00	ug/Kg	77%		69-130	9	30
Benzene	43.61	50.00	ug/Kg	87%		70-130	7	30
Trichloroethene	47.53	50.00	ug/Kg	95%		70-130	5	30
Toluene	43.56	50.00	ug/Kg	87%		70-130	5	30
Chlorobenzene	44.96	50.00	ug/Kg	90%		70-130	10	30
Surrogates								
Dibromofluoromethane	52.08	50.00	ug/Kg	104%		70-130		
1,2-Dichloroethane-d4	44.34	50.00	ug/Kg	89%		70-145		
Toluene-d8	48.92	50.00	ug/Kg	98%		70-145		
Bromofluorobenzene	47.90	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999273	**Batch:** 292598	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999273 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	500	57	07/07/22	07/09/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	5,000	440	07/07/22	07/09/22
Chloromethane	ND		ug/Kg	500	34	07/07/22	07/09/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/09/22
Vinyl Chloride	ND		ug/Kg	500	41	07/07/22	07/09/22
Bromomethane	ND		ug/Kg	500	48	07/07/22	07/09/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/09/22
Chloroethane	ND		ug/Kg	500	20	07/07/22	07/09/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/09/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/09/22
Acetone	ND		ug/Kg	1,000	530	07/07/22	07/09/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/09/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/09/22
Methylene Chloride	ND		ug/Kg	1,000	91	07/07/22	07/09/22
Carbon Disulfide	ND		ug/Kg	250	21	07/07/22	07/09/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/09/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/09/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/09/22
2-Butanone	ND		ug/Kg	500	430	07/07/22	07/09/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/09/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/09/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/09/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/09/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/09/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/09/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/09/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/09/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/09/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/09/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/09/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/09/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/09/22
4-Methyl-2-Pentanone	ND		ug/Kg	500	140	07/07/22	07/09/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/09/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/09/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/09/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/09/22
2-Hexanone	ND		ug/Kg	500	210	07/07/22	07/09/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/09/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/09/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/09/22
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

QC999273 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/09/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/09/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/09/22
m,p-Xylenes	ND		ug/Kg	250	86	07/07/22	07/09/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/09/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/09/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/09/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/09/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/09/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/09/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/09/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/09/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/09/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/09/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/09/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/09/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/09/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/09/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/09/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/09/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/09/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/09/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/09/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/09/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/09/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/09/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/09/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/09/22
Surrogates				**Limits**			
Dibromofluoromethane	95%		%REC	70-130	100	07/07/22	07/09/22
1,2-Dichloroethane-d4	88%		%REC	70-145	180	07/07/22	07/09/22
Toluene-d8	96%		%REC	70-145	96	07/07/22	07/09/22
Bromofluorobenzene	94%		%REC	70-145		07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999449	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	10	0.4	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100	8.8	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	10	0.4	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	10	0.4	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	10	0.3	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	10	0.3	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Acetone	ND		ug/Kg	25	25	07/07/22	07/11/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	20	0.7	07/07/22	07/11/22
Carbon Disulfide	ND		ug/Kg	5.0	0.8	07/07/22	07/11/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	10	3.2	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.9	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
2-Hexanone	ND		ug/Kg	10	2.2	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	5.0	0.8	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		07/07/22	07/11/22
1,2-Dichloroethane-d4	90%		%REC	70-145		07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/11/22
Bromofluorobenzene	90%		%REC	70-145		07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC999450	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.81	50.00	ug/Kg	88%		70-131
MTBE	38.86	50.00	ug/Kg	78%		69-130
Benzene	44.21	50.00	ug/Kg	88%		70-130
Trichloroethene	47.94	50.00	ug/Kg	96%		70-130
Toluene	44.78	50.00	ug/Kg	90%		70-130
Chlorobenzene	46.20	50.00	ug/Kg	92%		70-130
Surrogates						
Dibromofluoromethane	53.55	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	43.44	50.00	ug/Kg	87%		70-145
Toluene-d8	48.56	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	47.74	50.00	ug/Kg	95%		70-145

Type: Lab Control Sample Duplicate	**Lab ID:** QC999451	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.67	50.00	ug/Kg	89%		70-131	2	33
MTBE	42.01	50.00	ug/Kg	84%		69-130	8	30
Benzene	45.64	50.00	ug/Kg	91%		70-130	3	30
Trichloroethene	48.39	50.00	ug/Kg	97%		70-130	1	30
Toluene	45.24	50.00	ug/Kg	90%		70-130	1	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.54	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	43.32	50.00	ug/Kg	87%		70-145		
Toluene-d8	49.30	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	47.95	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999452	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	500	57	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	5,000	440	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	500	34	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	500	41	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	500	48	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	500	20	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/11/22
Acetone	ND		ug/Kg	1,000	530	07/07/22	07/11/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	1,000	91	07/07/22	07/11/22
Carbon Disulfide	ND		ug/Kg	250	21	07/07/22	07/11/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	500	430	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/11/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/11/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	500	140	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/11/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/11/22
2-Hexanone	ND		ug/Kg	500	210	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/11/22
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	250	86	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/11/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/11/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130	100	07/07/22	07/11/22
1,2-Dichloroethane-d4	89%		%REC	70-145	180	07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145	96	07/07/22	07/11/22
Bromofluorobenzene	92%		%REC	70-145		07/07/22	07/11/22

* Value is outside QC limits
J Estimated value
ND Not Detected

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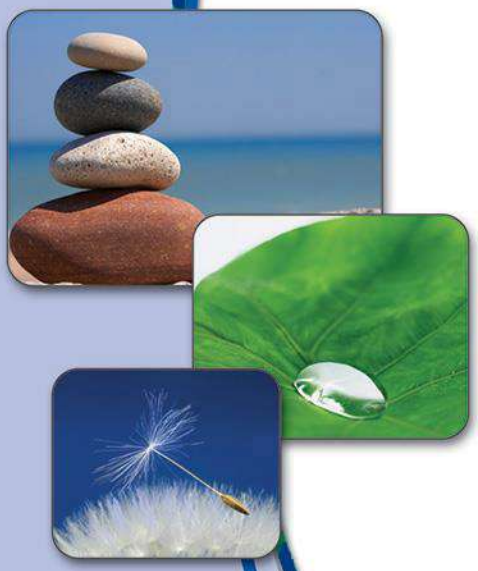

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-103103-1
Client Project/Site: 1185 Sunset Blvd.
Revision: 1

For:
Citadel Environmental Services Inc
1725 Victory Blvd
Glendale, California 91201

Attn: Scott Grasse

Authorized for release by:
8/25/2022 2:43:03 PM

Erick Ovalle, Project Manager
(657)210-6331
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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-103103-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-103103-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2022 4:56 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-249502. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The initial calibration curve analyzed in batch 570-249502 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: The following samples were diluted due to the nature of the sample matrix / hydrocarbons: 0714-3-WEST (570-103103-7) and 0714-2-EAST (570-103103-10). Elevated reporting limits (RLs) are provided.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-249628 recovered outside control limits for the following analyte: Acetone. The Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-249628.

Method 8260B: The initial calibration curve analyzed in batch 570-249628 was outside method criteria for the following analyte: Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered an estimated concentration.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-249519. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 250244.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony and Barium for preparation batch 570-249451 and analytical batch 570-249591 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.(570-103076-H-1-B MS ^5) and (570-103076-H-1-C MSD ^5)

Method 6010B: The post digestion spike % recovery for Antimony associated with batch 570-249591 was outside of control limits. The

Job ID: 570-103103-1 (Continued)

Laboratory: Eurofins Calscience (Continued)

associated sample is: (570-103076-H-1-A PDS ^5).(570-103076-H-1-A PDS ^5)

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 570-250204 and analytical batch 570-250336 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 570-249804 and analytical batch 570-250354 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-6-EAST — Lab Sample ID: 570-103103-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.63		3.00		mg/Kg	5		6010B	Total/NA
Barium	120		3.00		mg/Kg	5		6010B	Total/NA
Cadmium	1.14		0.500		mg/Kg	5		6010B	Total/NA
Chromium	12.0		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	15.1		1.00		mg/Kg	5		6010B	Total/NA
Copper	20.2		2.00		mg/Kg	5		6010B	Total/NA
Lead	3.43		2.00		mg/Kg	5		6010B	Total/NA
Molybdenum	2.56		2.00		mg/Kg	5		6010B	Total/NA
Nickel	22.3		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	31.9		1.00		mg/Kg	5		6010B	Total/NA
Zinc	61.0		5.00		mg/Kg	5		6010B	Total/NA
Mercury	0.138		0.0833		mg/Kg	1		7471A	Total/NA

Client Sample ID: 0714-6-WEST — Lab Sample ID: 570-103103-2

No Detections.

Client Sample ID: 0714-5-WEST — Lab Sample ID: 570-103103-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C29-C32	9.1		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	5.4		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	31		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	6.1		4.9		mg/Kg	1		8015B	Total/NA

Client Sample ID: 0714-5-EAST — Lab Sample ID: 570-103103-4

No Detections.

Client Sample ID: 0714-4-WEST — Lab Sample ID: 570-103103-5

No Detections.

Client Sample ID: 0714-4-EAST — Lab Sample ID: 570-103103-6

No Detections.

Client Sample ID: 0714-3-WEST — Lab Sample ID: 570-103103-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	32000		3100		ug/Kg	2000		8260B	Total/NA
1,3,5-Trimethylbenzene	12000		3100		ug/Kg	2000		8260B	Total/NA
n-Butylbenzene	8700		1600		ug/Kg	2000		8260B	Total/NA
N-Propylbenzene	7000		3100		ug/Kg	2000		8260B	Total/NA
sec-Butylbenzene	1900		1600		ug/Kg	2000		8260B	Total/NA
Gasoline Range Organics (C4-C12)	740		39		mg/Kg	500		8015B	Total/NA
Barium	118		3.06		mg/Kg	5		6010B	Total/NA
Chromium	11.6		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	7.83		1.02		mg/Kg	5		6010B	Total/NA
Copper	19.6		2.04		mg/Kg	5		6010B	Total/NA
Lead	5.22		2.04		mg/Kg	5		6010B	Total/NA
Molybdenum	2.18		2.04		mg/Kg	5		6010B	Total/NA
Nickel	16.2		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	26.6		1.02		mg/Kg	5		6010B	Total/NA
Zinc	42.1		5.10		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-3-WEST (Continued) — Lab Sample ID: 570-103103-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	0.0875		0.0817		mg/Kg	1		7471A	Total/NA

Client Sample ID: 0714-3-EAST — Lab Sample ID: 570-103103-8

No Detections.

Client Sample ID: 0714-2-WEST — Lab Sample ID: 570-103103-9

No Detections.

Client Sample ID: 0714-2-EAST — Lab Sample ID: 570-103103-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	2.4		0.082		mg/Kg	1		8015B	Total/NA

Client Sample ID: SP-UST-North — Lab Sample ID: 570-103103-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	13		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	20		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	17		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	5.3		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	10		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	83		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	22		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.71		3.06		mg/Kg	5		6010B	Total/NA
Barium	115		3.06		mg/Kg	5		6010B	Total/NA
Cadmium	0.574		0.510		mg/Kg	5		6010B	Total/NA
Chromium	13.0		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	6.19		1.02		mg/Kg	5		6010B	Total/NA
Copper	15.6		2.04		mg/Kg	5		6010B	Total/NA
Lead	16.6		2.04		mg/Kg	5		6010B	Total/NA
Nickel	14.2		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	27.8		1.02		mg/Kg	5		6010B	Total/NA
Zinc	122		5.10		mg/Kg	5		6010B	Total/NA

Client Sample ID: SP-UST-South — Lab Sample ID: 570-103103-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	21	*1	20		ug/Kg	1		8260B	Total/NA
C23-C24	8.8		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	30		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	45		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	39		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	11		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	19		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	180		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	45		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.42		3.08		mg/Kg	5		6010B	Total/NA
Barium	63.7		3.08		mg/Kg	5		6010B	Total/NA
Chromium	7.27		1.03		mg/Kg	5		6010B	Total/NA
Cobalt	4.08		1.03		mg/Kg	5		6010B	Total/NA
Copper	12.9		2.05		mg/Kg	5		6010B	Total/NA
Lead	6.21		2.05		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-UST-South (Continued)

Lab Sample ID: 570-103103-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Nickel	6.62		2.05		mg/Kg	5		6010B	Total/NA
Vanadium	16.6		1.03		mg/Kg	5		6010B	Total/NA
Zinc	65.3		5.13		mg/Kg	5		6010B	Total/NA

Client Sample ID: SP-1166

Lab Sample ID: 570-103103-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	530		89		ug/Kg	50		8260B	Total/NA
1,3,5-Trimethylbenzene	320		89		ug/Kg	50		8260B	Total/NA
n-Butylbenzene	51		45		ug/Kg	50		8260B	Total/NA
o-Xylene	350		45		ug/Kg	50		8260B	Total/NA
m,p-Xylene	960		89		ug/Kg	50		8260B	Total/NA
Toluene	50		45		ug/Kg	50		8260B	Total/NA
Gasoline Range Organics (C4-C12)	1.9		0.093		mg/Kg	1		8015B	Total/NA
C23-C24	7.2		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	32		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	60		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	56		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	14		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	25		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	240		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	49		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.24		3.00		mg/Kg	5		6010B	Total/NA
Barium	104		3.00		mg/Kg	5		6010B	Total/NA
Cadmium	0.513		0.500		mg/Kg	5		6010B	Total/NA
Chromium	11.1		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	6.14		1.00		mg/Kg	5		6010B	Total/NA
Copper	17.5		2.00		mg/Kg	5		6010B	Total/NA
Lead	22.9		2.00		mg/Kg	5		6010B	Total/NA
Nickel	11.2		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	25.3		1.00		mg/Kg	5		6010B	Total/NA
Zinc	85.2		5.00		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,1-Trichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,2-Trichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1-Dichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1-Dichloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dibromo-3-Chloropropane	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dibromoethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dichlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dichloropropane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,3-Dichlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,3-Dichloropropane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,4-Dichlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2,2-Dichloropropane	ND		4.6		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2-Butanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2-Chlorotoluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2-Hexanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
4-Chlorotoluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Acetone	ND	*1	18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Benzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromodichloromethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromoform	ND		4.6		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromomethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
cis-1,2-Dichloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
cis-1,3-Dichloropropene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Carbon disulfide	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Carbon tetrachloride	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chloroform	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chloromethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Dibromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Dibromomethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Di-isopropyl ether (DIPE)	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Ethanol	ND		230		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Ethylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Methylene Chloride	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Naphthalene	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
n-Butylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
N-Propylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
o-Xylene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
m,p-Xylene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
p-Isopropyltoluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
sec-Butylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Styrene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
trans-1,2-Dichloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Tert-amyl-methyl ether (TAME)	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
tert-Butylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Tetrachloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Toluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Trichloroethene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Trichlorofluoromethane	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Vinyl acetate	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Vinyl chloride	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 142*	*07/15/22 10:36*	*07/15/22 21:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:15*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*	*07/15/22 10:36*	*07/15/22 21:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:15*	*1*

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,1-Trichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,2-Trichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1-Dichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1-Dichloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1-Dichloropropene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dibromo-3-Chloropropane	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dibromoethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dichlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dichloropropane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,3-Dichlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,3-Dichloropropane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,4-Dichlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2,2-Dichloropropane	ND		4.8		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2-Butanone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2-Chlorotoluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2-Hexanone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
4-Chlorotoluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
4-Methyl-2-pentanone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Acetone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Benzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromochloromethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromodichloromethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromoform	ND		4.8		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromomethane	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
cis-1,2-Dichloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
cis-1,3-Dichloropropene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Carbon disulfide	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Carbon tetrachloride	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chloroethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chloroform	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chloromethane	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Dibromochloromethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Dibromomethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Di-isopropyl ether (DIPE)	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Ethanol	ND		240		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Ethylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Ethyl-t-butyl ether (ETBE)	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Isopropylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Methylene Chloride	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Naphthalene	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
n-Butylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
N-Propylbenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
o-Xylene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
m,p-Xylene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
p-Isopropyltoluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
sec-Butylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Styrene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
trans-1,2-Dichloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Tert-amyl-methyl ether (TAME)	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
tert-Butylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Tetrachloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Trichloroethene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Trichlorofluoromethane	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Vinyl acetate	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Vinyl chloride	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 142*	*07/15/22 10:36*	*07/15/22 14:31*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*07/15/22 10:36*	*07/15/22 14:31*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 123*	*07/15/22 10:36*	*07/15/22 14:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 14:31*	*1*

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,1-Trichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,2-Trichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1-Dichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1-Dichloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dibromo-3-Chloropropane	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dibromoethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dichlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dichloropropane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,3-Dichlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,3-Dichloropropane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,4-Dichlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2-Butanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2-Chlorotoluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2-Hexanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
4-Chlorotoluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Acetone	ND	*1	18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Benzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromodichloromethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromoform	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromomethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
cis-1,3-Dichloropropene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Carbon disulfide	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Carbon tetrachloride	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chloroform	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chloromethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Dibromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Dibromomethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Di-isopropyl ether (DIPE)	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Ethanol	ND		220		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Ethylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Isopropylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Methylene Chloride	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Naphthalene	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
n-Butylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
N-Propylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
o-Xylene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
m,p-Xylene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
p-Isopropyltoluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
sec-Butylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Styrene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
trans-1,2-Dichloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Tert-amyl-methyl ether (TAME)	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
tert-Butylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Tetrachloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Toluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Trichloroethene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Trichlorofluoromethane	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Vinyl acetate	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Vinyl chloride	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 142*	*07/15/22 10:36*	*07/15/22 21:36*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:36*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 123*	*07/15/22 10:36*	*07/15/22 21:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:36*	*1*

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1,1-Trichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1,2-Trichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1-Dichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1-Dichloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dibromoethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dichlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dichloropropane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,3-Dichlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,3-Dichloropropane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2-Butanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2-Chlorotoluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2-Hexanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
4-Chlorotoluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Acetone	ND	*1	18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Benzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromodichloromethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromoform	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromomethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
cis-1,2-Dichloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Carbon disulfide	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Carbon tetrachloride	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chloroform	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chloromethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Dibromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Dibromomethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Di-isopropyl ether (DIPE)	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Ethanol	ND		230		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Ethylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Ethyl-t-butyl ether (ETBE)	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Isopropylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Methylene Chloride	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Naphthalene	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
n-Butylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
N-Propylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
o-Xylene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
m,p-Xylene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
p-Isopropyltoluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
sec-Butylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Styrene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
trans-1,2-Dichloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Tert-amyl-methyl ether (TAME)	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
tert-Butylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Tetrachloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Toluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Trichloroethene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Trichlorofluoromethane	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Vinyl acetate	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Vinyl chloride	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*07/15/22 10:36*	*07/15/22 21:57*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:57*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 123*	*07/15/22 10:36*	*07/15/22 21:57*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:57*	*1*

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,1-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,2-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dibromoethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2-Butanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2-Hexanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
4-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Acetone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Benzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromodichloromethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromoform	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromomethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
cis-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
cis-1,3-Dichloropropene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Carbon disulfide	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Carbon tetrachloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chloroform	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chloromethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Dibromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Dibromomethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Di-isopropyl ether (DIPE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Ethanol	ND		210		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Ethylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Ethyl-t-butyl ether (ETBE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Isopropylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Methylene Chloride	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Naphthalene	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
n-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
N-Propylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
o-Xylene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
m,p-Xylene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
p-Isopropyltoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
sec-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Styrene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
trans-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Tert-amyl-methyl ether (TAME)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
tert-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Tetrachloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Toluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Trichloroethene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Vinyl acetate	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Vinyl chloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*80 - 142*	*07/15/22 10:36*	*07/15/22 15:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:33*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 15:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:33*	*1*

Client Sample ID: 0714-4-EAST
Date Collected: 07/14/22 12:57
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,1-Trichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,2-Trichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1-Dichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1-Dichloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dibromo-3-Chloropropane	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dibromoethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dichlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dichloropropane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,3-Dichlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,3-Dichloropropane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,4-Dichlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2,2-Dichloropropane	ND		4.3		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2-Butanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2-Chlorotoluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2-Hexanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
4-Chlorotoluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Acetone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Benzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromodichloromethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromoform	ND		4.3		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromomethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
cis-1,2-Dichloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
cis-1,3-Dichloropropene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-4-EAST
Date Collected: 07/14/22 12:57
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Carbon tetrachloride	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chloroform	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chloromethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Dibromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Dibromomethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Di-isopropyl ether (DIPE)	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Ethanol	ND		220		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Ethylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Ethyl-t-butyl ether (ETBE)	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Isopropylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Methylene Chloride	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Naphthalene	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
n-Butylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
N-Propylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
o-Xylene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
m,p-Xylene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
p-Isopropyltoluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
sec-Butylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Styrene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
trans-1,2-Dichloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Tert-amyl-methyl ether (TAME)	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
tert-Butylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Tetrachloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Toluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Trichloroethene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Trichlorofluoromethane	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Vinyl acetate	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Vinyl chloride	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*80 - 142*	*07/15/22 10:36*	*07/15/22 15:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:54*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 15:54*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:54*	*1*

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1,1-Trichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1,2,2-Tetrachloroethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1-Dichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1-Dichloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1-Dichloropropene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,3-Trichlorobenzene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,3-Trichloropropane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,4-Trichlorobenzene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,4-Trimethylbenzene	**32000**		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dibromo-3-Chloropropane	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dibromoethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dichlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dichloropropane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,3,5-Trimethylbenzene	**12000**		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,3-Dichlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,3-Dichloropropane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,4-Dichlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2,2-Dichloropropane	ND		7800		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2-Butanone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2-Chlorotoluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2-Hexanone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
4-Chlorotoluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
4-Methyl-2-pentanone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Acetone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Benzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromochloromethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromodichloromethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromoform	ND		7800		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromomethane	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
cis-1,2-Dichloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
cis-1,3-Dichloropropene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Carbon disulfide	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Carbon tetrachloride	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chloroethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chloroform	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chloromethane	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Dibromochloromethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Dibromomethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Dichlorodifluoromethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Di-isopropyl ether (DIPE)	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Ethanol	ND		390000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Ethylbenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Ethyl-t-butyl ether (ETBE)	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Isopropylbenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Methylene Chloride	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Methyl-t-Butyl Ether (MTBE)	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Naphthalene	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	**8700**		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
N-Propylbenzene	**7000**		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
o-Xylene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
m,p-Xylene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
p-Isopropyltoluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
sec-Butylbenzene	**1900**		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Styrene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
trans-1,2-Dichloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
trans-1,3-Dichloropropene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Tert-amyl-methyl ether (TAME)	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
tert-Butyl alcohol (TBA)	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
tert-Butylbenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Tetrachloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Toluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Trichloroethene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Trichlorofluoromethane	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Vinyl acetate	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Vinyl chloride	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 142*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*
Dibromofluoromethane (Surr)	*101*		*80 - 123*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,1-Trichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,2-Trichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1-Dichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1-Dichloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,3-Trichlorobenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,4-Trichlorobenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dibromo-3-Chloropropane	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dibromoethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dichlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dichloropropane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,3-Dichlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,3-Dichloropropane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,4-Dichlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		3.9		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
2-Butanone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
2-Chlorotoluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
2-Hexanone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
4-Chlorotoluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Acetone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Benzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromochloromethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromodichloromethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromoform	ND		3.9		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromomethane	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
cis-1,2-Dichloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
cis-1,3-Dichloropropene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Carbon disulfide	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Carbon tetrachloride	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chloroethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chloroform	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chloromethane	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Dibromochloromethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Dibromomethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Di-isopropyl ether (DIPE)	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Ethanol	ND		190		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Ethylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Isopropylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Methylene Chloride	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Naphthalene	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
n-Butylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
N-Propylbenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
o-Xylene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
m,p-Xylene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
p-Isopropyltoluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
sec-Butylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Styrene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
trans-1,2-Dichloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Tert-amyl-methyl ether (TAME)	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
tert-Butylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Tetrachloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Toluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Trichloroethene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Trichlorofluoromethane	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Vinyl acetate	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*80 - 142*	*07/15/22 10:36*	*07/15/22 16:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:15*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 123*	*07/15/22 10:36*	*07/15/22 16:15*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:15*	*1*

Client Sample ID: 0714-2-WEST
Date Collected: 07/14/22 10:50
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,1-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,2-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dibromoethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,3-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2-Butanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2-Hexanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
4-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Acetone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Benzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromodichloromethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromoform	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromomethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
cis-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
cis-1,3-Dichloropropene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Carbon disulfide	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Carbon tetrachloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-2-WEST
Date Collected: 07/14/22 10:50
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Chloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Chloroform	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Chloromethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Dibromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Dibromomethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Di-isopropyl ether (DIPE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Ethanol	ND		210		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Ethylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Isopropylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Methylene Chloride	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Naphthalene	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
n-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
N-Propylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
o-Xylene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
m,p-Xylene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
p-Isopropyltoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
sec-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Styrene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
trans-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Tert-amyl-methyl ether (TAME)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
tert-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Tetrachloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Toluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Trichloroethene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Trichlorofluoromethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Vinyl acetate	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Vinyl chloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*80 - 142*	*07/15/22 10:36*	*07/15/22 16:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:36*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 16:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:36*	*1*

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,1-Trichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,2,2-Tetrachloroethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,2-Trichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1-Dichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1-Dichloropropene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,3-Trichlorobenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,3-Trichloropropane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,4-Trichlorobenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,4-Trimethylbenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dibromo-3-Chloropropane	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dibromoethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dichlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dichloropropane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,3,5-Trimethylbenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,3-Dichlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,3-Dichloropropane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,4-Dichlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2,2-Dichloropropane	ND		210		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2-Butanone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2-Chlorotoluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2-Hexanone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
4-Chlorotoluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
4-Methyl-2-pentanone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Acetone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Benzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromochloromethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromodichloromethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromoform	ND		210		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromomethane	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
cis-1,2-Dichloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
cis-1,3-Dichloropropene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Carbon disulfide	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Carbon tetrachloride	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chloroethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chloroform	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chloromethane	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Dibromochloromethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Dibromomethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Dichlorodifluoromethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Di-isopropyl ether (DIPE)	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Ethanol	ND		11000		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Ethylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Ethyl-t-butyl ether (ETBE)	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Isopropylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Methylene Chloride	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Methyl-t-Butyl Ether (MTBE)	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Naphthalene	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
n-Butylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
N-Propylbenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
m,p-Xylene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
p-Isopropyltoluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
sec-Butylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Styrene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
trans-1,2-Dichloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
trans-1,3-Dichloropropene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Tert-amyl-methyl ether (TAME)	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
tert-Butyl alcohol (TBA)	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
tert-Butylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Tetrachloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Toluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Trichloroethene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Trichlorofluoromethane	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Vinyl acetate	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Vinyl chloride	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 142*	*07/15/22 10:36*	*07/15/22 17:59*	*50*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:59*	*50*
Dibromofluoromethane (Surr)	*100*		*80 - 123*	*07/15/22 10:36*	*07/15/22 17:59*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:59*	*50*

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1-Dichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1-Dichloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dibromoethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dichloropropane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,3-Dichloropropane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
2-Butanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
2-Hexanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
4-Chlorotoluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Acetone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Benzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromodichloromethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromoform	ND		5.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromomethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Carbon disulfide	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Carbon tetrachloride	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chloroform	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chloromethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Dibromomethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Ethanol	ND		250		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Ethylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Isopropylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Methylene Chloride	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Naphthalene	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
n-Butylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
o-Xylene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
p-Isopropyltoluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
sec-Butylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Styrene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
tert-Butylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Tetrachloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Toluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Trichloroethene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Trichlorofluoromethane	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Vinyl acetate	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Vinyl chloride	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*124*		*80 - 142*	*07/15/22 10:36*	*07/15/22 16:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:57*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 16:57*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:57*	*1*

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1-Dichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1-Dichloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dibromoethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dichloropropane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,3-Dichloropropane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2,2-Dichloropropane	ND		4.9		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2-Butanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2-Chlorotoluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2-Hexanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
4-Chlorotoluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Acetone	**21**	***1**	20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Benzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromodichloromethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromoform	ND		4.9		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromomethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Carbon disulfide	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Carbon tetrachloride	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chloroform	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chloromethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Ethanol	ND		240		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Ethylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Isopropylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Methylene Chloride	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Naphthalene	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
n-Butylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
o-Xylene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
p-Isopropyltoluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
sec-Butylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Styrene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
tert-Butylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Tetrachloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Toluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Trichloroethene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Trichlorofluoromethane	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Vinyl acetate	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Vinyl chloride	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*07/15/22 10:36*	*07/15/22 22:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:18*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 123*	*07/15/22 10:36*	*07/15/22 22:18*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:18*	*1*

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,1-Trichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,2,2-Tetrachloroethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,2-Trichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1-Dichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1-Dichloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1-Dichloropropene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2,3-Trichlorobenzene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2,3-Trichloropropane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2,4-Trichlorobenzene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**530**		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dibromoethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dichlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dichloropropane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,3,5-Trimethylbenzene	**320**		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,3-Dichlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,3-Dichloropropane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,4-Dichlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2,2-Dichloropropane	ND		220		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2-Butanone	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2-Chlorotoluene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2-Hexanone	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
4-Chlorotoluene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
4-Methyl-2-pentanone	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Acetone	ND	*1	890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Benzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromochloromethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromodichloromethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromoform	ND		220		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromomethane	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
cis-1,2-Dichloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
cis-1,3-Dichloropropene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Carbon disulfide	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Carbon tetrachloride	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chloroethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chloroform	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chloromethane	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Dibromochloromethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Dibromomethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Dichlorodifluoromethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Di-isopropyl ether (DIPE)	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Ethanol	ND		11000		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Ethylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Ethyl-t-butyl ether (ETBE)	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Isopropylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Methylene Chloride	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Methyl-t-Butyl Ether (MTBE)	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Naphthalene	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
n-Butylbenzene	**51**		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
N-Propylbenzene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
o-Xylene	**350**		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
m,p-Xylene	**960**		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
p-Isopropyltoluene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
sec-Butylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Styrene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
trans-1,3-Dichloropropene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Tert-amyl-methyl ether (TAME)	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
tert-Butyl alcohol (TBA)	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
tert-Butylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Tetrachloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Toluene	**50**		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Trichloroethene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Trichlorofluoromethane	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Vinyl acetate	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Vinyl chloride	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 142*	*07/15/22 10:36*	*07/15/22 22:39*	*50*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:39*	*50*
Dibromofluoromethane (Surr)	*99*		*80 - 123*	*07/15/22 10:36*	*07/15/22 22:39*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:39*	*50*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.094		mg/Kg		07/15/22 10:36	07/15/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*42 - 126*	*07/15/22 10:36*	*07/15/22 14:45*	*1*

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11		mg/Kg		07/15/22 10:36	07/15/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*		*42 - 126*	*07/15/22 10:36*	*07/15/22 15:08*	*1*

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11		mg/Kg		07/15/22 10:36	07/15/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*		*42 - 126*	*07/15/22 10:36*	*07/15/22 15:32*	*1*

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.091		mg/Kg		07/15/22 10:36	07/15/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*42 - 126*	*07/15/22 10:36*	*07/15/22 17:05*	*1*

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.085		mg/Kg		07/15/22 10:36	07/15/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*		*42 - 126*	*07/15/22 10:36*	*07/15/22 17:29*	*1*

Client Sample ID: 0714-4-EAST
Date Collected: 07/14/22 12:57
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.082		mg/Kg		07/15/22 10:36	07/15/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*		*42 - 126*	*07/15/22 10:36*	*07/15/22 17:52*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**740**		39		mg/Kg		07/15/22 10:36	07/19/22 15:56	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*42 - 126*	*07/15/22 10:36*	*07/19/22 15:56*	*500*

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.086		mg/Kg		07/15/22 10:36	07/19/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*42 - 126*	*07/15/22 10:36*	*07/19/22 15:32*	*1*

Client Sample ID: 0714-2-WEST
Date Collected: 07/14/22 10:50
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.076		mg/Kg		07/15/22 10:36	07/19/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/15/22 10:36*	*07/19/22 15:09*	*1*

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**2.4**		0.082		mg/Kg		07/15/22 10:36	07/15/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*42 - 126*	*07/15/22 10:36*	*07/15/22 19:26*	*1*

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10		mg/Kg		07/15/22 10:36	07/15/22 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*42 - 126*	*07/15/22 10:36*	*07/15/22 19:49*	*1*

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.088		mg/Kg		07/15/22 10:36	07/15/22 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*42 - 126*	*07/15/22 10:36*	*07/15/22 20:13*	*1*

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	1.9		0.093		mg/Kg		07/15/22 10:36	07/15/22 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*		*42 - 126*	*07/15/22 10:36*	*07/15/22 20:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C29-C32	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C33-C36	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C6-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*132*		*60 - 138*	*07/15/22 10:40*	*07/18/22 15:22*	*1*

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C29-C32	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C33-C36	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C6-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*133*		*60 - 138*	*07/15/22 10:40*	*07/18/22 15:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C29-C32	**9.1**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C33-C36	**5.4**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C6-C44	**31**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
Diesel Range Organics [C10-C28]	**6.1**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*134*		*60 - 138*	*07/15/22 10:40*	*07/18/22 16:12*	*1*

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C29-C32	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C33-C36	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C6-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*133*		*60 - 138*	*07/15/22 10:40*	*07/18/22 16:37*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C7 as C7	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C8 as C8	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C9-C10	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C11-C12	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C13-C14	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C15-C16	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C17-C18	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C19-C20	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C21-C22	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C23-C24	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C25-C28	**13**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C29-C32	**20**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C33-C36	**17**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C37-C40	**5.3**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C41-C44	**10**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C6-C44	**83**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
Diesel Range Organics [C10-C28]	**22**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*60 - 138*	*07/19/22 11:49*	*07/19/22 19:18*	*1*

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C7 as C7	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C8 as C8	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C9-C10	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C11-C12	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C13-C14	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C15-C16	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C17-C18	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C19-C20	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C21-C22	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C23-C24	**8.8**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C25-C28	**30**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C29-C32	**45**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C33-C36	**39**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C37-C40	**11**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C41-C44	**19**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C6-C44	**180**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
Diesel Range Organics [C10-C28]	**45**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*116*		*60 - 138*	*07/19/22 11:49*	*07/19/22 19:44*	*1*

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C7 as C7	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C8 as C8	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C9-C10	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C11-C12	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C13-C14	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C15-C16	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C17-C18	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C19-C20	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C21-C22	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C23-C24	**7.2**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C25-C28	**32**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C29-C32	**60**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C33-C36	**56**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C37-C40	**14**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C41-C44	**25**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C6-C44	**240**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
Diesel Range Organics [C10-C28]	**49**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*60 - 138*	*07/19/22 11:49*	*07/19/22 20:09*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Arsenic	**4.63**		3.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Barium	**120**		3.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Beryllium	ND		0.500		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Cadmium	**1.14**		0.500		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Chromium	**12.0**		1.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Cobalt	**15.1**		1.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Copper	**20.2**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Lead	**3.43**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Molybdenum	**2.56**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Nickel	**22.3**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Selenium	ND		3.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Silver	ND		1.50		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Thallium	ND		10.0		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Vanadium	**31.9**		1.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Zinc	**61.0**		5.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Arsenic	ND		3.06		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Barium	**118**		3.06		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Beryllium	ND		0.510		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Cadmium	ND		0.510		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Chromium	**11.6**		1.02		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Cobalt	**7.83**		1.02		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Copper	**19.6**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Lead	**5.22**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Molybdenum	**2.18**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Nickel	**16.2**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Selenium	ND		3.06		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Silver	ND		1.53		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Thallium	ND		10.2		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Vanadium	**26.6**		1.02		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Zinc	**42.1**		5.10		mg/Kg		07/18/22 10:15	07/19/22 15:04	5

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Arsenic	**3.71**		3.06		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Barium	**115**		3.06		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Beryllium	ND		0.510		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Cadmium	**0.574**		0.510		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Chromium	**13.0**		1.02		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Cobalt	**6.19**		1.02		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Copper	**15.6**		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**16.6**		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Molybdenum	ND		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Nickel	**14.2**		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Selenium	ND		3.06		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Silver	ND		1.53		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Thallium	ND		10.2		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Vanadium	**27.8**		1.02		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Zinc	**122**		5.10		mg/Kg		07/19/22 10:45	07/19/22 16:16	5

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.3		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Arsenic	**3.42**		3.08		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Barium	**63.7**		3.08		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Beryllium	ND		0.513		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Cadmium	ND		0.513		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Chromium	**7.27**		1.03		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Cobalt	**4.08**		1.03		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Copper	**12.9**		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Lead	**6.21**		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Molybdenum	ND		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Nickel	**6.62**		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Selenium	ND		3.08		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Silver	ND		1.54		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Thallium	ND		10.3		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Vanadium	**16.6**		1.03		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Zinc	**65.3**		5.13		mg/Kg		07/19/22 10:45	07/19/22 16:18	5

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Arsenic	**3.24**		3.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Barium	**104**		3.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Beryllium	ND		0.500		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Cadmium	**0.513**		0.500		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Chromium	**11.1**		1.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Cobalt	**6.14**		1.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Copper	**17.5**		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Lead	**22.9**		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Molybdenum	ND		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Nickel	**11.2**		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Selenium	ND		3.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Silver	ND		1.50		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Thallium	ND		10.0		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Vanadium	**25.3**		1.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Zinc	**85.2**		5.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.138**		0.0833		mg/Kg		07/14/22 22:44	07/15/22 14:21	1

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0875**		0.0817		mg/Kg		07/18/22 14:00	07/18/22 17:45	1

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		07/19/22 10:38	07/19/22 13:41	1

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		07/19/22 10:38	07/19/22 13:43	1

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0850		mg/Kg		07/19/22 10:38	07/19/22 13:45	1

Surrogate Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-142)	(80-120)	(80-123)	(80-120)
570-103103-1	0714-6-EAST	107	100	101	96
570-103103-2	0714-6-WEST	113	102	103	99
570-103103-3	0714-5-WEST	108	100	104	98
570-103103-4	0714-5-EAST	109	99	105	96
570-103103-5	0714-4-WEST	122	101	108	99
570-103103-6	0714-4-EAST	121	103	108	99
570-103103-7	0714-3-WEST	105	102	101	98
570-103103-8	0714-3-EAST	121	101	109	99
570-103103-9	0714-2-WEST	124	103	108	99
570-103103-10	0714-2-EAST	106	103	100	98
570-103103-11	SP-UST-North	124	103	108	100
570-103103-12	SP-UST-South	109	99	107	97
570-103103-13	SP-1166	97	94	99	99
LCS 570-249502/4	Lab Control Sample	101	98	102	102
LCS 570-249628/3	Lab Control Sample	97	92	100	100
LCSD 570-249502/5	Lab Control Sample Dup	101	99	102	102
LCSD 570-249628/4	Lab Control Sample Dup	96	93	100	99
MB 570-249502/7	Method Blank	102	100	100	98
MB 570-249502/8	Method Blank	100	102	99	98
MB 570-249628/6	Method Blank	98	100	103	96
MB 570-249628/7	Method Blank	100	101	101	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-103103-1	0714-6-EAST	65
570-103103-2	0714-6-WEST	57
570-103103-3	0714-5-WEST	60
570-103103-4	0714-5-EAST	62
570-103103-5	0714-4-WEST	57
570-103103-6	0714-4-EAST	50
570-103103-7	0714-3-WEST	110
570-103103-8	0714-3-EAST	91
570-103103-9	0714-2-WEST	90
570-103103-10	0714-2-EAST	110
570-103103-11	SP-UST-North	79
570-103103-12	SP-UST-South	65
570-103103-13	SP-1166	61
LCS 570-249519/3	Lab Control Sample	93
LCS 570-250244/3	Lab Control Sample	102
LCSD 570-249519/4	Lab Control Sample Dup	75

Surrogate Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**BFB1 (42-126)**
LCSD 570-250244/4	Lab Control Sample Dup	104
MB 570-249519/5	Method Blank	72
MB 570-250244/5	Method Blank	98
MB 570-250244/6	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**OTCSN1 (60-138)**
570-102864-A-3-B MS	Matrix Spike	132
570-102864-A-3-C MSD	Matrix Spike Duplicate	136
570-103103-1	0714-6-EAST	132
570-103103-2	0714-6-WEST	133
570-103103-3	0714-5-WEST	134
570-103103-4	0714-5-EAST	133
570-103103-11	SP-UST-North	111
570-103103-11 MS	SP-UST-North	107
570-103103-11 MSD	SP-UST-North	120
570-103103-12	SP-UST-South	116
570-103103-13	SP-1166	111
LCS 570-249541/2-A	Lab Control Sample	128
LCS 570-250239/2-A	Lab Control Sample	108
LCSD 570-249541/3-A	Lab Control Sample Dup	124
LCSD 570-250239/3-A	Lab Control Sample Dup	108
MB 570-249541/1-A	Method Blank	126
MB 570-250239/1-A	Method Blank	109

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-249502/7
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			07/15/22 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			07/15/22 10:42	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1-Dichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1-Dichloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1-Dichloropropene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/15/22 10:42	1
1,2-Dibromoethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
1,2-Dichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,2-Dichloropropane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
1,3-Dichloropropane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/15/22 10:42	1
2-Butanone	ND		20		ug/Kg			07/15/22 10:42	1
2-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 10:42	1
2-Hexanone	ND		20		ug/Kg			07/15/22 10:42	1
4-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 10:42	1
4-Methyl-2-pentanone	ND		20		ug/Kg			07/15/22 10:42	1
Acetone	ND		20		ug/Kg			07/15/22 10:42	1
Benzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Bromobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Bromochloromethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Bromodichloromethane	ND		1.0		ug/Kg			07/15/22 10:42	1
Bromoform	ND		5.0		ug/Kg			07/15/22 10:42	1
Bromomethane	ND		20		ug/Kg			07/15/22 10:42	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			07/15/22 10:42	1
Carbon disulfide	ND		10		ug/Kg			07/15/22 10:42	1
Carbon tetrachloride	ND		1.0		ug/Kg			07/15/22 10:42	1
Chlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Chloroethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Chloroform	ND		1.0		ug/Kg			07/15/22 10:42	1
Chloromethane	ND		20		ug/Kg			07/15/22 10:42	1
Dibromochloromethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Dibromomethane	ND		1.0		ug/Kg			07/15/22 10:42	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			07/15/22 10:42	1
Ethanol	ND		250		ug/Kg			07/15/22 10:42	1
Ethylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249502/7
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			07/15/22 10:42	1
Isopropylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Methylene Chloride	ND		10		ug/Kg			07/15/22 10:42	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			07/15/22 10:42	1
Naphthalene	ND		10		ug/Kg			07/15/22 10:42	1
n-Butylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
N-Propylbenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
o-Xylene	ND		1.0		ug/Kg			07/15/22 10:42	1
m,p-Xylene	ND		2.0		ug/Kg			07/15/22 10:42	1
p-Isopropyltoluene	ND		1.0		ug/Kg			07/15/22 10:42	1
sec-Butylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Styrene	ND		1.0		ug/Kg			07/15/22 10:42	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			07/15/22 10:42	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			07/15/22 10:42	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			07/15/22 10:42	1
tert-Butylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Tetrachloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
Toluene	ND		1.0		ug/Kg			07/15/22 10:42	1
Trichloroethene	ND		2.0		ug/Kg			07/15/22 10:42	1
Trichlorofluoromethane	ND		10		ug/Kg			07/15/22 10:42	1
Vinyl acetate	ND		10		ug/Kg			07/15/22 10:42	1
Vinyl chloride	ND		1.0		ug/Kg			07/15/22 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 142*		*07/15/22 10:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/15/22 10:42*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 123*		*07/15/22 10:42*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/15/22 10:42*	*1*

Lab Sample ID: MB 570-249502/8
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1,1-Trichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			07/15/22 11:03	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg			07/15/22 11:03	50
1,1,2-Trichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1-Dichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1-Dichloroethene	ND		50		ug/Kg			07/15/22 11:03	50
1,1-Dichloropropene	ND		100		ug/Kg			07/15/22 11:03	50
1,2,3-Trichlorobenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,2,3-Trichloropropane	ND		100		ug/Kg			07/15/22 11:03	50
1,2,4-Trichlorobenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,2,4-Trimethylbenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg			07/15/22 11:03	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249502/8
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		50		ug/Kg			07/15/22 11:03	50
1,2-Dichlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
1,2-Dichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,2-Dichloropropane	ND		50		ug/Kg			07/15/22 11:03	50
1,3,5-Trimethylbenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,3-Dichlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
1,3-Dichloropropane	ND		50		ug/Kg			07/15/22 11:03	50
1,4-Dichlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
2,2-Dichloropropane	ND		250		ug/Kg			07/15/22 11:03	50
2-Butanone	ND		1000		ug/Kg			07/15/22 11:03	50
2-Chlorotoluene	ND		50		ug/Kg			07/15/22 11:03	50
2-Hexanone	ND		1000		ug/Kg			07/15/22 11:03	50
4-Chlorotoluene	ND		50		ug/Kg			07/15/22 11:03	50
4-Methyl-2-pentanone	ND		1000		ug/Kg			07/15/22 11:03	50
Acetone	ND		1000		ug/Kg			07/15/22 11:03	50
Benzene	ND		50		ug/Kg			07/15/22 11:03	50
Bromobenzene	ND		50		ug/Kg			07/15/22 11:03	50
Bromochloromethane	ND		100		ug/Kg			07/15/22 11:03	50
Bromodichloromethane	ND		50		ug/Kg			07/15/22 11:03	50
Bromoform	ND		250		ug/Kg			07/15/22 11:03	50
Bromomethane	ND		1000		ug/Kg			07/15/22 11:03	50
cis-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 11:03	50
cis-1,3-Dichloropropene	ND		50		ug/Kg			07/15/22 11:03	50
Carbon disulfide	ND		500		ug/Kg			07/15/22 11:03	50
Carbon tetrachloride	ND		50		ug/Kg			07/15/22 11:03	50
Chlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
Chloroethane	ND		100		ug/Kg			07/15/22 11:03	50
Chloroform	ND		50		ug/Kg			07/15/22 11:03	50
Chloromethane	ND		1000		ug/Kg			07/15/22 11:03	50
Dibromochloromethane	ND		100		ug/Kg			07/15/22 11:03	50
Dibromomethane	ND		50		ug/Kg			07/15/22 11:03	50
Dichlorodifluoromethane	ND		100		ug/Kg			07/15/22 11:03	50
Di-isopropyl ether (DIPE)	ND		50		ug/Kg			07/15/22 11:03	50
Ethanol	ND		13000		ug/Kg			07/15/22 11:03	50
Ethylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Ethyl-t-butyl ether (ETBE)	ND		50		ug/Kg			07/15/22 11:03	50
Isopropylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Methylene Chloride	ND		500		ug/Kg			07/15/22 11:03	50
Methyl-t-Butyl Ether (MTBE)	ND		100		ug/Kg			07/15/22 11:03	50
Naphthalene	ND		500		ug/Kg			07/15/22 11:03	50
n-Butylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
N-Propylbenzene	ND		100		ug/Kg			07/15/22 11:03	50
o-Xylene	ND		50		ug/Kg			07/15/22 11:03	50
m,p-Xylene	ND		100		ug/Kg			07/15/22 11:03	50
p-Isopropyltoluene	ND		50		ug/Kg			07/15/22 11:03	50
sec-Butylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Styrene	ND		50		ug/Kg			07/15/22 11:03	50
trans-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 11:03	50
trans-1,3-Dichloropropene	ND		100		ug/Kg			07/15/22 11:03	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249502/8
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		50		ug/Kg			07/15/22 11:03	50
tert-Butyl alcohol (TBA)	ND		1000		ug/Kg			07/15/22 11:03	50
tert-Butylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Tetrachloroethene	ND		50		ug/Kg			07/15/22 11:03	50
Toluene	ND		50		ug/Kg			07/15/22 11:03	50
Trichloroethene	ND		100		ug/Kg			07/15/22 11:03	50
Trichlorofluoromethane	ND		500		ug/Kg			07/15/22 11:03	50
Vinyl acetate	ND		500		ug/Kg			07/15/22 11:03	50
Vinyl chloride	ND		50		ug/Kg			07/15/22 11:03	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 142*		*07/15/22 11:03*	*50*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*07/15/22 11:03*	*50*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*07/15/22 11:03*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/15/22 11:03*	*50*

Lab Sample ID: LCS 570-249502/4
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			50.0	49.76		ug/Kg		100	70 - 131		
1,2-Dibromoethane			50.0	46.58		ug/Kg		93	80 - 120		
1,2-Dichlorobenzene			50.0	47.36		ug/Kg		95	80 - 120		
1,2-Dichloroethane			50.0	45.20		ug/Kg		90	80 - 120		
Benzene			50.0	46.63		ug/Kg		93	80 - 120		
Carbon tetrachloride			50.0	48.94		ug/Kg		98	80 - 131		
Chlorobenzene			50.0	47.30		ug/Kg		95	80 - 120		
Di-isopropyl ether (DIPE)			50.0	46.08		ug/Kg		92	77 - 130		
Ethanol			500	466.6		ug/Kg		93	66 - 129		
Ethylbenzene			50.0	47.24		ug/Kg		94	80 - 120		
Ethyl-t-butyl ether (ETBE)			50.0	46.56		ug/Kg		93	80 - 135		
Methyl-t-Butyl Ether (MTBE)			50.0	45.41		ug/Kg		91	80 - 122		
o-Xylene			50.0	46.91		ug/Kg		94	80 - 120		
m,p-Xylene			100	93.31		ug/Kg		93	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 142*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-249502/5
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	49.49		ug/Kg		99	70 - 131	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-249502/5
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane			50.0	47.26		ug/Kg		95	80 - 120	1	20
1,2-Dichlorobenzene			50.0	47.24		ug/Kg		94	80 - 120	0	20
1,2-Dichloroethane			50.0	45.69		ug/Kg		91	80 - 120	1	20
Benzene			50.0	46.23		ug/Kg		92	80 - 120	1	20
Carbon tetrachloride			50.0	48.95		ug/Kg		98	80 - 131	0	20
Chlorobenzene			50.0	47.20		ug/Kg		94	80 - 120	0	20
Di-isopropyl ether (DIPE)			50.0	46.25		ug/Kg		92	77 - 130	0	20
Ethanol			500	448.3		ug/Kg		90	66 - 129	4	22
Ethylbenzene			50.0	47.04		ug/Kg		94	80 - 120	0	20
Ethyl-t-butyl ether (ETBE)			50.0	46.53		ug/Kg		93	80 - 135	0	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.96		ug/Kg		92	80 - 122	1	20
o-Xylene			50.0	46.81		ug/Kg		94	80 - 120	0	20
m,p-Xylene			100	92.83		ug/Kg		93	80 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 142*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 570-249628/6
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			07/15/22 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			07/15/22 19:09	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1-Dichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1-Dichloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1-Dichloropropene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/15/22 19:09	1
1,2-Dibromoethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
1,2-Dichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,2-Dichloropropane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
1,3-Dichloropropane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/15/22 19:09	1
2-Butanone	ND		20		ug/Kg			07/15/22 19:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249628/6
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 19:09	1
2-Hexanone	ND		20		ug/Kg			07/15/22 19:09	1
4-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 19:09	1
4-Methyl-2-pentanone	ND		20		ug/Kg			07/15/22 19:09	1
Acetone	ND		20		ug/Kg			07/15/22 19:09	1
Benzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Bromobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Bromochloromethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Bromodichloromethane	ND		1.0		ug/Kg			07/15/22 19:09	1
Bromoform	ND		5.0		ug/Kg			07/15/22 19:09	1
Bromomethane	ND		20		ug/Kg			07/15/22 19:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			07/15/22 19:09	1
Carbon disulfide	ND		10		ug/Kg			07/15/22 19:09	1
Carbon tetrachloride	ND		1.0		ug/Kg			07/15/22 19:09	1
Chlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Chloroethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Chloroform	ND		1.0		ug/Kg			07/15/22 19:09	1
Chloromethane	ND		20		ug/Kg			07/15/22 19:09	1
Dibromochloromethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Dibromomethane	ND		1.0		ug/Kg			07/15/22 19:09	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			07/15/22 19:09	1
Ethanol	ND		250		ug/Kg			07/15/22 19:09	1
Ethylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			07/15/22 19:09	1
Isopropylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Methylene Chloride	ND		10		ug/Kg			07/15/22 19:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			07/15/22 19:09	1
Naphthalene	ND		10		ug/Kg			07/15/22 19:09	1
n-Butylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
N-Propylbenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
o-Xylene	ND		1.0		ug/Kg			07/15/22 19:09	1
m,p-Xylene	ND		2.0		ug/Kg			07/15/22 19:09	1
p-Isopropyltoluene	ND		1.0		ug/Kg			07/15/22 19:09	1
sec-Butylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Styrene	ND		1.0		ug/Kg			07/15/22 19:09	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			07/15/22 19:09	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			07/15/22 19:09	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			07/15/22 19:09	1
tert-Butylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Tetrachloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
Toluene	ND		1.0		ug/Kg			07/15/22 19:09	1
Trichloroethene	ND		2.0		ug/Kg			07/15/22 19:09	1
Trichlorofluoromethane	ND		10		ug/Kg			07/15/22 19:09	1
Vinyl acetate	ND		10		ug/Kg			07/15/22 19:09	1
Vinyl chloride	ND		1.0		ug/Kg			07/15/22 19:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249628/6
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 142*		*07/15/22 19:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/15/22 19:09*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 123*		*07/15/22 19:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/15/22 19:09*	*1*

Lab Sample ID: MB 570-249628/7
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1,1-Trichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			07/15/22 19:30	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg			07/15/22 19:30	50
1,1,2-Trichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1-Dichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1-Dichloroethene	ND		50		ug/Kg			07/15/22 19:30	50
1,1-Dichloropropene	ND		100		ug/Kg			07/15/22 19:30	50
1,2,3-Trichlorobenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,2,3-Trichloropropane	ND		100		ug/Kg			07/15/22 19:30	50
1,2,4-Trichlorobenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,2,4-Trimethylbenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg			07/15/22 19:30	50
1,2-Dibromoethane	ND		50		ug/Kg			07/15/22 19:30	50
1,2-Dichlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
1,2-Dichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,2-Dichloropropane	ND		50		ug/Kg			07/15/22 19:30	50
1,3,5-Trimethylbenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,3-Dichlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
1,3-Dichloropropane	ND		50		ug/Kg			07/15/22 19:30	50
1,4-Dichlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
2,2-Dichloropropane	ND		250		ug/Kg			07/15/22 19:30	50
2-Butanone	ND		1000		ug/Kg			07/15/22 19:30	50
2-Chlorotoluene	ND		50		ug/Kg			07/15/22 19:30	50
2-Hexanone	ND		1000		ug/Kg			07/15/22 19:30	50
4-Chlorotoluene	ND		50		ug/Kg			07/15/22 19:30	50
4-Methyl-2-pentanone	ND		1000		ug/Kg			07/15/22 19:30	50
Acetone	ND		1000		ug/Kg			07/15/22 19:30	50
Benzene	ND		50		ug/Kg			07/15/22 19:30	50
Bromobenzene	ND		50		ug/Kg			07/15/22 19:30	50
Bromochloromethane	ND		100		ug/Kg			07/15/22 19:30	50
Bromodichloromethane	ND		50		ug/Kg			07/15/22 19:30	50
Bromoform	ND		250		ug/Kg			07/15/22 19:30	50
Bromomethane	ND		1000		ug/Kg			07/15/22 19:30	50
cis-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 19:30	50
cis-1,3-Dichloropropene	ND		50		ug/Kg			07/15/22 19:30	50
Carbon disulfide	ND		500		ug/Kg			07/15/22 19:30	50
Carbon tetrachloride	ND		50		ug/Kg			07/15/22 19:30	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249628/7
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
Chloroethane	ND		100		ug/Kg			07/15/22 19:30	50
Chloroform	ND		50		ug/Kg			07/15/22 19:30	50
Chloromethane	ND		1000		ug/Kg			07/15/22 19:30	50
Dibromochloromethane	ND		100		ug/Kg			07/15/22 19:30	50
Dibromomethane	ND		50		ug/Kg			07/15/22 19:30	50
Dichlorodifluoromethane	ND		100		ug/Kg			07/15/22 19:30	50
Di-isopropyl ether (DIPE)	ND		50		ug/Kg			07/15/22 19:30	50
Ethanol	ND		13000		ug/Kg			07/15/22 19:30	50
Ethylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Ethyl-t-butyl ether (ETBE)	ND		50		ug/Kg			07/15/22 19:30	50
Isopropylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Methylene Chloride	ND		500		ug/Kg			07/15/22 19:30	50
Methyl-t-Butyl Ether (MTBE)	ND		100		ug/Kg			07/15/22 19:30	50
Naphthalene	ND		500		ug/Kg			07/15/22 19:30	50
n-Butylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
N-Propylbenzene	ND		100		ug/Kg			07/15/22 19:30	50
o-Xylene	ND		50		ug/Kg			07/15/22 19:30	50
m,p-Xylene	ND		100		ug/Kg			07/15/22 19:30	50
p-Isopropyltoluene	ND		50		ug/Kg			07/15/22 19:30	50
sec-Butylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Styrene	ND		50		ug/Kg			07/15/22 19:30	50
trans-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 19:30	50
trans-1,3-Dichloropropene	ND		100		ug/Kg			07/15/22 19:30	50
Tert-amyl-methyl ether (TAME)	ND		50		ug/Kg			07/15/22 19:30	50
tert-Butyl alcohol (TBA)	ND		1000		ug/Kg			07/15/22 19:30	50
tert-Butylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Tetrachloroethene	ND		50		ug/Kg			07/15/22 19:30	50
Toluene	ND		50		ug/Kg			07/15/22 19:30	50
Trichloroethene	ND		100		ug/Kg			07/15/22 19:30	50
Trichlorofluoromethane	ND		500		ug/Kg			07/15/22 19:30	50
Vinyl acetate	ND		500		ug/Kg			07/15/22 19:30	50
Vinyl chloride	ND		50		ug/Kg			07/15/22 19:30	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 142*		*07/15/22 19:30*	*50*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*07/15/22 19:30*	*50*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*07/15/22 19:30*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/15/22 19:30*	*50*

Lab Sample ID: LCS 570-249628/3
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			50.0	49.05		ug/Kg		98	70 - 131		
1,2-Dibromoethane			50.0	53.93		ug/Kg		108	80 - 120		
1,2-Dichlorobenzene			50.0	54.38		ug/Kg		109	80 - 120		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-249628/3
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dichloroethane			50.0	48.45		ug/Kg		97	80 - 120		
Benzene			50.0	49.17		ug/Kg		98	80 - 120		
Carbon tetrachloride			50.0	48.59		ug/Kg		97	80 - 131		
Chlorobenzene			50.0	50.89		ug/Kg		102	80 - 120		
Di-isopropyl ether (DIPE)			50.0	48.14		ug/Kg		96	77 - 130		
Ethanol			500	639.8		ug/Kg		128	66 - 129		
Ethylbenzene			50.0	50.91		ug/Kg		102	80 - 120		
Ethyl-t-butyl ether (ETBE)			50.0	48.72		ug/Kg		97	80 - 135		
Methyl-t-Butyl Ether (MTBE)			50.0	49.37		ug/Kg		99	80 - 122		
o-Xylene			50.0	51.36		ug/Kg		103	80 - 120		
m,p-Xylene			100	100.5		ug/Kg		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 142*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-249628/4
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	43.35		ug/Kg		87	70 - 131	12	20
1,2-Dibromoethane			50.0	47.79		ug/Kg		96	80 - 120	12	20
1,2-Dichlorobenzene			50.0	47.31		ug/Kg		95	80 - 120	14	20
1,2-Dichloroethane			50.0	43.84		ug/Kg		88	80 - 120	10	20
Benzene			50.0	43.97		ug/Kg		88	80 - 120	11	20
Carbon tetrachloride			50.0	43.49		ug/Kg		87	80 - 131	11	20
Chlorobenzene			50.0	44.98		ug/Kg		90	80 - 120	12	20
Di-isopropyl ether (DIPE)			50.0	44.22		ug/Kg		88	77 - 130	8	20
Ethanol			500	620.3		ug/Kg		124	66 - 129	3	22
Ethylbenzene			50.0	44.38		ug/Kg		89	80 - 120	14	20
Ethyl-t-butyl ether (ETBE)			50.0	44.84		ug/Kg		90	80 - 135	8	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.45		ug/Kg		91	80 - 122	8	20
o-Xylene			50.0	44.71		ug/Kg		89	80 - 120	14	20
m,p-Xylene			100	87.63		ug/Kg		88	80 - 120	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 142*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-249519/5
Matrix: Solid
Analysis Batch: 249519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099		mg/Kg			07/15/22 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*42 - 126*		*07/15/22 12:00*	*1*

Lab Sample ID: LCS 570-249519/3
Matrix: Solid
Analysis Batch: 249519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			1.98	2.036		mg/Kg		103	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*

Lab Sample ID: LCSD 570-249519/4
Matrix: Solid
Analysis Batch: 249519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.98	2.206		mg/Kg		111	70 - 124	8	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*75*		*42 - 126*

Lab Sample ID: MB 570-250244/5
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098		mg/Kg			07/19/22 14:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*		*07/19/22 14:22*	*1*

Lab Sample ID: MB 570-250244/6
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		2.0		mg/Kg			07/19/22 14:45	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*		*07/19/22 14:45*	*20*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-250244/3
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			1.99	2.033		mg/Kg		102	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*

Lab Sample ID: LCSD 570-250244/4
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.96	1.985		mg/Kg		101	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-249541/1-A
Matrix: Solid
Analysis Batch: 249850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249541

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C7 as C7	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C8 as C8	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C9-C10	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C11-C12	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C13-C14	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C15-C16	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C17-C18	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C19-C20	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C21-C22	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C23-C24	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C25-C28	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C29-C32	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C33-C36	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C37-C40	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C41-C44	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C6-C44	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*126*		*60 - 138*	*07/15/22 10:40*	*07/18/22 12:26*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-249541/2-A
Matrix: Solid
Analysis Batch: 249850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	459.9		mg/Kg		115	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*128*		*60 - 138*

Lab Sample ID: LCSD 570-249541/3-A
Matrix: Solid
Analysis Batch: 249850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249541

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	454.0		mg/Kg		114	80 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*124*		*60 - 138*

Lab Sample ID: MB 570-250239/1-A
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250239

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C7 as C7	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C8 as C8	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C9-C10	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C11-C12	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C13-C14	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C15-C16	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C17-C18	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C19-C20	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C21-C22	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C23-C24	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C25-C28	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C29-C32	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C33-C36	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C37-C40	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C41-C44	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C6-C44	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*60 - 138*	*07/19/22 11:49*	*07/19/22 17:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-250239/2-A
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250239

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	453.6		mg/Kg		113	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: LCSD 570-250239/3-A
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	461.9		mg/Kg		115	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: 570-103103-11 MS
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: SP-UST-North
Prep Type: Total/NA
Prep Batch: 250239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	22		394	543.7		mg/Kg		132	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*107*		*60 - 138*

Lab Sample ID: 570-103103-11 MSD
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: SP-UST-North
Prep Type: Total/NA
Prep Batch: 250239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	22		393	492.2		mg/Kg		120	43 - 165	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*120*		*60 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-249451/1-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249451

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Arsenic	ND		2.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Barium	ND		2.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-249451/1-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249451

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.498		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Cadmium	ND		0.498		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Chromium	ND		0.995		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Cobalt	ND		0.995		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Copper	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Lead	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Molybdenum	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Nickel	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Selenium	ND		2.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Silver	ND		1.49		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Thallium	ND		9.95		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Vanadium	ND		0.995		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Zinc	ND		4.98		mg/Kg		07/15/22 08:30	07/15/22 12:51	5

Lab Sample ID: LCS 570-249451/2-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249451

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			50.8	54.80		mg/Kg		108	80 - 120		
Arsenic			50.8	51.52		mg/Kg		102	80 - 120		
Barium			50.8	51.45		mg/Kg		101	80 - 120		
Beryllium			50.8	50.62		mg/Kg		100	80 - 120		
Cadmium			50.8	50.06		mg/Kg		99	80 - 120		
Chromium			50.8	51.78		mg/Kg		102	80 - 120		
Cobalt			50.8	50.11		mg/Kg		99	80 - 120		
Copper			50.8	50.70		mg/Kg		100	80 - 120		
Lead			50.8	51.41		mg/Kg		101	80 - 120		
Molybdenum			50.8	52.31		mg/Kg		103	80 - 120		
Nickel			50.8	51.45		mg/Kg		101	80 - 120		
Selenium			50.8	48.21		mg/Kg		95	80 - 120		
Silver			25.4	25.62		mg/Kg		101	80 - 120		
Thallium			50.8	49.78		mg/Kg		98	80 - 120		
Vanadium			50.8	50.89		mg/Kg		100	80 - 120		
Zinc			50.8	50.09		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 570-249451/3-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249451

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony			49.8	52.45		mg/Kg		105	80 - 120	4	20
Arsenic			49.8	48.71		mg/Kg		98	80 - 120	6	20
Barium			49.8	50.20		mg/Kg		101	80 - 120	2	20
Beryllium			49.8	49.49		mg/Kg		99	80 - 120	2	20
Cadmium			49.8	48.58		mg/Kg		98	80 - 120	3	20
Chromium			49.8	50.44		mg/Kg		101	80 - 120	3	20
Cobalt			49.8	48.93		mg/Kg		98	80 - 120	2	20
Copper			49.8	49.66		mg/Kg		100	80 - 120	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-249451/3-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	49.8	49.74		mg/Kg		100	80 - 120	3	20
Molybdenum	49.8	51.55		mg/Kg		104	80 - 120	1	20
Nickel	49.8	50.22		mg/Kg		101	80 - 120	2	20
Selenium	49.8	46.54		mg/Kg		94	80 - 120	4	20
Silver	24.9	25.09		mg/Kg		101	80 - 120	2	20
Thallium	49.8	48.36		mg/Kg		97	80 - 120	3	20
Vanadium	49.8	49.69		mg/Kg		100	80 - 120	2	20
Zinc	49.8	48.62		mg/Kg		98	80 - 120	3	20

Lab Sample ID: MB 570-249804/1-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249804

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Arsenic	ND		2.94		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Barium	ND		2.94		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Beryllium	ND		0.490		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Cadmium	ND		0.490		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Chromium	ND		0.980		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Cobalt	ND		0.980		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Copper	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Lead	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Molybdenum	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Nickel	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Selenium	ND		2.94		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Silver	ND		1.47		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Thallium	ND		9.80		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Vanadium	ND		0.980		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Zinc	ND		4.90		mg/Kg		07/18/22 10:15	07/19/22 13:47	5

Lab Sample ID: LCS 570-249804/2-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.3	51.65		mg/Kg		103	80 - 120
Arsenic	50.3	43.30		mg/Kg		86	80 - 120
Barium	50.3	43.93		mg/Kg		87	80 - 120
Beryllium	50.3	43.44		mg/Kg		86	80 - 120
Cadmium	50.3	43.15		mg/Kg		86	80 - 120
Chromium	50.3	43.93		mg/Kg		87	80 - 120
Cobalt	50.3	43.43		mg/Kg		86	80 - 120
Copper	50.3	43.61		mg/Kg		87	80 - 120
Lead	50.3	43.81		mg/Kg		87	80 - 120
Molybdenum	50.3	44.20		mg/Kg		88	80 - 120
Nickel	50.3	44.36		mg/Kg		88	80 - 120
Selenium	50.3	40.52		mg/Kg		81	80 - 120
Silver	25.1	22.05		mg/Kg		88	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-249804/2-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	50.3	43.57		mg/Kg		87	80 - 120
Vanadium	50.3	43.78		mg/Kg		87	80 - 120
Zinc	50.3	42.61		mg/Kg		85	80 - 120

Lab Sample ID: LCSD 570-249804/3-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249804

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.8	51.81		mg/Kg		102	80 - 120	0	20
Arsenic	50.8	43.98		mg/Kg		87	80 - 120	2	20
Barium	50.8	45.04		mg/Kg		89	80 - 120	2	20
Beryllium	50.8	44.47		mg/Kg		88	80 - 120	2	20
Cadmium	50.8	44.31		mg/Kg		87	80 - 120	3	20
Chromium	50.8	44.96		mg/Kg		89	80 - 120	2	20
Cobalt	50.8	44.42		mg/Kg		88	80 - 120	2	20
Copper	50.8	44.72		mg/Kg		88	80 - 120	3	20
Lead	50.8	44.73		mg/Kg		88	80 - 120	2	20
Molybdenum	50.8	45.66		mg/Kg		90	80 - 120	3	20
Nickel	50.8	45.25		mg/Kg		89	80 - 120	2	20
Selenium	50.8	42.02		mg/Kg		83	80 - 120	4	20
Silver	25.4	22.61		mg/Kg		89	80 - 120	3	20
Thallium	50.8	44.52		mg/Kg		88	80 - 120	2	20
Vanadium	50.8	44.91		mg/Kg		88	80 - 120	3	20
Zinc	50.8	44.23		mg/Kg		87	80 - 120	4	20

Lab Sample ID: MB 570-250204/1-A ^5
Matrix: Solid
Analysis Batch: 250336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250204

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Arsenic	ND		2.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Barium	ND		2.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Beryllium	ND		0.498	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Cadmium	ND		0.498	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Chromium	ND		0.995	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Cobalt	ND		0.995	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Copper	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Lead	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Molybdenum	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Nickel	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Selenium	ND		2.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Silver	ND		1.49	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Thallium	ND		9.95	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Vanadium	ND		0.995	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Zinc	ND		4.98	mg/Kg		07/19/22 10:45	07/19/22 15:42	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-250204/2-A ^5
Matrix: Solid
Analysis Batch: 250336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	49.5	52.35		mg/Kg		106	80 - 120
Arsenic	49.5	48.35		mg/Kg		98	80 - 120
Barium	49.5	48.55		mg/Kg		98	80 - 120
Beryllium	49.5	47.82		mg/Kg		97	80 - 120
Cadmium	49.5	47.69		mg/Kg		96	80 - 120
Chromium	49.5	48.48		mg/Kg		98	80 - 120
Cobalt	49.5	47.74		mg/Kg		96	80 - 120
Copper	49.5	48.12		mg/Kg		97	80 - 120
Lead	49.5	48.17		mg/Kg		97	80 - 120
Molybdenum	49.5	49.31		mg/Kg		100	80 - 120
Nickel	49.5	48.71		mg/Kg		98	80 - 120
Selenium	49.5	45.47		mg/Kg		92	80 - 120
Silver	24.8	24.26		mg/Kg		98	80 - 120
Thallium	49.5	47.31		mg/Kg		96	80 - 120
Vanadium	49.5	48.04		mg/Kg		97	80 - 120
Zinc	49.5	47.10		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 570-250204/3-A ^5
Matrix: Solid
Analysis Batch: 250336

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.8	55.69		mg/Kg		110	80 - 120	6	20
Arsenic	50.8	50.28		mg/Kg		99	80 - 120	4	20
Barium	50.8	50.58		mg/Kg		100	80 - 120	4	20
Beryllium	50.8	49.95		mg/Kg		98	80 - 120	4	20
Cadmium	50.8	49.35		mg/Kg		97	80 - 120	3	20
Chromium	50.8	50.55		mg/Kg		100	80 - 120	4	20
Cobalt	50.8	49.39		mg/Kg		97	80 - 120	3	20
Copper	50.8	50.18		mg/Kg		99	80 - 120	4	20
Lead	50.8	50.36		mg/Kg		99	80 - 120	4	20
Molybdenum	50.8	51.76		mg/Kg		102	80 - 120	5	20
Nickel	50.8	50.88		mg/Kg		100	80 - 120	4	20
Selenium	50.8	47.58		mg/Kg		94	80 - 120	5	20
Silver	25.4	25.30		mg/Kg		100	80 - 120	4	20
Thallium	50.8	49.67		mg/Kg		98	80 - 120	5	20
Vanadium	50.8	50.11		mg/Kg		99	80 - 120	4	20
Zinc	50.8	49.14		mg/Kg		97	80 - 120	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-249412/1-A
Matrix: Solid
Analysis Batch: 249651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249412

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0850	mg/Kg		07/14/22 22:44	07/15/22 14:08	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-249412/2-A
Matrix: Solid
Analysis Batch: 249651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.408	0.3952		mg/Kg		97	85 - 121

Lab Sample ID: LCSD 570-249412/3-A
Matrix: Solid
Analysis Batch: 249651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249412

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.392	0.3916		mg/Kg		100	85 - 121	1	10

Lab Sample ID: MB 570-249956/1-A
Matrix: Solid
Analysis Batch: 250060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249956

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0868	mg/Kg		07/18/22 14:00	07/18/22 17:32	1

Lab Sample ID: LCS 570-249956/2-A
Matrix: Solid
Analysis Batch: 250060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.408	0.3911		mg/Kg		96	85 - 121

Lab Sample ID: LCSD 570-249956/3-A
Matrix: Solid
Analysis Batch: 250060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249956

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.385	0.3675		mg/Kg		96	85 - 121	6	10

Lab Sample ID: MB 570-250206/1-A
Matrix: Solid
Analysis Batch: 250298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250206

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	mg/Kg		07/19/22 10:38	07/19/22 13:28	1

Lab Sample ID: LCS 570-250206/2-A
Matrix: Solid
Analysis Batch: 250298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.400	0.3544		mg/Kg		89	85 - 121

Lab Sample ID: LCSD 570-250206/3-A
Matrix: Solid
Analysis Batch: 250298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.400	0.3685		mg/Kg		92	85 - 121	4	10

GC/MS VOA

Analysis Batch: 249502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-2	0714-6-WEST	Total/NA	Solid	8260B	249540
570-103103-5	0714-4-WEST	Total/NA	Solid	8260B	249540
570-103103-6	0714-4-EAST	Total/NA	Solid	8260B	249540
570-103103-7	0714-3-WEST	Total/NA	Solid	8260B	249540
570-103103-8	0714-3-EAST	Total/NA	Solid	8260B	249540
570-103103-9	0714-2-WEST	Total/NA	Solid	8260B	249540
570-103103-10	0714-2-EAST	Total/NA	Solid	8260B	249540
570-103103-11	SP-UST-North	Total/NA	Solid	8260B	249540
MB 570-249502/7	Method Blank	Total/NA	Solid	8260B	
MB 570-249502/8	Method Blank	Total/NA	Solid	8260B	
LCS 570-249502/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-249502/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 249540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	5035	
570-103103-2	0714-6-WEST	Total/NA	Solid	5035	
570-103103-3	0714-5-WEST	Total/NA	Solid	5035	
570-103103-4	0714-5-EAST	Total/NA	Solid	5035	
570-103103-5	0714-4-WEST	Total/NA	Solid	5035	
570-103103-6	0714-4-EAST	Total/NA	Solid	5035	
570-103103-7	0714-3-WEST	Total/NA	Solid	5035	
570-103103-8	0714-3-EAST	Total/NA	Solid	5035	
570-103103-9	0714-2-WEST	Total/NA	Solid	5035	
570-103103-10	0714-2-EAST	Total/NA	Solid	5035	
570-103103-11	SP-UST-North	Total/NA	Solid	5035	
570-103103-12	SP-UST-South	Total/NA	Solid	5035	
570-103103-13	SP-1166	Total/NA	Solid	5035	

Analysis Batch: 249628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	8260B	249540
570-103103-3	0714-5-WEST	Total/NA	Solid	8260B	249540
570-103103-4	0714-5-EAST	Total/NA	Solid	8260B	249540
570-103103-12	SP-UST-South	Total/NA	Solid	8260B	249540
570-103103-13	SP-1166	Total/NA	Solid	8260B	249540
MB 570-249628/6	Method Blank	Total/NA	Solid	8260B	
MB 570-249628/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-249628/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-249628/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC VOA

Analysis Batch: 249519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	8015B	249540
570-103103-2	0714-6-WEST	Total/NA	Solid	8015B	249540
570-103103-3	0714-5-WEST	Total/NA	Solid	8015B	249540
570-103103-4	0714-5-EAST	Total/NA	Solid	8015B	249540
570-103103-5	0714-4-WEST	Total/NA	Solid	8015B	249540
570-103103-6	0714-4-EAST	Total/NA	Solid	8015B	249540

GC VOA (Continued)

Analysis Batch: 249519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-10	0714-2-EAST	Total/NA	Solid	8015B	249540
570-103103-11	SP-UST-North	Total/NA	Solid	8015B	249540
570-103103-12	SP-UST-South	Total/NA	Solid	8015B	249540
570-103103-13	SP-1166	Total/NA	Solid	8015B	249540
MB 570-249519/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-249519/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-249519/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

Prep Batch: 249540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	5035	
570-103103-2	0714-6-WEST	Total/NA	Solid	5035	
570-103103-3	0714-5-WEST	Total/NA	Solid	5035	
570-103103-4	0714-5-EAST	Total/NA	Solid	5035	
570-103103-5	0714-4-WEST	Total/NA	Solid	5035	
570-103103-6	0714-4-EAST	Total/NA	Solid	5035	
570-103103-7	0714-3-WEST	Total/NA	Solid	5035	
570-103103-8	0714-3-EAST	Total/NA	Solid	5035	
570-103103-9	0714-2-WEST	Total/NA	Solid	5035	
570-103103-10	0714-2-EAST	Total/NA	Solid	5035	
570-103103-11	SP-UST-North	Total/NA	Solid	5035	
570-103103-12	SP-UST-South	Total/NA	Solid	5035	
570-103103-13	SP-1166	Total/NA	Solid	5035	

Analysis Batch: 250244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	8015B	249540
570-103103-8	0714-3-EAST	Total/NA	Solid	8015B	249540
570-103103-9	0714-2-WEST	Total/NA	Solid	8015B	249540
MB 570-250244/5	Method Blank	Total/NA	Solid	8015B	
MB 570-250244/6	Method Blank	Total/NA	Solid	8015B	
LCS 570-250244/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-250244/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 249541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	3550C	
570-103103-2	0714-6-WEST	Total/NA	Solid	3550C	
570-103103-3	0714-5-WEST	Total/NA	Solid	3550C	
570-103103-4	0714-5-EAST	Total/NA	Solid	3550C	
MB 570-249541/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-249541/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-249541/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 249850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	8015B	249541
570-103103-2	0714-6-WEST	Total/NA	Solid	8015B	249541
570-103103-3	0714-5-WEST	Total/NA	Solid	8015B	249541

GC Semi VOA (Continued)

Analysis Batch: 249850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-4	0714-5-EAST	Total/NA	Solid	8015B	249541
MB 570-249541/1-A	Method Blank	Total/NA	Solid	8015B	249541
LCS 570-249541/2-A	Lab Control Sample	Total/NA	Solid	8015B	249541
LCSD 570-249541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	249541

Analysis Batch: 250214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	8015B	250239
570-103103-12	SP-UST-South	Total/NA	Solid	8015B	250239
570-103103-13	SP-1166	Total/NA	Solid	8015B	250239
MB 570-250239/1-A	Method Blank	Total/NA	Solid	8015B	250239
LCS 570-250239/2-A	Lab Control Sample	Total/NA	Solid	8015B	250239
LCSD 570-250239/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	250239
570-103103-11 MS	SP-UST-North	Total/NA	Solid	8015B	250239
570-103103-11 MSD	SP-UST-North	Total/NA	Solid	8015B	250239

Prep Batch: 250239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	3550C	
570-103103-12	SP-UST-South	Total/NA	Solid	3550C	
570-103103-13	SP-1166	Total/NA	Solid	3550C	
MB 570-250239/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-250239/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-250239/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-103103-11 MS	SP-UST-North	Total/NA	Solid	3550C	
570-103103-11 MSD	SP-UST-North	Total/NA	Solid	3550C	

Metals

Prep Batch: 249412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	7471A	
MB 570-249412/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-249412/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-249412/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 249451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	3050B	
MB 570-249451/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-249451/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-249451/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 249591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	6010B	249451
MB 570-249451/1-A ^5	Method Blank	Total/NA	Solid	6010B	249451
LCS 570-249451/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	249451
LCSD 570-249451/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	249451

Metals

Analysis Batch: 249651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	7471A	249412
MB 570-249412/1-A	Method Blank	Total/NA	Solid	7471A	249412
LCS 570-249412/2-A	Lab Control Sample	Total/NA	Solid	7471A	249412
LCSD 570-249412/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	249412

Prep Batch: 249804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	3050B	
MB 570-249804/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-249804/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-249804/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 249956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	7471A	
MB 570-249956/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-249956/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-249956/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 250060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	7471A	249956
MB 570-249956/1-A	Method Blank	Total/NA	Solid	7471A	249956
LCS 570-249956/2-A	Lab Control Sample	Total/NA	Solid	7471A	249956
LCSD 570-249956/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	249956

Prep Batch: 250204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	3050B	
570-103103-12	SP-UST-South	Total/NA	Solid	3050B	
570-103103-13	SP-1166	Total/NA	Solid	3050B	
MB 570-250204/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-250204/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-250204/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 250206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	7471A	
570-103103-12	SP-UST-South	Total/NA	Solid	7471A	
570-103103-13	SP-1166	Total/NA	Solid	7471A	
MB 570-250206/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-250206/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-250206/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 250298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	7471A	250206
570-103103-12	SP-UST-South	Total/NA	Solid	7471A	250206
570-103103-13	SP-1166	Total/NA	Solid	7471A	250206
MB 570-250206/1-A	Method Blank	Total/NA	Solid	7471A	250206
LCS 570-250206/2-A	Lab Control Sample	Total/NA	Solid	7471A	250206

Metals (Continued)

Analysis Batch: 250298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-250206/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	250206

Analysis Batch: 250336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	6010B	250204
570-103103-12	SP-UST-South	Total/NA	Solid	6010B	250204
570-103103-13	SP-1166	Total/NA	Solid	6010B	250204
MB 570-250204/1-A ^5	Method Blank	Total/NA	Solid	6010B	250204
LCS 570-250204/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	250204
LCSD 570-250204/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	250204

Analysis Batch: 250354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	6010B	249804
MB 570-249804/1-A ^5	Method Blank	Total/NA	Solid	6010B	249804
LCS 570-249804/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	249804
LCSD 570-249804/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	249804

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-6-EAST

Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.464 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 21:15	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			5.312 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 14:45	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.17 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 15:22	N1A	EET CAL
	Instrument ID: GC69A									
Total/NA	Prep	3050B			2.00 g	50 mL	249451	07/15/22 08:30		EET CAL
Total/NA	Analysis	6010B		5			249591	07/15/22 13:31	K1UV	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.50 g	50 mL	249412	07/14/22 22:44	SR3N	EET CAL
Total/NA	Analysis	7471A		1			249651	07/15/22 14:21	UWCT	EET CAL
	Instrument ID: HG7									

Client Sample ID: 0714-6-WEST

Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.196 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 14:31	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			4.684 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 15:08	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.14 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 15:47	N1A	EET CAL
	Instrument ID: GC69A									

Client Sample ID: 0714-5-WEST

Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.595 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 21:36	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			4.575 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 15:32	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.18 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 16:12	N1A	EET CAL
	Instrument ID: GC69A									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-5-EAST

Lab Sample ID: 570-103103-4

Date Collected: 07/14/22 14:10

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.532 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 21:57	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			5.49 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 17:05	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.15 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 16:37	N1A	EET CAL
	Instrument ID: GC69A									

Client Sample ID: 0714-4-WEST

Lab Sample ID: 570-103103-5

Date Collected: 07/14/22 12:51

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.022 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 15:33	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.882 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 17:29	U1MC	EET CAL
	Instrument ID: GC56									

Client Sample ID: 0714-4-EAST

Lab Sample ID: 570-103103-6

Date Collected: 07/14/22 12:57

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.768 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 15:54	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.123 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 17:52	U1MC	EET CAL
	Instrument ID: GC56									

Client Sample ID: 0714-3-WEST

Lab Sample ID: 570-103103-7

Date Collected: 07/14/22 11:52

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.38 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		2000	5 mL	5 mL	249502	07/15/22 17:38	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.38 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		500	5 mL	5 mL	250244	07/19/22 15:56	A9VE	EET CAL
	Instrument ID: GC1									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-3-WEST

Lab Sample ID: 570-103103-7

Date Collected: 07/14/22 11:52
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	249804	07/18/22 10:15		EET CAL 4
Total/NA	Analysis	6010B		5			250354	07/19/22 15:04	VZ0K	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	249956	07/18/22 14:00	CS5Z	EET CAL
Total/NA	Analysis	7471A		1			250060	07/18/22 17:45	UWCT	EET CAL
	Instrument ID: HG7									

Client Sample ID: 0714-3-EAST

Lab Sample ID: 570-103103-8

Date Collected: 07/14/22 11:54
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.485 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 16:15	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.833 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	250244	07/19/22 15:32	A9VE	EET CAL
	Instrument ID: GC1									

Client Sample ID: 0714-2-WEST

Lab Sample ID: 570-103103-9

Date Collected: 07/14/22 10:50
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.012 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 16:36	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.559 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	250244	07/19/22 15:09	A9VE	EET CAL
	Instrument ID: GC1									

Client Sample ID: 0714-2-EAST

Lab Sample ID: 570-103103-10

Date Collected: 07/14/22 11:10
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.92 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		50	5 mL	5 mL	249502	07/15/22 17:59	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.095 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 19:26	U1MC	EET CAL
	Instrument ID: GC56									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: SP-UST-North

Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.042 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 16:57	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			4.885 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 19:49	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.12 g	10 mL	250239	07/19/22 11:49	USUL	EET CAL
Total/NA	Analysis	8015B		1			250214	07/19/22 19:18	N5Y3	EET CAL
	Instrument ID: GC69A									
Total/NA	Prep	3050B			1.96 g	50 mL	250204	07/19/22 10:45		EET CAL
Total/NA	Analysis	6010B		5			250336	07/19/22 16:16	VZ0K	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	250206	07/19/22 10:38		EET CAL
Total/NA	Analysis	7471A		1			250298	07/19/22 13:41	C0YH	EET CAL
	Instrument ID: HG7									

Client Sample ID: SP-UST-South

Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.103 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 22:18	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			5.668 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 20:13	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.16 g	10 mL	250239	07/19/22 11:49	USUL	EET CAL
Total/NA	Analysis	8015B		1			250214	07/19/22 19:44	N5Y3	EET CAL
	Instrument ID: GC69A									
Total/NA	Prep	3050B			1.95 g	50 mL	250204	07/19/22 10:45		EET CAL
Total/NA	Analysis	6010B		5			250336	07/19/22 16:18	VZ0K	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	250206	07/19/22 10:38		EET CAL
Total/NA	Analysis	7471A		1			250298	07/19/22 13:43	C0YH	EET CAL
	Instrument ID: HG7									

Client Sample ID: SP-1166

Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.59 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		50	5 mL	5 mL	249628	07/15/22 22:39	AJ4K	EET CAL
	Instrument ID: GCMSQ									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: SP-1166

Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.352 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 20:36	U1MC	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.11 g	10 mL	250239	07/19/22 11:49	USUL	EET CAL 4
Total/NA	Analysis	8015B		1			250214	07/19/22 20:09	N5Y3	EET CAL 4
	Instrument ID: GC69A									
Total/NA	Prep	3050B			2.00 g	50 mL	250204	07/19/22 10:45		EET CAL 4
Total/NA	Analysis	6010B		5			250336	07/19/22 16:21	VZ0K	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.49 g	50 mL	250206	07/19/22 10:38		EET CAL 4
Total/NA	Analysis	7471A		1			250298	07/19/22 13:45	C0YH	EET CAL 4
	Instrument ID: HG7									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Citadel Environmental Services Inc
Job ID: 570-103103-1
Project/Site: 1185 Sunset Blvd.

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-22

Method Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-103103-1	0714-6-EAST	Solid	07/14/22 14:25	07/14/22 16:56
570-103103-2	0714-6-WEST	Solid	07/14/22 14:20	07/14/22 16:56
570-103103-3	0714-5-WEST	Solid	07/14/22 14:03	07/14/22 16:56
570-103103-4	0714-5-EAST	Solid	07/14/22 14:10	07/14/22 16:56
570-103103-5	0714-4-WEST	Solid	07/14/22 12:51	07/14/22 16:56
570-103103-6	0714-4-EAST	Solid	07/14/22 12:57	07/14/22 16:56
570-103103-7	0714-3-WEST	Solid	07/14/22 11:52	07/14/22 16:56
570-103103-8	0714-3-EAST	Solid	07/14/22 11:54	07/14/22 16:56
570-103103-9	0714-2-WEST	Solid	07/14/22 10:50	07/14/22 16:56
570-103103-10	0714-2-EAST	Solid	07/14/22 11:10	07/14/22 16:56
570-103103-11	SP-UST-North	Solid	07/14/22 13:02	07/14/22 16:56
570-103103-12	SP-UST-South	Solid	07/14/22 13:07	07/14/22 16:56
570-103103-13	SP-1166	Solid	07/14/22 13:33	07/14/22 16:56

Patel, Virendra

From: Scott Grasse <SGrasse@citadelehs.com>
Sent: Friday, July 15, 2022 6:59 AM
To: Patel, Virendra
Subject: RE: analyses modifications for ECI Project#57011761 - 1185 Sunset

EXTERNAL EMAIL*

To clarify, remove the independent analysis for ethanol since ethanol will come be reported with oxygenates.

Scott Grasse, PG, MSc
Project Geologist
CITADEL EHS
assess • resolve • strengthen
Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
www.CitadelEHS.com
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From: Scott Grasse
Sent: Friday, July 15, 2022 6:52 AM
To: Patel, Virendra <Virendra.Patel@et.eurofinsus.com>
Cc: Ovalle, Erick <Erick.Ovalle@et.eurofinsus.com>
Subject: analyses modifications for ECI Project#57011761 - 1185 Sunset

Virendra,

Please cancel the request for ethanol analyses for all samples on this project. Also, please add TPH full carbon chain and T22 metals 6010B/7471A for sample 0714-3-WEST.

Thank you, Scott

Scott Grasse, PG, MSc
Project Geologist

CITADEL EHS
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Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
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570-103103 Chain of Custody

CHA...

DATE: .

PAGE: 1

2841 Dow Avenue, Suite 100 Tustin CA 92780-7211 • (714) 895-5494

LABORATORY CLIENT: Citadel EHS

ADDRESS: 1725 Victory Blvd

CITY: Glendale STATE: CA ZIP: 91201

TEL: 562-547-3061 E-MAIL: sgrasse@citadelehs.com

CLIENT PROJECT NAME / NUMBER: 1145 Sunset Blvd

PO NO.: 0942.10

PROJECT CONTACT: Scott Grasse

SAMPLER(S): (PRINT) Scott Grasse

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD')

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF | GLOBAL ID: | ECI PROJECT NO. | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH	BTEX / MTBE ☒ 8260 ☐	VOCs (8260) + Naphthalene	Oxygenates (8260)	Prep (5035) ☐ En Core ☒ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Ethanol
1	0714-6-EAST	7/14/22	14:25	Soil	5-5035 1-402	X	X		X		X		X	X	X	X					X		X
2	0714-6-WEST		14:20								X										X		
3	0714-5-WEST		14:03								X										X		
4	0714-5-EAST		14:10								X										X		
5	0714-4-WEST		12:51																				
6	0714-4-EAST		12:57																				
7	0714-3-WEST		11:52																				
8	0714-3-EAST		11:54																				
9	0714-2-WEST		10:50																				
10	0714-2-EAST		11:10																				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Scott Grasse	[signature]	7/14/22	16:56
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time:

4-9/4-9 SCM

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103103

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CHAIN OF CUSTODY RECORD

DATE: 7/14/20

PAGE: 2 OF 2

LABORATORY CLIENT: Citadel EHS

ADDRESS: 1725 Victory Blvd

CITY: Glendale STATE: CA ZIP: 91201

TEL: 562-547-3061 E-MAIL: Sgrasse@citadelehs.com

CLIENT PROJECT NAME / NUMBER: 1185 Sunset Blvd

PO NO: 0942.1020.1

PROJECT CONTACT: Scott Grasse

SAMPLER(S) (PRINT): Scott Grasse

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF | GLOBAL ID: | ECI PROJECT NO. | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☒ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☒ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Ethanol
11	SP-UST-North	7/14/22	13:02	Soil	(5)5035 1 4oz	X	X		X		X		X	X	X	X					X		X
12	SP-UST-South		13:07																				
13	SP-1166		13:33																				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time:
	S	7/14/22	1656
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time.

01/28/22 Revision

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8/25/2022 (Rev. 1)

Login Sample Receipt Checklist

Client: Citadel Environmental Services Inc

Job Number: 570-103103-1

Login Number: 103103
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

American Scientific Laboratories, LLC
Environmental Testing Services
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18 August 2022

Scott Grasse

Citadel Environmental Services, Inc.

1725 Victory Boulevard

Glendale, CA 91201

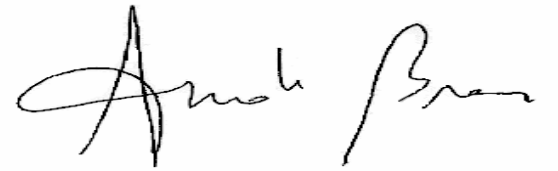
Work Order #: 2208044

Project Name: UST Soil Sampling

Project ID: 0942.1020.0

Site Address: 1185 Sunset Blvd. Los Angeles

Enclosed are the results of analyses for samples received by the laboratory on August 11, 2022. If you have any questions concerning this report, please feel free to contact us.



Molky Brar

Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies , omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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CHAIN OF CUSTODY RECORD

COC# 92044 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 2208044

Company: Citadel FHS		Report To:	
Address: 1745 Victory Blvd Glendale	Project Name: UST Soil Sampling	Address:	
Telephone: Fax: 562-547-3061	Site Address: 1185 Sunset Blvd Los Angeles	Invoice To:	
Special Instruction: TPHg MDL = 100 mg/kg	Project ID: 0942.1020.0	Address:	
E-mail:	Project Manager: Scott Grasse	P.O.#: 0942.1020.0	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260	TPH 8015	TPH 8015	Remarks
	2208044-01	UST SOIL - 061122	6/11/22	09:10	1	5035 5-vial	Soil	ICE	X	X	X	See Attached MDL Requirements
					1	Jar	Soil	—				

Collected By: Scott Grasse	Date 6/11/22	Time 10:29	Relinquished By:	Date 6-11-22	Time 10:30
Relinquished By:	Date	Time	Received For Laboratory Janet Chen	Date 6.11.22	Time 10:30
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

Job# 2208044

ASL Sample Receipt Form

Client: Citadel Environmental Services, Inc.

Date: 8-11-2022

Sample Information:

Temperature: 5.4 °C IR Gun # 1 ☐ Blank ☑ Sample

Custody Seal: ☐ Yes ☑ No ☐ Not Available

Received Within Holding Time: ☑ Yes ☐ No

Container:

Proper Containers and Sufficient Volume: ☑ Yes ☐ No

Soil: 1 ☑ 4oz ☐ 8oz ☐ Sleeve 5 ☑ VOA (4- Sodium Bisulfate + 1- Methanol

Water: ☐ 500AG ☐ 1AG ☐ 125PB ☐ 250PB ☐ 500PB ☐ VOA ☐ Other _____

Air: ☐ Tedlar®

Sample Containers Intact: ☑ Yes ☐ No

Trip Blank ☐ Yes ☑ No

Chain-of-Custody (COC):

Received: ☑ Yes ☐ No

Samplers Name: ☑ Yes ☐ No

Container Labels match COC: ☑ Yes ☐ No

COC documents received complete: ☑ Yes ☐ No

Proper Preservation Noted: ☑ Yes ☐ No

Completed By: Janet Chin

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Citadel Environmental Services, Inc.	Project: UST Soil Sampling	Work Order No: 2208044
1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

ANALYTICAL SUMMARY REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
UST Soil - 081122	2208044-01	Solid	08/11/2022 09:10	08/11/2022 10:30

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Amolk Brar, Lab Director

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Citadel Environmental Services, Inc.	Project: UST Soil Sampling	Work Order No: 2208044
1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Analytical Results

Client Sample ID: UST Soil - 081122

Laboratory Sample ID: 2208044-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BH20154			Prepared: 08/11/2022 11:00			
Gasoline Range Organics	ND		250	500	ug/kg	1	5035	08/11/2022 16:41	DW	8015B
Surrogate: Bromofluorobenzene		*S-04*	*124 %*	*70-120*			5035	08/11/2022 16:41	DW	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BH20122			Prepared: 08/11/2022 13:00			
Diesel range organics	ND		1.00	10.0	mg/kg	1	3550B	08/12/2022 06:12	DW	8015B
Oil Range Organics	ND		17.0	50.0	mg/kg	1	3550B	08/12/2022 06:12	DW	8015B
Surrogate: Chlorobenzene			*115 %*	*70-120*			3550B	08/12/2022 06:12	DW	*8015B*
Volatile Organic Compounds + OXY				Batch ID: BH20146			Prepared: 08/12/2022 09:00			
Acetone	**13.6**	J	12.7	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Butanone (MEK)	ND		5.83	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
n-Butyl Benzene	ND		2.05	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Di-Isopropyl ether (DIPE)	ND		1.16	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B

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Amolk Brar, Lab Director

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Citadel Environmental Services, Inc.	Project: UST Soil Sampling	Work Order No: 2208044
1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Analytical Results

Client Sample ID: UST Soil - 081122

Laboratory Sample ID: 2208044-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds + OXY				Batch ID: BH20146			Prepared: 08/12/2022 09:00			
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Ethyl tert-butyl ether (ETBE)	ND		1.35	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Tert-Amyl methyl ether (TAME)	ND		1.00	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
TBA	ND		10.0	20.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B

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Amolk Brar, Lab Director

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Citadel Environmental Services, Inc.	Project: UST Soil Sampling	Work Order No: 2208044
1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Analytical Results

Client Sample ID: UST Soil - 081122

Laboratory Sample ID: 2208044-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds + OXY				Batch ID: BH20146			Prepared: 08/12/2022 09:00			
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
o-Xylene	ND		1.80	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Surrogate: 4-Bromofluorobenzene		*S-04*	*122 %*		*70-120*		5035	08/13/2022 05:47	DW	*8260B*
Surrogate: Dibromofluoromethane		*S-04*	*140 %*		*70-120*		5035	08/13/2022 05:47	DW	*8260B*
Surrogate: Toluene-d8			*106 %*		*70-120*		5035	08/13/2022 05:47	DW	*8260B*

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Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH20154 - 5035 - 8015B											
LCS (BH20154-BS1)					Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	495			ug/L	500		98.9	75-120			
LCS Dup (BH20154-BSD1)					Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	486			ug/L	500		97.1	75-120	1.81	15	
Matrix Spike (BH20154-MS1)		**Source: 2208028-02**			Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	254			ug/L	500	19.3	46.9	75-120			QM-05
Matrix Spike Dup (BH20154-MSD1)		**Source: 2208028-02**			Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	301			ug/L	500	19.3	56.3	75-120	16.9	15	QM-05

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1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH20122 - 3550B - 8015B											
Blank (BH20122-BLK1)					Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	ND	1.00	10.0	mg/kg							
Oil Range Organics	ND	17.0	50.0	"							
Surrogate: Chlorobenzene	*117*			*mg/L*	*100*		*117*	*70-120*			
LCS (BH20122-BS1)					Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	530			mg/L	500		106	75-120			
Surrogate: Chlorobenzene	*110*			*"*	*100*		*110*	*70-120*			
LCS Dup (BH20122-BSD1)					Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	496			mg/L	500		99.3	75-120	6.55	20	
Surrogate: Chlorobenzene	*100*			*"*	*100*		*100*	*70-120*			
Matrix Spike (BH20122-MS1)		**Source: 2208029-02**			Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	510			mg/L	500	0.00	102	75-120			
Surrogate: Chlorobenzene	*109*			*"*	*100*		*109*	*70-120*			
Matrix Spike Dup (BH20122-MSD1)		**Source: 2208029-02**			Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	517			mg/L	500	0.00	103	75-120	1.28	20	
Surrogate: Chlorobenzene	*112*			*"*	*100*		*112*	*70-120*			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the practical quantitation limit (PQL)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CITADEL
ENVIRONMENTAL SERVICES, INC.
assess • resolve • strengthen

Appendix D
Health and Safety Plan

CITADEL EHS
assess resolve strengthen

Integrated Demolition and Remediation, Inc
4938 East La Palma Avenue
Anaheim, California 92807

Health and Safety Plan

July 14, 2022

Citadel Project Number 0942.1020.0

1185 Sunset Boulevard
Los Angeles, California 90026

www.CitadelEHS.com

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1.0 SITE DESCRIPTION

Citadel EHS (Citadel) has prepared this Health and Safety Plan (HASP) for use during soil and soil vapor sampling activities conducted at 1185 Sunset Boulevard, in the City of Los Angeles, California (Site). The Site consists of approximately 0.34 acres of vacant land.

Activities conducted under Citadel's direction at the Site will be in compliance with applicable Occupational Safety and Health Administration (OSHA) regulations, particularly those in Title 8 California Code of Regulations (CCR) 5192, and other applicable federal, state, and local laws, regulations, and statutes. A copy of this HASP will be kept onsite during scheduled field activities.

2.0 BACKGROUND

Citadel EHS (Citadel) was contacted by Integrated Demolition and Remediation, Inc. (IDR)) to provide a soil sampling and underground storage tank (UST) services for the Site. Citadel understands from the Client that four steel 500-gallon, single-wall fuel USTs and one waste oil UST of unknown size are believed to be present at the Site. The Client has also requested sampling services for one hydraulic hoist and three 3-stage clarifiers that are present at the Site.

3.0 SAFETY POLICY

Safety will be given primary importance in the planning and operation of this project. The safety policy shall strictly adhere to current EPA and OSHA standards, and local government agency requirements having authority over the project as regards to Client employees, as well as to public safety. Some of the applicable health and safety standards are listed below:

- 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste;
- Health and Safety Code, Division 20, Chapter 6.5, California Hazardous Waste Control Act;
- Title 8, California Code of Regulations, Section 1510, Safety Instruction for Employees;
- Title 8, California Code of Regulations, Section 3380, Personal Protective Equipment;
- Title 8, California Code of Regulations, Section 5144, Respiratory Protection;
- Title 8, California Code of Regulations, Section 5194, Hazard Communication; and
- Title 22, California Code of Regulations, Division 4.5, Environmental Health Standards for the Management of Hazardous Waste.

Each subcontracting firm will assume primary responsibility for the safety of their own work in regard to their employees and other persons. Subcontractors will assume the duty to comply with OSHA, and all other federal, state and local regulations.

The subcontractors work will be monitored by Citadel project managers for implementation of this HASP, while adhering to their own safety program. Citadel will retain the authority and power to enforce this HASP during the progress of the work. Any deficiencies in safe work practices will be brought to the attention of the subcontractor firm's supervisor for immediate corrective action. If the subcontractor fails or refuses to take corrective action promptly, a stop work order shall be issued and the subcontractor or the subcontractor employee may be removed from the Site.

4.0 WORK DESCRIPTION

To profile the vessel contents, liquid samples will be collected from each UST and the hydraulic hoist and analyzed for VOCs including oxygenates and naphthalene by EPA Method 8260B, total petroleum hydrocarbons (TPH) full range by EPA Method 8015B, and polychlorinated biphenyls (PCBs) by EPA method 8082. A sample from each clarifier will be collected and analyzed for VOCs, TPH full range and Title 22 Metals.

Citadel will coordinate with LAFD and the Client to schedule LAFD oversight for the removal of the USTs. Citadel personnel will be present on site during any UST removal activity that disturbs soil including excavation to expose the USTs and associated piping and lifting, moving or removing the USTs and associated piping, to continuously monitor air emissions for volatile organic compounds (VOCs) and record measurements using a direct reading organic vapor analyzer (OVA), or equivalent such as a photoionization detector (PID). Monitoring will be in accordance with South Coast Air Quality Management District (SCAQMD) Rule 1166. The Client is responsible for submitting the required Rule 1166 notification to SCAQMD prior to the commencement of soil disturbance activities.

Following removal of the USTs confirmation soil samples will be collected from the vicinity of the USTs as directed by an LAFD inspector and analyzed per LAFD requirements. At a minimum, two soil samples will be collected beneath each UST, one sample collected beneath each fitting, one sample collected from beneath every 20 feet of piping, one from each spoils pile of up to 250 cubic yards (CY), and any additional sampling at the LAFD inspector's direction. The soil samples will be collected in 40-millliter glass vials by EPA Method 5035 for analysis of VOCs, oxygenates and naphthalene by EPA Method 8260B and total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B. A soil sample from each sampling location will also be collected in laboratory supplied glass jars and analyzed for TPH full carbon chain by EPA Method 8015B. To pre-profile the excavated soil for disposal, samples collected from the spoils pile(s) will also be analyzed for Title 22 Metals by EPA methods 6010B/7471A. Soil samples will be placed in a cooler packed with ice prior to transport to an Environmental Laboratory Accreditation Program (ELAP) state-certified laboratory under standard Chain-of-Custody (COC) procedures.

5.0 KEY PROJECT PERSONNEL AND RESPONSIBILITIES

Project Manager	Scott Grasse (Citadel)
Site Safety Officer (SSO)/Project Monitor	Scott Grasse (Citadel)
Subcontractor Personnel	IDR

PROJECT MANAGER

The Project Manager has the ultimate responsibility for the health and safety of personnel at the Site. The Project Manager is responsible for:

- Ensuring that project personnel review and understand the requirements of this HASP;
- Keeping on-site personnel informed of the expected hazards and appropriate protective measures at the Site; and
- Providing resources necessary for maintaining a safe and health work environment.

SITE SAFETY OFFICER/PROJECT MONITOR

The SSO is responsible for enforcing the requirements of this HASP once site work begins. The SSO has the authority to immediately correct situations where noncompliance with this HASP is noted and to immediately stop work in cases where an immediate danger to site workers or the environment is perceived. Responsibilities of the SSO also include:

- Obtaining and distributing PPE and air monitoring equipment necessary for this project;
- Limiting access at the Site to authorized personnel;
- Communicating unusual or unforeseen conditions at the Site to the Project Manager;
- Supervising and monitoring the safety performance of site personnel to evaluate the effectiveness of health and safety procedures and correct deficiencies;
- Conducting daily tailgate safety meetings before each day's activities begin; and
- Conducting a site safety inspection prior to the commencement of each day's field activities.

SUBCONTRACTOR PERSONNEL

Subcontractor personnel are expected to comply with the minimum requirements specified in this HASP. Failure to do so may result in the dismissal of the subcontractor or any of the subcontractor's workers from the job site. Subcontractors may employ health and safety procedures that afford them a greater measure of personal protection than those specified in this plan as long as they do not pose additional hazards to themselves, the environment, or others working in the area.

6.0 SITE CONTROL MEASURES

The SSO or Project Manager has been designated to coordinate access and security on site. The Client is responsible for general Site safety and each on-Site contractor must comply with their site-specific safety plan.

7.0 STANDARD OPERATING PROCEDURES

GENERAL SAFETY

- Maintain good housekeeping at all times in all project work areas.
- Check the work area to determine what problems or hazards may exist.
- Designate specific areas for the proper storage of materials.
- Store tools, equipment, materials, and supplies in an orderly manner.
- Provide containers for collecting trash and other debris.
- Clean up all spills quickly.
- Report unsafe conditions or unsafe acts to your supervisor immediately.
- Report all occupational illnesses, injuries, and vehicle accidents.
- Do not wear loose clothing, wristwatches, and other loose accessories when within arm's reach of moving machinery.
- Emergency exits and evacuation areas should be clearly marked during work activities.
- Personnel fall protection is required when climbing to perform maintenance six feet or higher above ground.
- Inspect hand tools and use proper PPE.
- Ensure proper grounding and guarding of equipment.
- Keep hands and fingers out of pinch points.
- Use good ergonomic posturing when working with heavy items and when using the Hammer

Drill.

COMMUNICATION PROCEDURES

Due to the close proximity of all field crew members, the necessity for radio communication is not necessary.

The following standard hand signals will be used:

Hand drawn across throat .....Cease operation immediately
Hand gripping throat .....Out of air, cannot breathe
Grip partner's wrist or both hands around waist ..... Leave area immediately
Hands on top of head .....Need assistance
Thumbs up ..... OK, I am alright, understood
Thumbs down.....No, negative

FIELD VEHICLES

- Equip vehicles with emergency supplies and equipment.
- Maintain both a first aid kit and fire extinguisher in the field vehicle at all times.
- Utilize a rotary beacon on vehicle if working adjacent to active roadway.
- Always wear seatbelt while operating vehicle.
- Tie down loose items.

MANUAL LIFTING

- Personnel shall seek assistance when performing manual lifting tasks that appear beyond their physical capabilities.
- Assess the situation before lifting, ensure good lifting and body positioning practices, and ensure good carrying and setting down practices.

HEAT EXPOSURE

- Limit exposure to the sun or take extra precautions when the UV index rating is high.
- Take lunch and breaks in shaded areas.
- Create shade by using umbrellas, tents, and canopies.
- Wear proper clothing: long sleeved shirts with collars, long pants, and UV-protective sunglasses or safety glasses.
- Apply sunscreen generously to all exposed skin surfaces at least 20 minutes before exposure. Re-apply sunscreen at least every 2 hours, and more frequently when sweating or performing activities where sunscreen may be wiped off.
- Communicate any concerns regarding heat stress to a supervisor.
- Keep hydrated throughout the day (about 4 cups per hour).
- OHSA's Heat Index:

Heat Index	Risk Level	Protective Measures
Less than 91°F	Lower (Caution)	Basic heat safety and planning
91°F to 103°F	Moderate	Implement precautions and heighten awareness

103°F to 115°F	High	Additional precautions to protect workers
Greater than 115°F	Very High to Extreme	Triggers even more aggressive protective measures

Utilities (Under Ground and Above Ground): Low Hazard. All boring locations will be hand drilled and stop work will be enforced if any utilities are encountered.

Biological Hazards: Low to Medium Hazard. Beware of spiders, insects and other possible animals.

Site Instability: Low to Medium Hazard. The Site will be inspected prior to equipment placement and closely monitored. Any settling of the equipment will cause the work to stop immediately.

Equipment Refueling: Low Hazard. Equipment shall not be refueled with the engine running. Cigarettes, open flames, or other ignition sources are not allowed within 50 feet of the fueling location.

Personnel Injury: Upon notification of an injury, the Project Field Leader should evaluate the nature of the injury, and the affected person should be decontaminated to the extent possible prior to movement. The Project Field Leader shall initiate the appropriate first aid, and contact should be made for an ambulance and with the designated medical facility (if required).

Fire/Explosion: The fire department shall be alerted, and all personnel moved to a safe distance from the involved area.

Other Equipment Failure: If any other equipment on site fails to operate properly, the Project Team Leader shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, work will cease until the situation is evaluated and appropriate actions taken.

COVID-19 FIELD WORK PREVENTION GUIDELINES

The following guidelines were prepared to prevent COVID-19 transmission while performing essential field work activities at the Site:

1. **Stay at least 6 feet from others** whenever possible. Avoid, or at least **minimize close contact with others**. Close contact means being within 6 feet of someone else for more than 15 minutes. By CDC guidelines, it doesn't matter if you are wearing face covering or not to be consider as being in close contact. Even with face covering, being close for extended periods of time, can greatly increase your risk of exposure. *Keep your distance even when wearing face covering or PPE.*

2. **Wear face covering in public and anytime you will interface with others**, regardless of time. *Distance and face covering are likely the two best methods available to minimize exposures.*

3. **Wash your hands frequently and avoid touching your face, nose and mouth with unwashed hands.** Also, don't be fooled into a false sense of security, believing gloves will fully protect you from COVID-19. Even when you wear gloves for protection against chemicals, you still need to wash your hands to minimize exposure.

   Be careful when putting on and taking off PPE to be sure we do not contaminate our hands in the process and then touch our face, nose or mouth with unwashed hands. In doing so, we defeat the purpose of wearing PPE. *Also, don't overdo the hand sanitizer – choose to use soap and water as much as possible.*

4. **Clean and disinfect surfaces you come into contact and minimize touching commonly used surfaces whenever possible.** Cleaning and disinfecting surfaces would not be as important if everyone were wearing face covering and washing their hands more regularly. But because individual behaviors vary quite a bit, we need to do what we can

to protect ourselves and others by routinely cleaning and disinfecting the things we touch. How often will depend on how often you touch a surface or object and whether others are likely to come into contact with it as well. *Cleaning and disinfecting helps reduce exposure, but don't rely on it as a replacement for distancing, face covering and hand washing.*

5. **Monitor your own health** for COVID-19 symptoms and **stay at home**, away from others, if symptoms develop. The sooner you self-isolate, the more you lessen the chance of spreading it to others, regardless of whether it is COVID-19, the flu or some other contagion.

8.0 EXPOSURE MONITORING

The following substances may be encountered on site. The primary hazards of each are identified as follow:

Substances	Concentration	Primary Hazards
Lead	Various	Ingestion, inhalation, skin, eye contact
Heavy Metals	Various	Ingestion, inhalation, skin, eye contact
Polychlorinated Biphenyls	Various	Ingestion, inhalation, skin
Total Petroleum Hydrocarbons	Various	Ingestion, inhalation, skin
Volatile Organic Compounds	Various	Ingestion, inhalation, skin

Lead: Acute exposure to lead via ingestion or inhalation can cause impaired kidney function, high blood pressure, nervous system and neurobehavioral effects, cognitive dysfunction later in life, and subtle cognitive effects attributed to prenatal exposure. Pregnant women need to be especially concerned since exposure can have serious impact on the developing fetus. Even low levels of lead in the blood of children can result in behavior and learning problems, lower IQ and hyperactivity, slowed growth, hearing problems and anemia. In rare cases, ingestion of lead can cause seizures, coma and even death.

Heavy Metals: The main threats to human health from heavy metals are associated with exposure to lead, cadmium, mercury and arsenic. Cadmium compounds are currently mainly used in re-chargeable nickel-cadmium batteries. Recent data indicate that adverse health effects of cadmium exposure is primarily in the form of kidney damage but possibly also bone effects and fractures. The general population is primarily exposed to mercury via food, fish being a major source of methyl mercury exposure, and dental amalgam. The general population does not face a significant health risk from methyl mercury, although certain groups with high fish consumption may attain blood levels associated with a low risk of neurological damage to adults and a risk to the fetus in pregnant women The general population is exposed to lead from air and food in roughly equal proportions. Children are particularly susceptible to lead exposure due to high gastrointestinal uptake and the permeable blood-brain barrier. Recent data indicating that there may be neurotoxic effects of lead at lower levels of exposure than previously anticipated. Exposure to arsenic is mainly via intake of food and drinking water, food being the most important source in most populations. Long-term exposure to arsenic in drinking-water is mainly related to increased risks of skin cancer, but also some other cancers, as well as other skin lesions such as hyperkeratosis and pigmentation changes. Occupational exposure to arsenic, primarily by inhalation, is causally associated with lung cancer.

Polychlorinated Biphenyls (PCBs): PCBs are a group of man-made organic chemicals consisting of carbon, hydrogen and chlorine atoms. They belong to a broad family of organic chemicals known as chlorinated hydrocarbons. They have been demonstrated to cause a variety of adverse health

effects. They have been shown to cause cancer in animals as well as a number of serious non-cancer health effects in animals, including: effects on the immune system, reproductive system, nervous system, endocrine system and other health effects. The different health effects of PCBs may be interrelated. Alterations in one system may have significant implications for the other systems of the body.

Total Petroleum Hydrocarbons (TPH): TPH is a term used to describe a large family of several hundred chemical compounds that originally come from crude oil. A complex blend of petroleum-derived normal and branched-chain alkane, cycloalkane, alkene, and aromatic hydrocarbons. May include benzene and its derivatives, sulfur, and naphthalene. Danger of serious damage to health by prolonged exposure in contact with skin. Possible risk of harm to the unborn child. Repeated exposure may cause skin dryness or cracking. Breathing of high vapor concentrations may cause dizziness, light-headedness, headache, nausea, and loss of co-ordination. Continued inhalation may result in unconsciousness. Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne. Components of the product may be absorbed into the body through the skin. Prolonged and repeated contact with the product may cause skin cancer. May cause damage to the liver.

Volatile Organic Compounds (VOC): VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects. Health effects include eye, nose, and throat irritation, headaches, loss of coordination, nausea, and damage to liver, kidney, and central nervous system. Some organics are known to cause cancer in humans.

ACTION LEVELS AND EXPOSURE LIMITS

According to OSHA (29 CFR 1926.55 Appendix A, Footnote (A (3)), the composition of TPH varies greatly and thus a single Threshold Limit Value (TLV)[1] for all types of these materials is not applicable. The OHSA Short Term Exposure Limit (STEL)[2] for compounds commonly present in TPH-impacted soil is listed below; these concentrations must not be exceeded when working in areas where these hazardous compounds may be present:

VOCs: 100 ppm_v

If these concentrations are exceeded and cannot be controlled by local methods, an evacuation of the immediate area and possibly the Site will be ordered in accordance with the evacuation route in Section 11.0.

DUST MONITORING

SCAQMD requires that Rule 403 for Fugitive Dust be followed to reduce the amount of particulate matter entrained into ambient air as a result of normal construction activities. This rule is intended to limit the emissions of fugitive dust or particulate matter from a variety of activities and sources such as construction sites, bulk material hauling, unpaved parking lots, and disturbed soil in open areas and vacant lots; this rule applies to any activity or man-made condition capable of generating fugitive dust.

[1] TLV refers to airborne concentrations of chemical substances and represent conditions under which it is believed that nearly all workers may be repeatedly exposed, day after day, over a working lifetime, without adverse effects (American Conference of Governmental Industrial Hygienists (ACGIH).

[2] Defined as a 15-minute time-weighted average exposure which is not to be exceeded at any time during a workday even if the 8-hour time-weighted average is below the PEL.

Rule 403 requires that fugitive dust generated during any activity or man-made condition such as excavation, demolition, construction, and soil disturbance, shall be prevented, reduced or mitigated.

9.0 PERSONAL PROTECTIVE EQUIPMENT

The purpose of PPE is to protect employees from hazards and potential hazards they are likely to encounter during site activities. The amount and type of PPE used will be based on the nature of the hazard encountered or anticipated. Respiratory protection will be utilized when an airborne hazard has been identified using real-time air monitoring devices, or as a precautionary measure in areas designated by the SSO, elevating to level C. If this occurs, contractor personnel shall be respirator approved.

Dermal protection, primarily in the form of chemical-resistant gloves and coveralls, will be worn whenever contact with chemically affected materials (e.g., soils, groundwater, sludge) is anticipated, without regard to the level of respiratory protection required.

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

Location	Job Function	Level of Protection
Controlled Area	All Workers	A B C (D) Other

Specific protective equipment for each level of protection is as follows:

Level A
- Fully-encapsulating suit
- SCBA
- Disposable coveralls

Level B
- Splash gear
- SCBA

Level C
- Splash gear
- Half-face canister respirator with H_2S/VOC cartridge
- Mouth/nose canister respirator
- Efficiency 100 (HEPA)

Level D
- Hard hat
- Ear plugs
- Neoprene or leather gloves - nitrile gloves
- Safety vests and Glasses
- Hard toe boots

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SSO OR PROJECT MANAGER.

10.0 DECONTAMINATION PROCEDURES

Despite protective procedures, personnel may come in contact with potentially hazardous compounds while performing work tasks. If so, decontamination needs to take place using an Alconox or tri-sodium phosphate (TSP), followed by a rinse with clean water. Standard decontamination procedure for levels C and D are as follows:

- Equipment drop
- Boot cover and outer glove wash and rinse

- Boot cover and out glove removal
- Suit wash and rinse
- Suit removal
- Safety boot wash and rinse
- Inner glove wash and rinse
- Respirator removal
- Inner glove removal
- Field wash of hands and face

Workers should employ only applicable steps in accordance with level of PPE worn and extent of contamination present. The SSO shall maintain adequate quantities of clean water to be used for personal decontamination (i.e. field wash of hands and face) whenever a suitable washing facility is not located in the immediate vicinity of the work area. Disposable items will be disposed of in an appropriate container. Wash and rinse water generated from decontamination activities will be handled and disposed of properly. Non-disposable items may need to be sanitized before reuse. Each site worker is responsible for the maintenance, decontamination, and sanitizing of his/her own PPE.

Used equipment may be decontaminated as follows:

- An Alconox or TSP and water solution will be used to wash the equipment.
- The equipment will then be rinsed with clean water.

Each person must follow these procedures to reduce the potential for transferring chemically affected materials offsite.

11.0 EMERGENCY PROCEDURES

In the event of an emergency, site personnel will signal distress with three blasts of a horn (a vehicle horn will be sufficient), or other predetermined signal. Communication signals, such as hand signals, must be established where communication equipment is not feasible or in areas of loud noise.

The SSO will designate evacuation routes and refuge areas to be used in the event of an emergency. Site personnel will stay upwind from vapors or smoke and upgradient from spills. Workers should exit through the established decontamination areas wherever possible. If evacuation cannot be done through an established decontamination area, site personnel will go to the nearest safe location and remove contaminated clothing there. Personnel will assemble at the predetermined refuge following evacuation and decontamination. The SSO will count and identify site personnel to verify that all personnel have been evacuated safely. Please refer to Figure 1.0 for the evacuation route and refuge location.

FIGURE 1.0 – EVACUATION ROUTE AND REFUGE AREA

= Approximate Project Boundaries

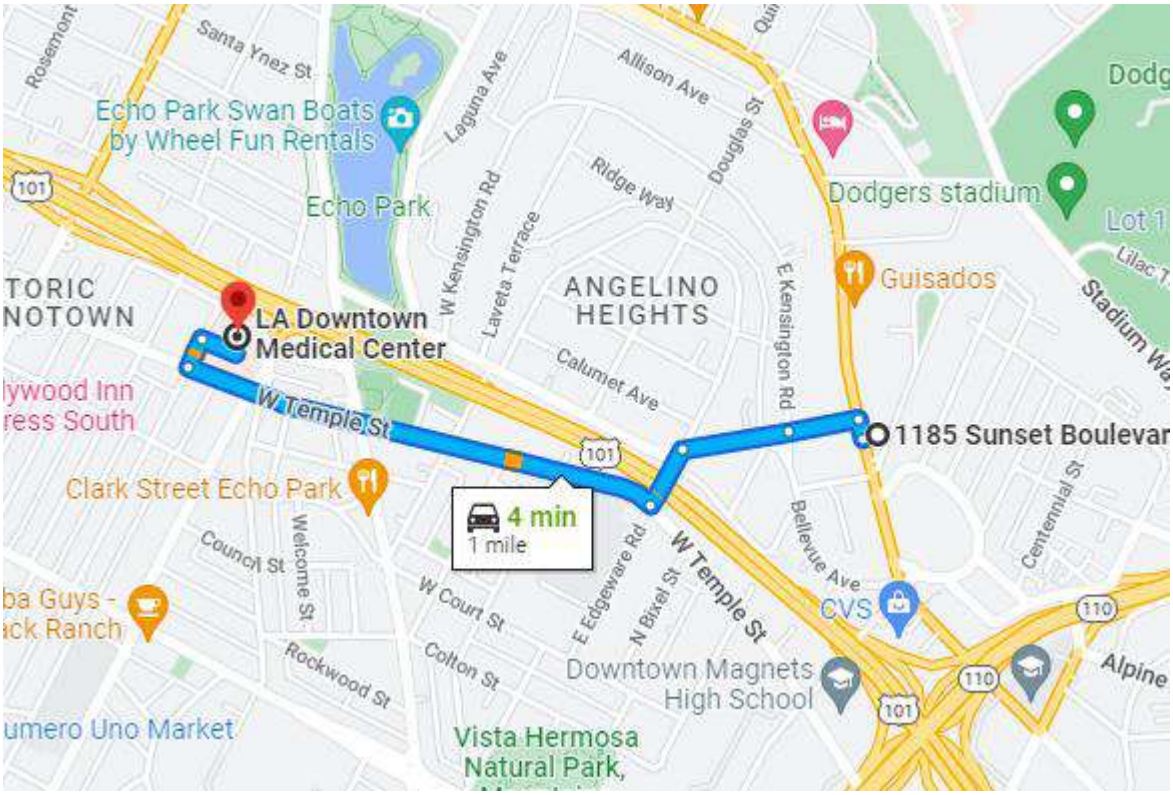
= Refuge Area

= Evacuation Route

FIGURE 2.0 – DESIGNATED MEDICAL FACILITY

The designated medical facility is:

L.A. Downtown Medical Center
1711 W Temple St,
Los Angeles, CA 90026
(213) 989-6100



Directions:

Head north on Sunset Blvd toward Marion Ave 131 ft

Turn left onto Marion Ave 463 ft

Continue onto Bellevue Ave 0.1 mi

Turn left onto E Edgeware Rd 410 ft

Turn right onto W Temple St 0.6 mi

Turn right onto N Burlington Ave 203 ft

Turn right, Destination will be on the left 240 ft

Local ambulance service is available from:

Name: Local Paramedics
Phone: 911

First-aid equipment is available in the SSO's vehicle.

List of emergency phone numbers:

Agency/Facility	**Phone**
Police/Fire	911
Hospital	((213) 989-6100

12.0 SIGNATURES

This HASP has been prepared by:

Scott Grasse

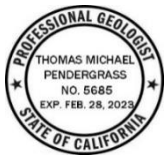
Digitally signed by Scott Grasse
Date: 2022.08.25 10:59:03-07'00'

Scott Grasse, PG, MSc
Project Geologist, Engineering and Environmental Sciences

This HASP has been reviewed by:

T. Michael Pendergrass

Digitally signed by T. Michael Pendergrass
Date: 2022.08.25 10:59:22-07'00'



T. Michael Pendergrass, PG
Senior Project Geologist, Engineering and Environmental Sciences

DAILY SIGNATURE PAGE

The following signatures indicate that this Health and Safety Plan (HASP) has been read and accepted by all site personnel.

NAME	COMPANY	SIGNATURE	DATE
Scott Grasse	Citadel		7/14/22
Siguinifredo Quezada	IDR		7/14/22
Rodrigo Peral	I.D.R		7-14-22
Edgar Gomez	I.D.R	Edgar Gomez	7-14-22
Raul Lopez	IDR		7/14-22

HASP Sign in Shret

August 11, 2022
1185 Sunset Blvd
Los Angeles

	Scott Grasse	Citadel	8/11/22
Sgt. Manfred Quezada		IDR	8/11/22
Jesus Gomez		IDR	8/11/22
Jose Santibañez		IDR	8/11/22

CITADEL EHS
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Appendix E
Citadel Field Notes

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Dylan Harrington
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
1130	CITADEL REP ARRIVES ON SITE. WAITING FOR SITE CONTACT TO ARRIVE.
1155	CITADEL REP MEETS W/ SITE CONTACT TIM BURCHFIELD TO DISCUSS UST ACCESS POINTS AND GENERAL SCOPE OF WORK.
1204	TIM NOTIFY'S CITADEL REP OF ODOR HE NOTICED POSSIBLY EMMITING FROM SOIL NEAR AND ON TOP OF CONCRETE PATCH/SLAB THAT WAS NOT NOTED BEFORE. LOCATION IS IN BETWEEN SMALL WASTE OIL TANK AND HOIST. ALL UST'S/CLARIFIER ARE ACCESSIBLE. LOOKING NORTH, THE EAST CLARIFIER WAS NEVER LOCATED DURING DEMO.
1210	CITADEL REP TAKES PICTURES OF ACCESS PORTS AND GENERAL SITE.
1215	CITADEL REP WILL NOW LEAVE THE SITE.

DH

CITADEL REPRESENTATIVE: DYLAN HARRINGTON	**DAY:** THURSDAY
SIGNATURE:	**DATE:** 6.23.22

Revised November 2019

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	1 OF 2
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
0900	CITADEL REP ARRIVES ONSITE. SITE PRE ASSESMENT.
0913	HOIST IS UNACCESSIBLE TO SAMPLE. CEMENTED SHUT.
0930	FIRST SAMPLE IS TAKEN FROM WOT1 AND COLLECTED IN 4OZ JAR. FREE PRODUCT OILY SUBSTANCE.
0945	UST1 IS UNACCESIBLE BECAUSE VENT PIPE IS CORRODED AND PORT IS OBSTRUCTED BY ROCKS.
0958	SAMPLE IS TAKEN FROM UST2 AND PLACED INTO 4oz JAR. DEPTH TO BOTTOM OF UST2 IS 10FT, VENT TUBE IS 4FT IN LENGTH.
1011	SAMPLE IS TAKEN FROM UST3 AND COLLECTED IN 4oz JAR. DEPTH TO BOTTOM OF UST3 IS 10FT. VENT PIPE WAS UNACCESSIBLE BECAUSE IT WAS COMPLETELY SEALED OFF.
	SAMPLE IS TAKEN FROM UST4. COLLECTED IN 4OZ JAR. DEPTH TO BOTTOM OF UST4 IS 14FT AND VENT TUBE IS 4FT IN LENGTH.
	SLUDGE LIKE SUBSTANCE WAS TAKEN FROM MUD SUMP 1 AND COLLECTED IN 4OZ JAR.
	SLUDGE LIKE SUBSTANCE WAS COLLECTED IN 4OZ JAR.
1215	CITADEL REP HAS LEFT THE SITE.
	DH

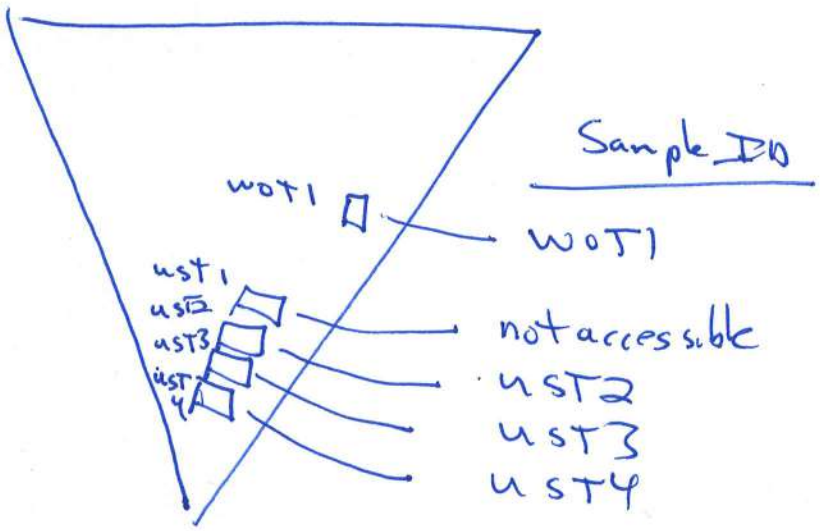
CITADEL REPRESENTATIVE: DYLAN HARRINGTON	**DAY:** MONDAY
SIGNATURE:	**DATE:** 6-27-22

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remedi	PAGE	2 OF 2
PROJECT NUMBER	0942.1020.0	CITADEL REPRESENTATIVE	Scott Grasse
PROJECT NAME	UST Removal	CONTRACTOR	-
PROJECT WORK AREA	Vacant Land	SUPERVISOR	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
	SITE MAP



CITADEL REPRESENTATIVE: Scott Grasse	TIME: ~~DATE~~ Monday
SIGNATURE:	DATE: 6/27/22

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CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	1 OF 2
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	~~Scott Grasse~~ Tim Lambert
PROJECT NAME	UST Removal	**CONTRACTOR**	IDR
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
0700	Citadel on site. Meet with IDR, discuss SOW. Crew will be exposing all five USTs on site. All excavated soil will be placed on plastic and covered. Crew is currently unloading delivery of a compressor and an excavator.
0720	Excavator was delivered with no hydraulic oil.
0800	Crew brings oil and preps excavator. Begin setup.
0823	Digging begins at southern most UST.
0830	Soil has strong odor of gasoline.
0900	VOC detections fall below 50ppm with observable odor. Begin segregating soil.
0930	Tank is larger than assumed. Crew begins removing more fencing to expose full length of UST #4
0940	UST #4 is found to be ~~16~~ 17' long.
1020	Crew begins cutting open UST #4.
1045	Crew begins cutting open UST #~~2~~ 3
1100	UST #~~2~~ 3 is full of mostly solids with a small amount of liquid on the west end below the ports. North State will not be able to clean this tank today as they will need to enter the tank and they are not currently equipt for confined space entry.
1110	Crew breaks for lunch.
1145	Return from lunch. North State begins setup to clean UST #4.
1200	IDR begins shifting stockpile to make room for more soil.
1205	Begin cutting open UST #~~3~~ 2

CITADEL REPRESENTATIVE: Tim Lambert	**DAY:** Tuesday
SIGNATURE: Tim Lambert	**DATE:** 7/12/22

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	2 OF 2
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
1220	NorthState begins pumping UST #4.
1225	Resume excavation.
1325	Begin cutting UST #1
1345	Crew has to repair cutter.
1430	Begin digging ~~UST #5~~ waste oil tank
1435	Excavator uncovers a previously broken port in in top of the tank body and a small amount of water leaks out (~1gal). No odor or sheen is observed. No VOCs detected.
1505	The edge of the waste oil tank is punctured and begins draining water. The operator places soil at the leak to contain the spill, Tank will be left as is until North State can pump the contents.
1525	No further excavation.
	Citadel off site.

CITADEL REPRESENTATIVE: Tim Lambert DAY: Tuesday

SIGNATURE: Tim Lambert DATE: 7/12/22

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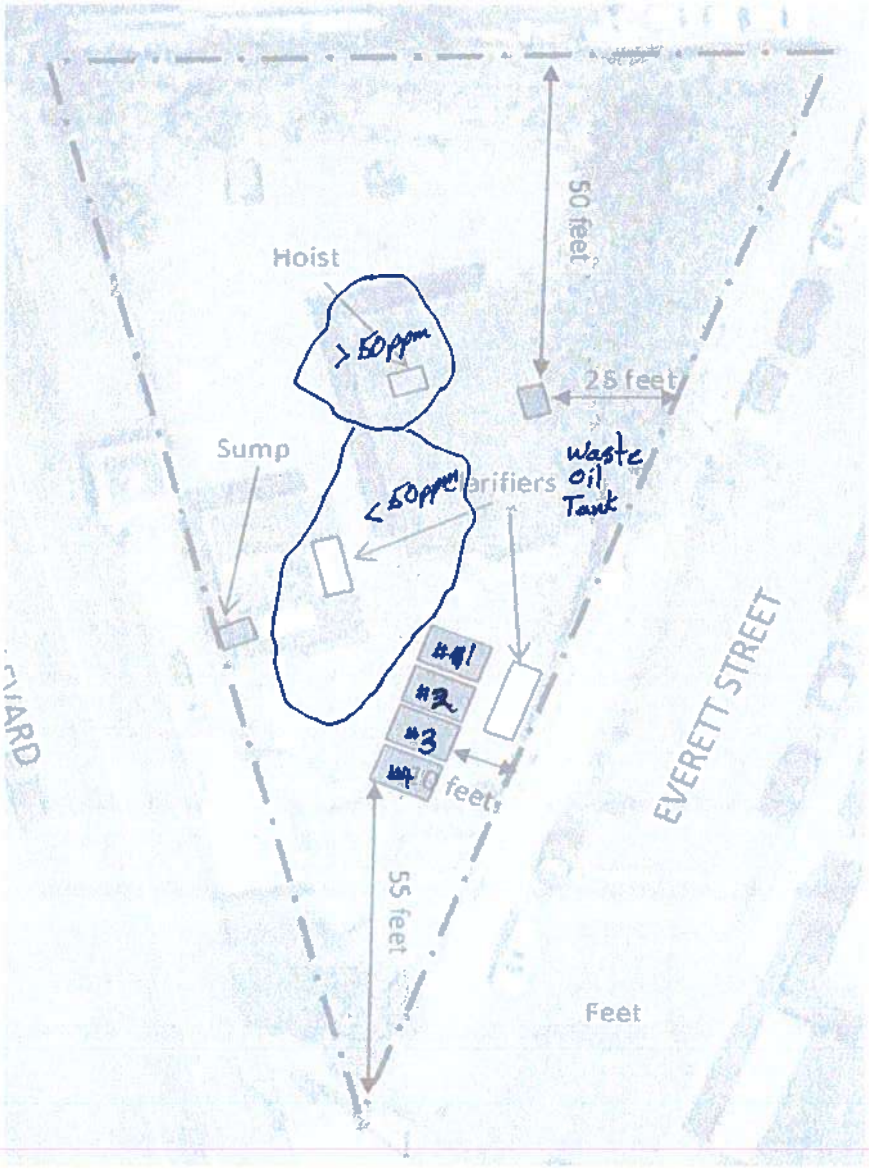
CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remedi	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	~~Dylan Harrington~~ Tim Lambert
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

FIELD SKETCH



CITADEL REPRESENTATIVE: Tim Lambert	**TIME:**
SIGNATURE: Tim Lambert	**DATE:** 7/12/22

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CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

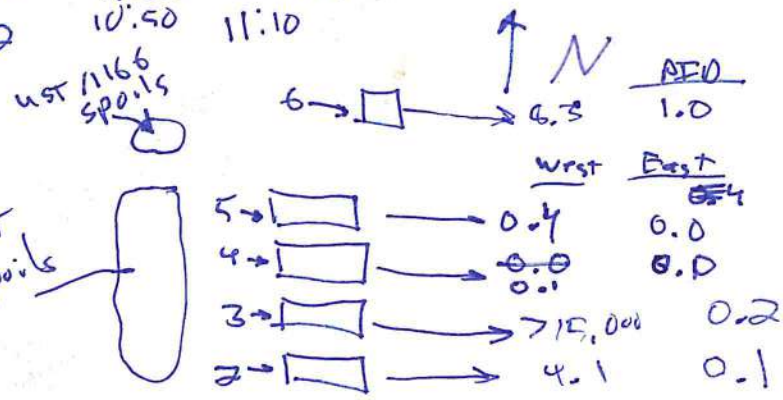
CLIENT	Integrated Demolition and Remedi	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	- IDR
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
09:45	Citadel Onsite
10:00	LAFD arrives (Ins. Belknap)
10:50	Remove UST 0714/2 and collect samples
13:02	Begin collecting stockpile samples
14:25	UST 0714/6 removed and samples collected
14:40	Monitor partial excavation of Clarifier and sump. no VOCs detected
15:00	Citadel offsite to deliver samples to Calscience
	Sample collection Time

		West	East
UST 1 WOT 6 (group C)	0714/6	1420	14:25
x16'10" UST 2 (Group A)	0714/5	14:03	14:18
x16'10" UST 3 (group A)	0714/4	12:51	12:57
x16.5' UST 4 (group A)	0714/3	~~11:53~~ 11:53	~~11:58~~ 11:58
x16.5' UST 5 (group C)	0714/2	10:50	11:10

Advanced Steel (Fontana)

SP-UST-South	13:02
SP-UST-North	13:07
SP-1166	13:33



As per LAFD Inspector due to WOT being WO, and UST 5 not accessible so contents unknown

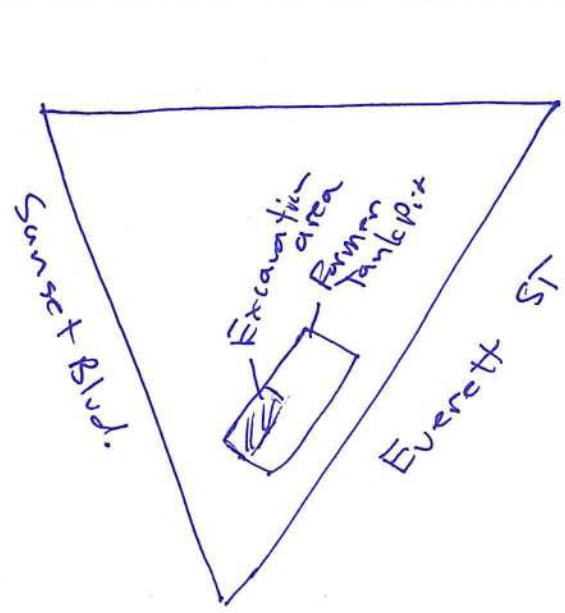
CITADEL REPRESENTATIVE: Scott Grasse	**TIME:** DAY Thursday
SIGNATURE:	**DATE:** 7/14/22

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remedi	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	~~Dylan Harrington~~ Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	- Integrated Demolition and Remediation
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
06:40	Citadel onsite
07:00	IDR mobilize, excavator and trucks
07:11	Begin excavation
08:06	Pause Excavation. LAFD on site.
08:23	Resume Excavation
08:57	Cease Excavation. Collect Soil Sample
09:45	Citadel offsite



CITADEL REPRESENTATIVE: Scott Grasse	~~TIME:~~ DAY Thursday
SIGNATURE:	**DATE:** 8/11/22

Revised November 2019

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Appendix F
Photo Log

PHOTOGRAPHIC LOG

PHOTO 1: USTs prior to asphalt removal, looking south (04/28/22).

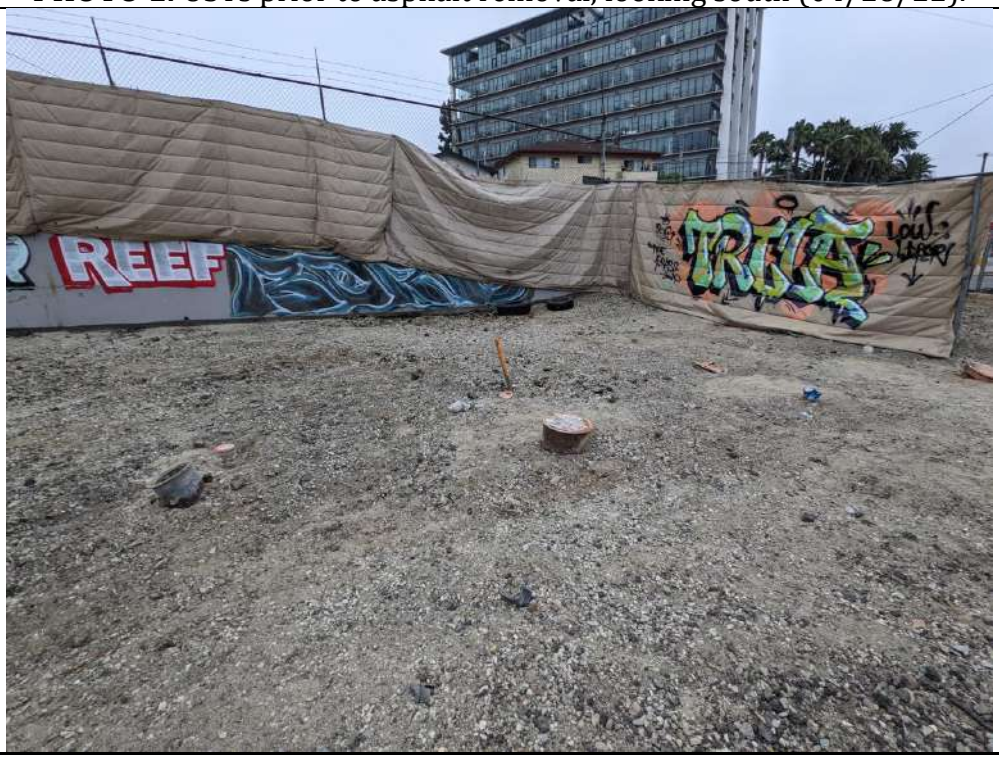

PHOTO 2: USTs after asphalt removal, looking southeast (07/12/22).

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Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026
Citadel Project No. 0942.1020.0

PHOTOGRAPHIC LOG

PHOTO 3: Exposing UST No. 2 (07/12/21).

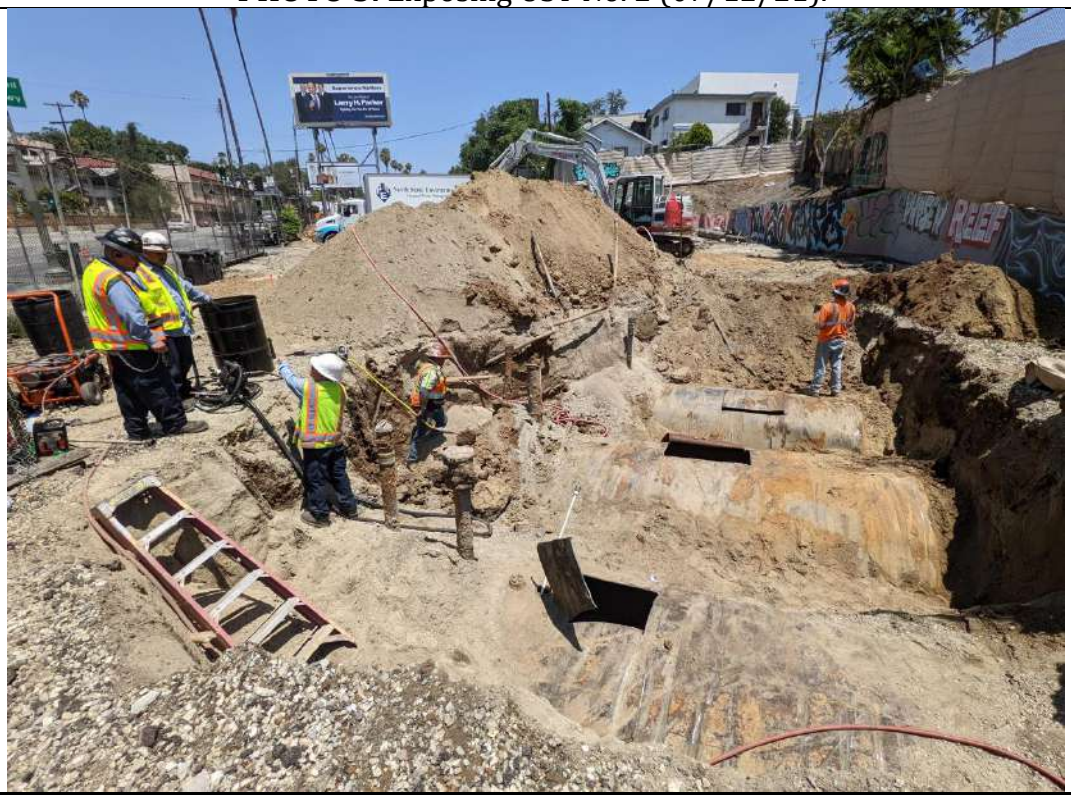

PHOTO 4: USTs being cleaned, looking north (07/12/22).

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Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026
Citadel Project No. 0942.1020.0

PHOTOGRAPHIC LOG

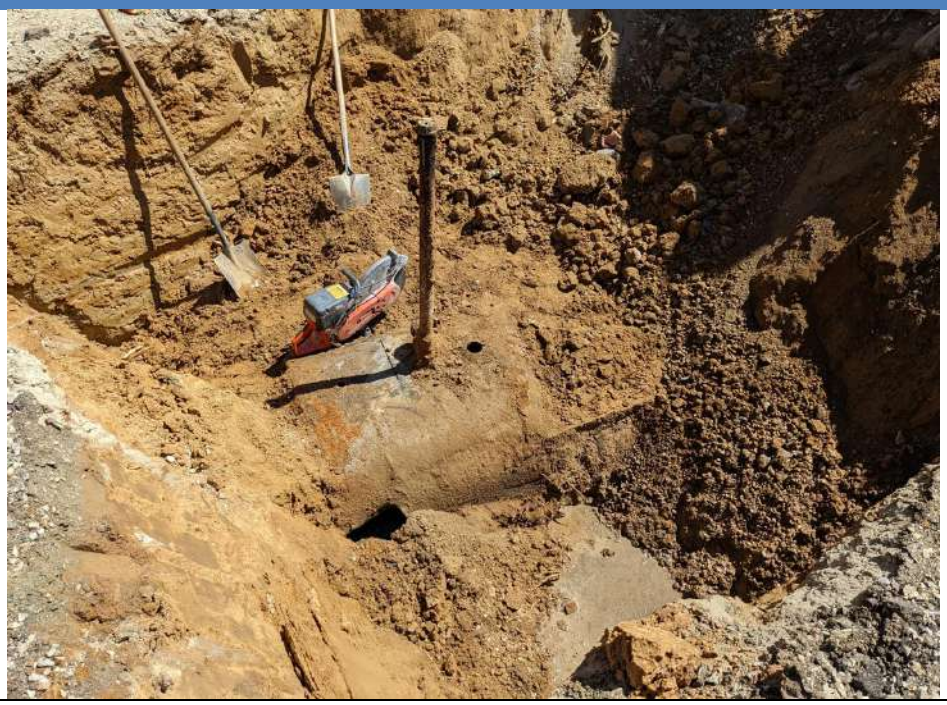

PHOTO 5: UST No. 6 exposed (07/12/22).

PHOTO 6: USTs certified clean and labeled, looking south (07/14/22).

PHOTOGRAPHIC LOG

PHOTO 7: UST No. 6 certified clean and labeled (07/14/22).

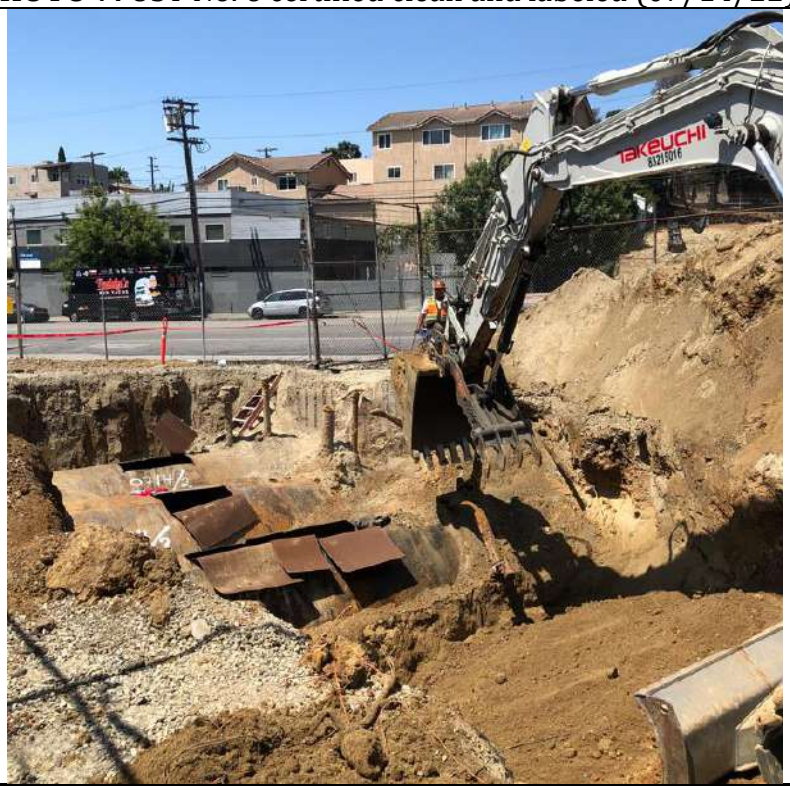

PHOTO 8: Preparing to remove the USTs (07/14/22).

PHOTOGRAPHIC LOG

PHOTO 9: Loading the USTs in preparation for transport (07/14/22).

NO PHOTO

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Appendix G
SCAQMD Rule 1166 Air Monitoring Logs

Rule 1166 Soil Monitoring Records

Company Name: Citadel EHS	Facility/Site Information
Plan #: 1166 permit under Integrated Demolition and Remediation, Inc ID #:	Name: Aragon (Sunset Earth) Properties Corp
	Address: 1195 Sunset Blvd.
Reference No(s): PO# 0942.1020.0	City: Los Angeles Zip:

Monitor Information	Calibration Data (Converted to Hexane)	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: RKI	Gas: Hexane/Multi	Name: Tim Lambert	Total Cubic Yds (This Page)	
Model: Eagle 2	Date: 6/10/22	Company: CITADEL EHS	**Total Cubic Yds (To Date)**	
Type: Multi	By: Tim Lambert	Phone: 818-246-2707	Removed from Site (To Date)	

Bump Tested 7/12/22

Time	VOC Concentration @ Excavated Load			Comment	Time	VOC Concentration @ Excavated Load			Comment
Every 15 min.	Reading	Hexane Factor	Adjusted Reading		Every 15 min.	Reading	Hexane Factor	Adjusted Reading	
0830	88	N/A		UST #4 West End	1300	0	N/A		UST #~~4~~1 East End
0845	162			East End	1315	0			West End
0900	36				1430	0			~~UST #5~~
0920	20			Middle	1445	0			Waste Oil Tank
0930	0			East End	1500	16			Wet soil from leak.
0945	0								
1000	16			UST #~~2~~3 West End					
1015	8			East End					
1030	0								
1055	0			UST #~~3~~2 East End					
1230	4			UST #~~2~~1 West End					
1245	4								

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Tim Lambert DATE: 7/12/22

Revised 12/07/05

Rule 1166 Soil Monitoring Records

Company Name:	Facility/Site Information	
Citadel EHS	.	
Plan #: Integrated Demolition and Remediation Inc. ID #:	Name: Aragon (Sunset Earth) Properties	
	Address: 510 Rosecrans Suite D-303 Corp	
Reference No(s). PO 0942:1020:0	City: Manhattan Beach	Zip: 90266

Monitor Information	Calibration Data Converted to Hexane	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: ~~RKI~~ Mini Rae	Gas: Hexane/Multi Gas	Name: Scott Grasse	Total Cubic Yds (This Page)	
Model: ~~Eagle 2~~ PPB RAE 3000	Date: 4/28/22	Company: CITADEL EHS	Total Cubic Yds (To Date)	
Type: Multi Gas Detector	By: Citadel	Phone: 818-246-2707	Removed from Site (To Date)	

Time	Gas Concentration @ Excavated Load			Comment	Time	Gas Concentration @ Excavated Load			Comment
Every 15 min.	VOCs (ppmv)	CH_4 (%LEL)	H_2S (ppmv)		Every 15 min.	VOCs (ppmv)	CH_4 (%LEL)	H_2S (ppmv)	
07:11	0.1								
07:26	0.3								
07:41	3.2								
0756	3.3			Pause					
0823	0.5			Resume					
0845	11.3								
08:57	0.4			Stop Excavation					

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: DATE: 8-11-22

Revised 12/07/05

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Appendix H
Residual Fluid and Rinsate Disposal Manifest

North State Environmental
Chemical Waste Disposal • Trucking • Consulting

1045 W. Rialto Ave.
Rialto, CA 92376
(909) 875-9288 • Fax (909) 421-7039

2526 Folex Way, Unit A
Spring Valley, CA 91978
(619) 409-9292 • Fax (619) 409-9290

Tracking # TD 10973
Date: 7/12/22
Page: 1 of 1
P.O. #

Tracking Document

Customer: Aragon Prop Corp.
Address: 1187 Sunset Blvd
Los Angeles CA 90012

IPR 26 – PO# 2022-967

	TSDF: ARC Manifest 022863519		TSDF: US ECO Manifest: 022863520		TSDF: Manifest:		TSDF: Manifest:	
	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk
55 gal		4						
30 gal								
15 gal								
5 gal								
85OP								
CY Box								
PIH Box								
Tote				5				

	TSDF: Manifest:		TSDF: Manifest:		TSDF: Manifest:		TSDF: Manifest:	
	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk
55 gal								
30 gal								
15 gal								
5 gal								
85OP								
CY Box								
PIH Box								

Additional Materials:

	55 gal	30 gal	15 gal	5 gal	CY Box	PIH Box	Tote	Tote
Fiber								
Steel	4							
Poly								5

Vermiculite: _____ Other Materials: Tanker & Pressure Washer (2 days) PPE 18 x Sets

Labor:

Day #1

~~Chemist:~~

Yard Out	Time In	Time Out	Yard In
0830	1000	0930	1030
0830	1000	0930	1030

Day #2

Technician: (Service truck / Bobtail → ← tanker →)

Yard Out	Time In	Time Out	Yard In
0700	0830	→	0530
0700	0830	→	0530

Other:

Miscellaneous: Haz Cat: _____ Samples: _____ Other: _____

Customer Signature: Russell J Barlow 7-12-22

White Copy - Transporter Yellow Copy - Generator

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
C A C 0 0 3 1 7 4 2 7 7	1	909/875-9288	022863520 JJK

GENERATOR

5. Generator's Name and Mailing Address
Aragon (Sunset/Everett) Properties Corp
1590 Rosecrans Avenue
Manhattan Beach CA 90266
Generator's Phone: 310/213-6560 Attn: Fred Shaffer (IDR)

Generator's Site Address (if different than mailing address)
1187 Sunset Blvd
Los Angeles CA 90012

6. Transporter 1 Company Name
North State Environmental (650) 588-2838
U.S. EPA ID Number: C A R 0 0 0 2 0 6 0 8 6

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology, Inc.
Hwy 95, 11 miles south of
Beatty NV 89003
Facility's Phone: (775) 553-2203
U.S. EPA ID Number: N V T 3 3 0 0 1 0 0 0 0

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3082, Hazardous waste, liquid, n.o.s., (lead, water), 9, III (D008)	5	TP	1,375	G	~~D007~~ 141 / D008
	2.					
	3.					
	4.			ERG# 171		

14. Special Handling Instructions and Additional Information
1 IDR-3082 ; Rinse water with metals, trace oil
1: 2: 5X tote 3: 4:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RUSSELL J BEILFUSS
Signature: Russell J Beilfuss
Month 7 Day 12 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LEO CERVANTES
Signature: LEO CERVANTES
Month 7 Day 12 Year 22
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
C A C 0 0 3 1 7 4 2 7 7	1	909/875-9288	022863519 JJK

GENERATOR

5. Generator's Name and Mailing Address
Aragon (Sunset/Everett) Properties Corp
1590 Rosecrans Avenue
Manhattan Beach CA 90266
Generator's Phone: 310/213-6560 Attn: Fred Shaffer (IDR)

Generator's Site Address (if different than mailing address)
1187 Sunset Blvd
Los Angeles CA 90012

6. Transporter 1 Company Name
North State Environmental (650) 588-2838
U.S. EPA ID Number: C A R 0 0 0 2 0 6 0 8 6

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Pacific Resource Recovery
3150 East Pico Boulevard
Los Angeles CA 90023
Facility's Phone: (800) 499-7145
U.S. EPA ID Number: C A D 0 0 8 2 5 2 4 0 5

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						D001	D018	214
X	1. RQ,UN1993,Waste flammable liquids,n.o.s., (gasoline,water),3,II (D001,D018	4	DM	200	G			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 IDR-1993 ; Contaminated gasoline with trace water

ERG# 128

1: 4X55gal
2:
3:
4:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RUSSELL J BEILFUSS
Signature: Russell J Beilfuss
Month: 7 Day: 12 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LEO CERVANTES
Signature: LEO CERVANTES
Month: 7 Day: 12 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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Appendix I
Hazardous Waste Tank Closure Certification

CITADEL

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

SINGLE-WALL STEEL TANKS,

CGI: RKI Eagle, serial number E181203

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME 740: CONSTRUCTION SITE

TANK OWNER ADDRESS 741: 1185 WEST SUNSET BOULEVARD

TANK OWNER CITY 742: LOS ANGELES | STATE 743: CALIFORNIA | ZIP CODE 744: 90021

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL – Top	Center	Bottom	Concentration of Oxygen, % – Top	Center	Bottom
1	0714/2 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	0714/3 748	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	0714/4 751	0 752a	0 752b	0 752c	20.9 753a	20.9 753b	20.9 753c

2 12,000-GALLON, GASOLINE TANKS

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 07/14/2022

CERTIFICATION TIME: 0714/2 = 7:07 am - 7:10 am; 0714/3 = 7:10 am - 7:13 am; 0714/4 = 7:14 am - 7:17 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760 ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: LOS ANGELES CITY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763: GASOLINE, OIL

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

SINGLE-WALL STEEL TANKS

CGI: RKI Eagle, serial number E181203

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME 740: CONSTRUCTION SITE

TANK OWNER ADDRESS 741: 1185 WEST SUNSET BOULEVARD

TANK OWNER CITY 742: LOS ANGELES | STATE 743: CALIFORNIA | ZIP CODE 744: 90026

II. TANK CLOSURE INFORMATION

~12,000-GALLON OIL TANK

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL			Concentration of Oxygen, %		
		Top	Center	Bottom	Top	Center	Bottom
1	0714/5 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	0714/6 748	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	751	752a	752b	752c	753a	753b	753c

~350 OIL TANK

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 07/14/2022

CERTIFICATION TIME: 0714/5= 7:17 am - 7:20 am; 0714/6= 7:27 am - 7:30 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760 ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: LOS ANGELES CITY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763: GASOLINE, OIL

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

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Appendix J
UST Certificate of Destruction

AdvancedSteel Recovery

14451 WITTRAM AVENUE
FONTANA, CA 92335

August 14, 2022

Advanced Steel Recovery certifies that the items with description below and received in our yard under our scale weight ticket ASR547256 and ASR547281, have been deemed for scrap metal only to be melted for recycling purposes only.

5 Steel Tanks

Maria Rosa Vizcarra
Purchasing Manager
Advance Steel Recovery

ADVANCED STEEL RECOVERY, INC.
PO BOX 3793
RANCHO CUCAMONGA, CA 91729-3793

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ENVIRONMENTAL SERVICES, INC.
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Appendix K
Hauling Manifests

Simi Valley Landfill and Recycling Center
2801 Madera Road
Simi Valley, CA, 93065 Ph: (805) 579-7267

Reprint
Ticket# 2955416

Customer Name: INTEGRATEDDEMOLITION INTEGRAT
Ticket Date 08/11/2022
Payment Type Credit Account
Billing# 0001216
Manual Ticket#
PO#
Contract

Carrier MONZON AND SON
Vehicle# 21624-1
Container
Generator Name 144-ARAGON LOSANGELES 1187 ARAG
Profile 653771CA (RULE 1166 SOIL)
Manifest# 2022-336

	Time	Scale	Operator
In	08/11/2022 10:43:09	3	TFLOWER2
Out	08/11/2022 10:43:09		TFLOWER2

Gross	77820 lb
Tare	35100 lb
Net	42720 lb
Tons	21.36

Comments

Customer assumes all risks & liability to self and vehicle.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	CSD-Special Waste Misc	100	21.36	Tons				LOSA
2	FUELSUR-FUEL SURCHARGE	100		%				LOSA
3	ENVFEE-Environmental Fee	100		%				LOSA

Total Tax
Total Ticket

Driver`s Signature

21624-1 Monzon & Son #24

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not-Required	1	(323) 622-8984	2022-336

GENERATOR

5. Generator's Name and Mailing Address

Aragon (Sunset/Everett Properties
O.O Box 26867
Los Angeles Ca. 90026
Generator's Phone: (310) 871-0727

Generator's Site Address (if different than mailing address)

1187 Sunset Blvd.
Los Angeles Ca. 90012

6. Transporter 1 Company Name: Monzon & Son Enterprises 2880 Norton Ave. Lynwood Ca.
U.S. EPA ID Number: Not-Required

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address

Simi Valley
2801 N. Madera Rd.
Simi Valley Ca. 93065
Facility's Phone: (805) 579-7267

U.S. EPA ID Number: CAD982346827

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS WASTE SOLID (SOIL)	1	DT	18	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Please wear protective equipment when handling. Emergency contact: Monzon & Son Enterprises (323)622-8984
Profile Number: 653771CA

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Siginalfredo Quezada
Signature
Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Terrance Flowers
Signature
Month 8 Day 19 Year 22

169-BLC-0-S 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Simi Valley Landfill and Recycling Center
2801 Madera Road
Simi Valley, CA, 93065 Ph: (805) 579-7267

Reprint
Ticket# 2955428

Customer Name: INTEGRATEDDEMOLITION INTEGRAT
Ticket Date 08/11/2022
Payment Type Credit Account
Billing# 0001216
Manual Ticket#
PO#
Contract

Carrier MONZON AND SON
Vehicle# 21110-1
Container
Generator Name 144-ARAGON LOSANGELES 1187 ARAG
Profile 653771CA (RULE 1166 SOIL)
Manifest# 2022-337

	Time	Scale	Operator
In	08/11/2022 10:53:41	3	EVANDERV
Out	08/11/2022 10:53:41		EVANDERV

Gross	88380 lb
Tare	36700 lb
Net	51680 lb
Tons	25.84

Comments

Customer assumes all risks & liability to self and vehicle.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	CSD-Special Waste Misc	100	25.84	Tons				LOSA
2	FUELSUR-FUEL SURCHARGE	100		%				LOSA
3	ENVFEE-Environmental Fee	100		%				LOSA

Total Tax
Total Ticket

Driver`s Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: Not-Required
2. Page 1 of: 1
3. Emergency Response Phone: (323) 622-8984
4. Waste Tracking Number: 2022-337

GENERATOR

5. Generator's Name and Mailing Address
Aragon (Sunset/Everett Properties
O.O Box 26867
Los Angeles Ca. 90026
Generator's Phone: (310) 871-0727

Generator's Site Address (if different than mailing address)
1187 Sunset Blvd.
Los Angeles Ca. 90012

6. Transporter 1 Company Name: Monzon & Son Enterprises 2880 Norton Ave. Lynwood Ca.
U.S. EPA ID Number: Not-Required

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Simi Valley
2801 N. Madera Rd.
Simi Valley Ca. 93065
Facility's Phone: (805) 579-7267
U.S. EPA ID Number: CAD982346827

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS WASTE SOLID (SOIL)	1	DT	18	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Please wear protective equipment when handling. Emergency contact: Monzon & Son Enterprises (323)622-8984
Profile Number: 653771CA

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: Sigifredo Quezada
Signature
Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Signature
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Elena Vandevate
Signature
Month Day Year: 12 11 17

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

APPENDIX F

PREVIOUS REPORTS

CITADEL EHS
assess • resolve • strengthen

September 28, 2022

Los Angeles Fire Department
Underground Storage Tank – Enforcement Unit
200 North Main Street, Suite 1700
Los Angeles, California 90012

Re: CITADEL Project No. 0942.1185
Aragon (Sunset/Everett) Properties Corp
Soils Report
Permit No. SR0034881
1185 Sunset Boulevard
Los Angeles, California 90026

To whom it may concern:

Citadel EHS (Citadel) is pleased to provide the Los Angeles Fire Department with this Soils Report for the above-referenced location. The Soils Report was prepared in accordance with Los Angeles Fire Department, Underground Storage Tank – Enforcement Unit, soils report requirements.

If, after your review, you have any questions or require additional information, please do not hesitate to telephone me at the Citadel Office at (818) 246-2707.

Sincerely,

CITADEL EHS

Scott Grasse, PG, MSc
Project Geologist, Engineering and Environmental Sciences

Enclosure

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Los Angeles Fire Department
Underground Storage Tank – Enforcement Unit
200 North Main Street, Suite 1700
Los Angeles, California 90012

Soils Report

September 28, 2022

Citadel Project Number 0942.1020.0

Aragon (Sunset/Everett) Properties Corp
1185 Sunset Boulevard
Los Angeles, California 90026

www.CitadelEHS.com

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1.0 INTRODUCTION

Citadel EHS (Citadel) is pleased to provide this Soils Report for the removal of five single-wall steel underground storage tanks (USTs) located at 1185 Sunset Boulevard, in the City of Los Angeles, California (Site). Refer to Figure 1 for a Site Location Map.

On May 27, 2022, the Los Angeles City Fire Department (LAFD) approved the Division 5 permit application and issued permit number SR0034881. A copy of the LAFD Division 5 permit is included in Appendix A. A copy of the LAFD UST Soil Report Requirements is included in Appendix B.

2.0 SITE IDENTIFICATION

2.1 Current Owner

The Site is owned by Aragon (Sunset/Everett) Properties Corp (Owner) and is currently being redeveloped with a multi-level apartment building. The Assessor's Parcel Number (APN) associated with the Site is 5406-016-028.

2.2 Current Business Activities

The Site is a graded lot. Demolition of historical buildings occurred in June 2022. The Site will be redeveloped with a multi-level apartment building.

2.2 Spill, Leak, and Accident History

The Site is not listed on the LAFD active, inactive, or historical UST lists, and no historical spills have been reported.

2.3 Number, Capacity, and Contents of Tanks and Other Components

The Site had five USTs described as follows[1]. Refer to Figure 2 for a Site Map showing the locations of the USTs.

- UST-2: 6,000 gallon capacity single-wall steel UST that contained approximately 100 gallons of gasoline.
- UST-3: 6,000 gallon capacity single-wall steel UST that contained approximately 100 gallons of gasoline.
- UST-4: 2,000 gallon capacity single-wall steel UST that contained approximately 100 gallons of gasoline.
- UST-5: 2,000 gallon capacity single-wall steel UST that was empty of contents.
- UST-6: 150 gallon capacity single-wall steel UST that contained approximately 2 gallons of waste oil.

[1] Numbering sequence was chosen to begin with "2"; the five USTs are therefore numbered UST-2 through UST-6.

3.0 BACKGROUND AND SUMMARY

3.1 Site Description

A review of a Phase I Environmental Site Assessment (Phase I) prepared by AEI Consultants (AEI) on February 26, 2013 showed the following:

- From at least 1906, the Site consisted of single-family residences. From at least 1927 to at least 1961, the Site was developed with a gas station and auto repair facility. Gas station operations were conducted until at least 1970 and were subsequently phased out. At the time of AEI's Phase I, the Site was operated as an auto repair facility and car wash.
- During AEI's site reconnaissance, AEI observed patched areas of asphalt on the southern portion of the Site. The patched areas appeared to be the locations of USTs associated with the historical gas station. According to the property owner at the time, four USTs were located at the Site.
- AEI observed two clarifiers at the Site. One clarifier was located in the auto repair garage and the other clarifier was located in the car washing area. Based on the presumed use of a the clarifier for auto repair operations and the on-site historical use of hazardous materials, AEI identified the clarifier located in the garage as a recognized environmental condition (REC).

3.2 Previous Investigations

As part of the Phase I, AEI reviewed a portion of a Phase I and Limited Subsurface Investigation (Phase II) for the Site, prepared by Petra Geotechnical, Inc. (Petra) in 2005. According to AEI's review, a subsurface geophysical survey conducted at the Site delineated the location of four USTs and one waste oil UST in the rear of the car wash. Petra conducted soil sampling in the vicinities of the USTs. The results of the soil sample analyses were that trace amounts of total petroleum hydrocarbons (TPH) were encountered in one sample collected at 22 feet below ground surface (bgs) from the vicinity of the waste oil UST. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or volatile organic compounds (VOCs) related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them, and soil vapor testing was not conducted. AEI identified the presence of the USTs as a REC.

Citadel reviewed a Phase II Subsurface Investigation (Phase II) Report prepared on March 22, 2013, by AEI. AEI advanced eight borings across the Site to depths between 16 and 20 feet bgs and collected soil and groundwater samples. The samples were analyzed for VOCs and TPH. No VOCs or TPH were detected in the samples.

4.0 GEOLOGY AND HYDROLOGY

4.1 Geology

The Site is at an elevation of approximately 404 feet above mean sea level (AMSL). The Site is identified on the geologic map of the Hollywood and south half Burbank quadrangles (Dibblee and Ehrenspeck, 1991) as being Miocene age bedrock consisting of gray to light brown thin-bedded silty clay shale, that is soft and crumbly, locally contains scattered hard calcareous nodules, and in places contains laminae of fine grained soft sandstone.

4.2 Hydrology

The Site is underlain by bedrock and not located within a groundwater basin. According to AEI's review of Petra's Phase II, soil borings were advanced across the Site to 30 feet bgs and groundwater was not encountered. According to the State Water Resources Control Board (SWRCB) Geotracker online database, groundwater was encountered in 2011 at approximately 12 to 20 feet bgs and flowing to the southwest at the G.H. Palmer and Associates leaking UST (LUST) cleanup site, located at 867 Cesar Chavez Avenue, approximately 0.42 mile southeast of the Site. Groundwater was not encountered during this investigation.

5.0 TANK REMOVAL ACTIVITIES, PROCEDURES, ON-SITE INSPECTION

5.1 Tank and Clarifier Contents Sampling

On June 27, 2022, Citadel visited the Site to collect samples of the contents from the USTs and clarifiers. A sample could not be collected from UST No. 5 due to inaccessible ports. Access to the clarifier in the auto repair garage was not accessible due to the presence of trash and other debris. Citadel observed an uncovered concrete drainage sump with dimensions of approximately two feet wide and long, and one foot deep, and containing a dark sludgy material. Samples were collected from UST Nos. 2, 3, 4 and 6, the clarifier located in the car wash area, and the sump.

The samples were analyzed for TPH by EPA Method 8015B, VOCs including fuel oxygenates and naphthalene by EPA Method 8260B, and Title 22 Metals by EPA Method 6010B/7471. Due to the historical usage of UST No. 6 as a waste oil UST and lack of historical information regarding the use of the clarifier and sump, the samples from UST No. 6, the clarifier and sump were also analyzed for polychlorinated biphenyls (PCBs) by EPA Method 8082.

The results are presented in Tables 1 and 2. The laboratory reports are included in Appendix C. Based on the analytical results, Citadel finds the following.

- The contents of USTs No. 2 through 4 consisted of gasoline and diesel range hydrocarbons, hydrocarbon-related volatile organic compounds, and lead. The contents of UST No. 6 consisted of diesel range hydrocarbons, hydrocarbon related VOCs, and lead.
- TPH as diesel (TPHd) and TPH as oil (TPHo) were reported in the clarifier and sump samples, at concentrations above construction worker exposure screening levels in the sump sample.
- Copper and lead in the clarifier sample, and chromium, copper and lead in the sump sample were reported at concentrations that were above their respective Soluble Threshold Limit Concentration (STLC) thresholds[2]. The samples were therefore analyzed for these constituents by the STLC procedure. Results of the analyses were STLC concentrations below their respective STLC regulatory limits, and therefore are not classified as hazardous waste.

[2] California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24 (CCR T22:66261.24).

5.2 Tank Removal Activities

A site-specific health and safety plan (HASP) was prepared prior to on-site activities. This HASP identified existing and potential hazards for workers at the Site during excavation, UST removal, and sample collection activities. Refer to Appendix D for a copy of the HASP, Appendix E for Citadel's Field Notes, and Appendix F for a Photographic Log.

On July 12, 2022, Citadel, Integrated Demolition and Remediation, Inc. (IDR), located in Anaheim, California, and North State Environmental (North State), located in Rialto, California, mobilized to the Site to begin the process of exposing and cleaning the USTs. Approximately 285 cubic yards (cy) of soil was removed and stockpiled adjacent to the USTs. Citadel performed air monitoring during all excavation activities using a photoionization detector (PID) calibrated to hexane gas, in accordance with SCAQMD Rule 1166 requirements. During excavation activities, VOCs were detected from some of the excavated spoils, at concentrations between 4 and 162 ppmv. Upon measuring VOCs of 50 ppmv or greater, the soil was segregated into a separate stockpile. Refer to Appendix G for Rule 1166 air monitoring log records.

The top of each UST was located at approximately four feet bgs. Following exposure of the top of the UST, North State remove residual fluids from the USTs and cleaned the USTs. During the UST cleaning process, 1,575 gallons of residual fluids and rinsate were produced. North State placed the fluids into 50-gallon totes and 55-gallon steel drums. The totes and drums were removed from the Site on July 12, 2022, by North State, and transported to US Ecology Inc. (US Ecology) in Beatty, Nevada. The fluids disposal manifest is included in Appendix H.

On July 14, 2022, Citadel and IDR mobilized to the site to begin the process of removing the USTs. The USTs were certified clean by Ms. Nancy G. Carraway, a Certified Industrial Hygienist (CIH), prior to removal. Ms. Carraway labeled each UST with white paint. The USTs were then placed on a flatbed truck by IDR for transportation to Advanced Steel Recovery, in Fontana, California for recycling. A copy of the Hazardous Waste Tank Closure Certification Report processed by Ms. Carraway is included as Appendix I. The UST Certificate of Destruction is included as Appendix J.

The soil directly beneath the west end of UST No. 3 was stained and emitted a strong gasoline odor. VOC concentrations when measured with the PID exceeded the instrument upper limit of 10,000 ppm_v. No other evidence of contamination of the USTs was observed. The integrity of the USTs did not appear compromised after being pulled out of the excavation area.

5.3 Soil Sampling

On July 14, 2022, and at the direction of LAFD Inspector Belknap, soil samples were collected from approximately two feet beneath the east and west ends of each UST. Samples are identified by the sample date, UST number, and cardinal direction relative to the tank ends. For example, 0714-5-EAST was collected from beneath the east end of UST No. 5 on July 14, 2022. Inspector Belknap directed the collection of stockpile samples from the north and south ends of the excavated soil stockpile, identified as samples SP-UST-North and SP-UST-South, and from the segregated VOC-impacted soil, identified as SP-1166. Soil samples were collected by State Professional Geologist Mr. Scott Grasse under EPA 5035 protocol using the TerraCore sampling system.

5.4 Excavation and Removal of Impacted Soil

On August 11, 2022, Citadel and IDR mobilized to the Site to excavate and remove the gasoline-impacted soil beneath the west end of UST No. 3. Under the direction of Inspector Belknap, the impacted soil was removed, and a soil sample collected at the base of the excavated area,

identified as UST-SOIL-081122. A total of 21.36 tons (approximately 14 cy) of gasoline-impacted soil was segregated and removed from the Site to Waste Management Simi Valley under waste tracking number 2022-336. A total of 25.84 tons (approximately 17 cy) of stockpiled VOC-impacted soil was segregated and removed from the Site to Waste Management Simi Valley under waste tracking number 2022-337. Refer to Appendix K for the Hauling Manifests.

5.5 Clarifier and Sump Removal

On August 11, 2022, following removal of the gasoline-impacted soil, IDR removed the clarifier located in the car wash area, and the sump. Citadel was not present during these removal activities.

5.6 Laboratory Analyses

Based on the historical usage of each UST and under the direction of Inspector Belknap, the soil samples were analyzed per LAFD analytical group requirements as follows.

- UST Nos. 2 through 4: Group A requirement to include TPH as gasoline (TPHg), benzene, toluene, ethylbenzene and xylene (BTEX), fuel oxygenates, and naphthalene.
- UST Nos. 5 and 6: Group C requirement to include TPH full carbon chain and VOCs including fuel oxygenates and naphthalene.

Soil samples collected from beneath the USTs and the stockpiles were analyzed for TPH by EPA Method 8015B and VOCs by EPA Method 8260B. To profile the stockpiled soil for potential removal, SP-UST-North, SP-UST-South and SP-1166 were also analyzed for Title 22 metals by EPA Method 6010B/7471.

Laboratory results are presented in Tables 1 and 2. Refer to Appendix C for the Laboratory Reports. Results of the analyses are the following.

- TPHg was reported in 0714-2-EAST, at a concentration of 2.4 mg/kg, below the LAFD minimum action level (MAL) of 100 mg/kg.
- TPH as diesel (TPHd) and TPH as oil (TPHo) were reported in 0714-5-WEST, at concentrations of 6.1 and 4.5, mg/kg, respectively, below the LAFD minimum action level (MAL) for TPHg of 100 mg/kg.
- TPHg was reported in 0714-3-WEST, at a concentration of 740 mg/kg, above the LAFD minimum action level (MAL) of 100 mg/kg. However, the soil represented by this sample was removed from the Site as described in Section 5.3, and is no longer present at the Site. No TPHg was reported in the confirmation sample UST-SOIL-081122 that was collected subsequent to excavation of the impacted soil.
- TPHg, TPHd and TPHo, and a total of six VOCs were reported in SP-1166, at concentrations that are below their respective residential and construction worker exposure screening levels.
- TPH and TPHo were reported in SP-UST-North and SP-UST-South, at concentrations that are below their respective residential and construction worker exposure screening levels.
- TPH and VOCs were not reported at concentrations above the laboratory method detection limit (MDL) in any of the other soil samples,
- Concentrations of reported heavy metals in soil were reported below respective residential and construction worker exposure screening levels, Total Threshold Limit Concentration (TTLC) regulatory limits, and Soluble Threshold Concentration Limit (STLC) thresholds. The exception is arsenic reported in all samples at concentrations

that are above the residential screening level of 0.11 mg/kg, but below the DTSC background arsenic level of 12 mg/kg.

5.7 Statement of Responsibility

The tasks and activities associated with this project were conducted under the supervision of Mr. Scott Grasse, PG#9878. Mr. Grasse is a Professional Geologist as defined in the Geologist and Geophysicists Act.

6.0 FINDINGS AND RECOMMENDATIONS

Based on the laboratory analytical results, Citadel finds the following:

- Five USTs, one clarifier, and one sump were removed from the Site.
- Samples from the UST contents, the sump and clarifier were collected and analyzed.
    - The contents of USTs No. 2 through 4 consisted of gasoline and diesel range hydrocarbons, hydrocarbon-related volatile organic compounds, and lead. The contents of UST No. 6 consisted of diesel range hydrocarbons, hydrocarbon related VOCs, and lead.
    - TPH as diesel (TPHd) and TPH as oil (TPHo) were reported in the clarifier and sump samples, at concentrations above construction worker exposure screening levels in the sump sample.
    - Copper and lead in the clarifier sample, and chromium, copper and lead in the sump sample were reported at concentrations that were above their respective Soluble Threshold Limit Concentration (STLC) thresholds, and below their respective STLC regulatory limits, and therefore are not classified as hazardous waste.
- Gasoline-impacted soil with reported TPHg above the LAFD MAL was excavated and removed from the Site.
    - A total of 21.36 tons (approximately 14 cy) of gasoline-impacted soil was segregated and removed from the Site.
    - A total of 25.84 tons (approximately 17 cy) of VOC-impacted soil was segregated and removed from the Site under AQMD Rule 1166 protocol.
    - Under LAFD oversight, a confirmation soil sample identified as UST-SOIL-081122 was collected following the removal of impacted soil.
- Under LAFD oversight, soil samples were collected from beneath each UST.
    - TPH was reported in soil samples collected from beneath UST Nos. 2 and 5, at concentrations that are below the LAFD MAL.
    - TPHg was reported in 0714-3-WEST, at a concentration that was above the LAFD MAL However, the soil was removed from the Site and the area was resampled. No TPHg was reported in the confirmation sample.
    - TPH and VOCs were not reported at concentrations above the MDL in any of the other soil samples,
    - Reported concentrations of heavy metals were below exposure screening levels, TTLC regulatory limits and STLC thresholds.
- Under LAFD oversight, soil samples were collected from two stockpiles of soil.
    - TPH and VOCs were reported in stockpile soil samples at concentrations that are below exposure screening levels.
    - Reported concentrations of heavy metals were below exposure screening levels, TTLC regulatory limits and STLC thresholds.

Due to the absence VOCs and TPH above LAFD MALs, Citadel recommends no further action with respect to the USTs removal. Citadel respectfully requests that LAFD grant a closure letter for the USTs.

7.0 REFERENCES

AEI Consultants, Phase I Environmental Site Assessment, 2013, 1185-1245 West Sunset Boulevard, Los Angeles, California 90026, February 26.

AEI Consultants, Phase II Subsurface Investigation, 2013, 1185-1245 West Sunset Boulevard, Los Angeles, California 90026, March 22.

California State Water Resources Control Board, GeoTracker (http://geotracker.waterboards.ca.gov/).

California Code of Regulations, Title 22, Division 4.5, Chapter 11, Article 3, Section 66261.24 (CCR T22:66261.24), Soluble Threshold Limit Concentration (STLC).

Code of Federal Regulations, Part 40, Title 261 (40CFR261), Total Threshold Limit Concentrations (TTLC), Toxicity Characteristic Leaching Procedure (TCLP).

Department of Toxic Substances Control, 2008, Determination of a Southern California Regional Background Arsenic Concentration in Soil, Chernoff, G., Bosan, W., and Oudiz, D.

Dibblee, T.W., and Ehrenspeck, H.E., ed., 1991, Geologic map of the Hollywood and South ½ Burbank quadrangle, Los Angeles County, California: Dibblee Geology Center Map, #DF-30, scale 1:24,000.

Frey Environmental, Inc., 2011, Groundwater Monitoring Well Monitoring and Sampling Report – First Half 2011 and Request for No Further Action, Orsini II, 867 West Cesar E Chaves, Avenue, Los Angeles, California (RWQCB No. 900120498, GID No. T10000000641, August 8.

Los Angeles County Assessor's Office, on-line parcel information (www.assessor.lacounty.gov).

United States Geological Survey (USGS), 2018. Hollywood, California 7.5 minute topographic quadrangle, United States Geological Survey.

8.0 SIGNATURES

Report Prepared by:

Scott Grasse, P.G. 9878
Project Geologist, Engineering and Environmental Sciences

Report Reviewed and Approved by:

Nalinna Rasu, CAC, CDPH, CHMM, LEED AP
Principal, Engineering and Environmental Sciences

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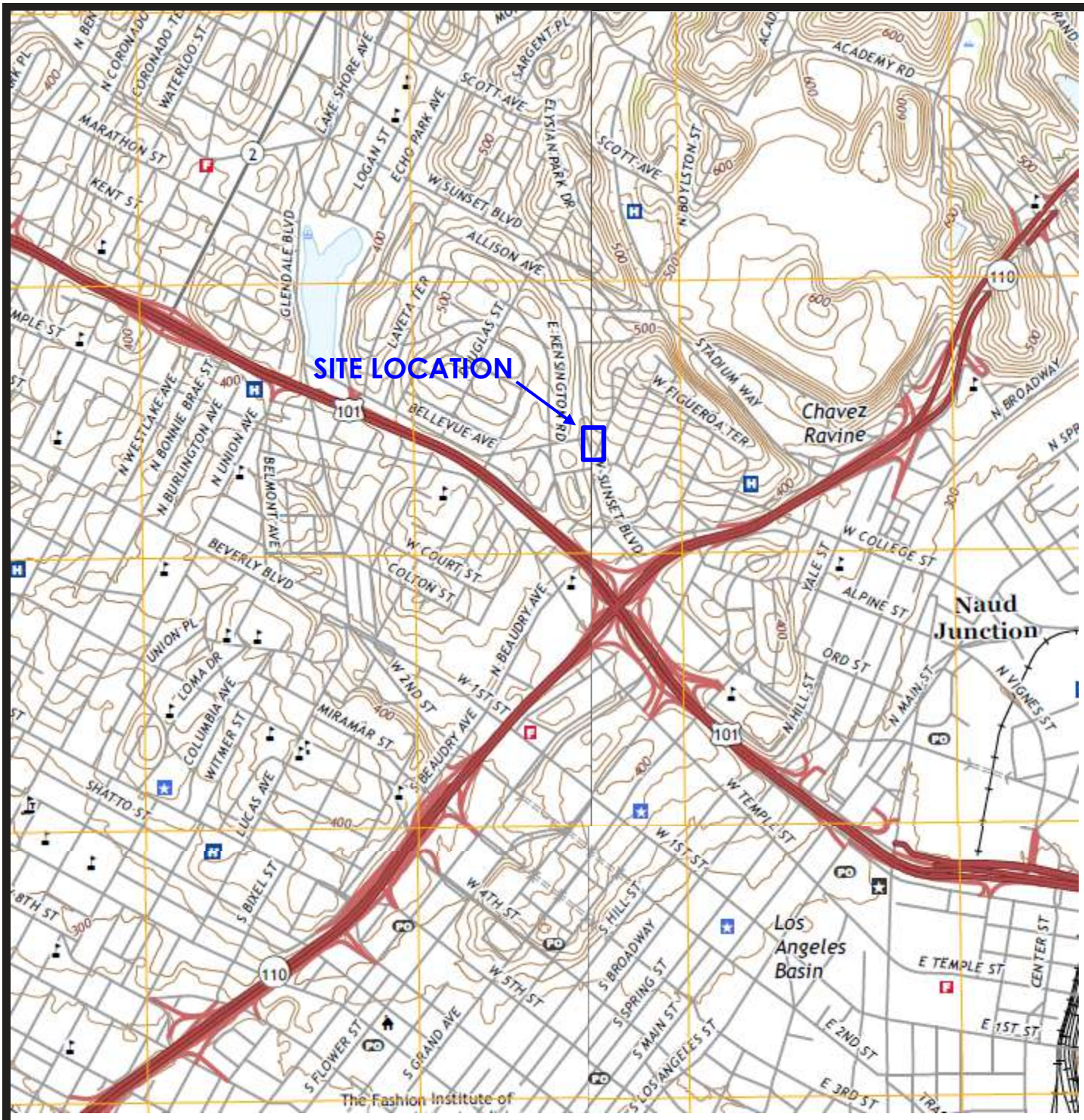
Figures



0 0.5 1

Miles

N

Source: USGS, Hollywood Quadranales, 7.5 Minute Series (2018)

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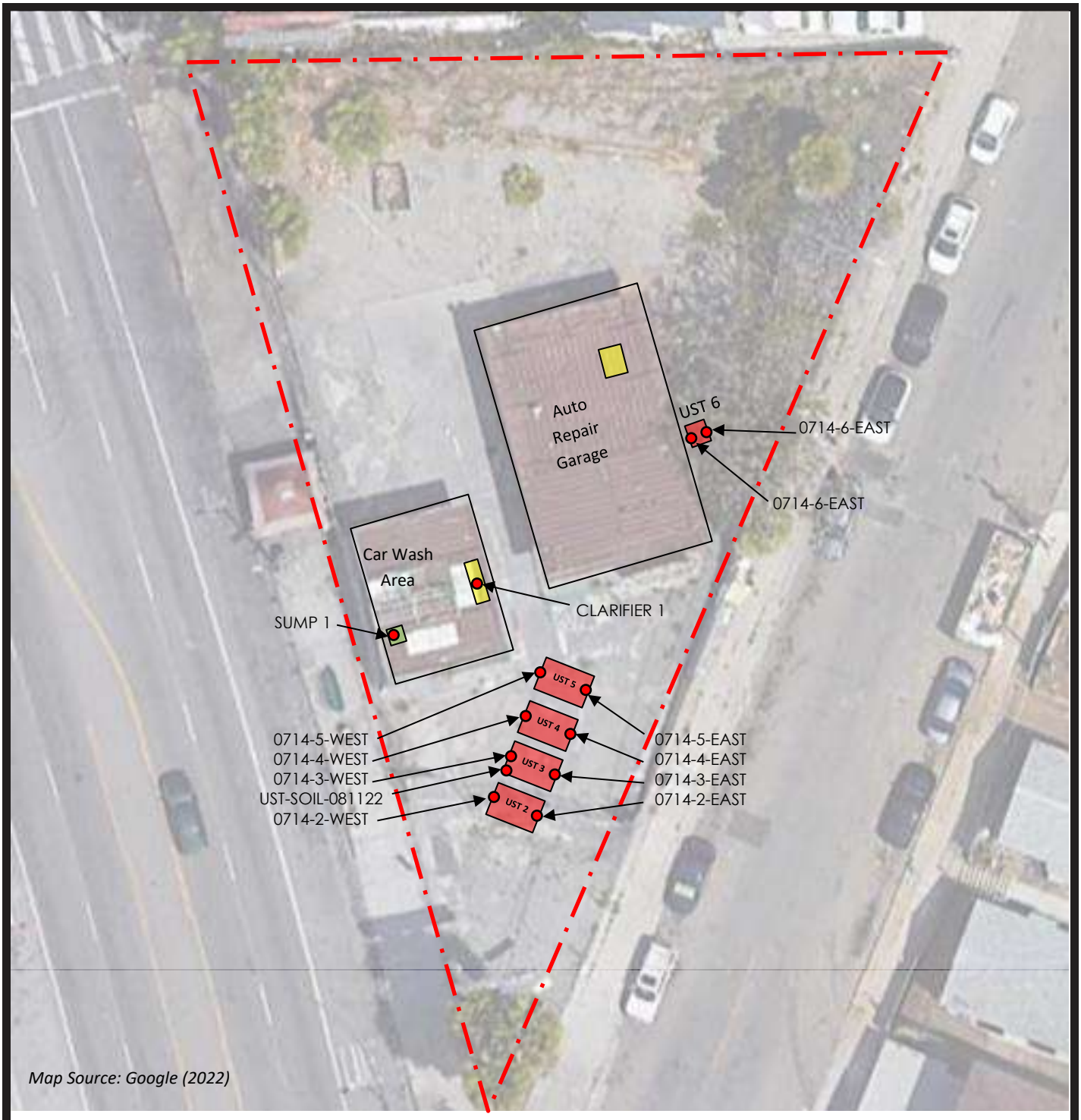
Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 1

PROJECT NO.: 0942.1020.0

DATE: SEPTEMBER, 2022

SITE LOCATION MAP



Site Boundary
UST
Clarifier
Sump
Soil Sampling Location with Sample ID

0 20 40 60 80
Feet

N

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Integrated Demolition and Remediation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 2

PROJECT NO.: 0942.1020.0
DATE: SEPTEMBER 2022

Site Map

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Tables

Table 1. Total Petroleum Hydrocarbons (TPH) and Volatile Organic Compounds (VOCs) in Soil and UST Contents
1185 Sunset Boulevard, Los Angeles, California 90026

Sample ID	Date Sampled	Media Type	Sample Source	LAFD Analytical Requirement	Total Petroleum Hydrocarbons			Volatile Organic Compounds														
					TPH-gasoline (C4-C12)	TPH-diesel (C10-C28)	TPH-oil (C29-C44)	Benzene	Ethyl-benzene	Toluene	m,p-Xylene	o-Xylene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Acetone	n-Butyl-Benzene	sec-Butyl-Benzene	Isopropyl-benzene	p-Iso-propyl-toluene	Methylene Chloride (DCM)	Napthalene	n-Propyl-benzene
					milligrams per kilogram (mg/kg)			milligrams per kilogram (mg/kg)														
UST2	6/27/2022	NAL	UST No. 4 Contents	-	**560,000**	**350,000**	3,800 **J**	1600 **J**	**9,000**	**21,000**	**36,000**	**14,000**	**25,000**	**7,700**	**11,000**	**1,000 J**	< 0.045	**890 J**	**< 890**	**< 1,800**	**3,300 J**	**3,900 J**
UST3	6/27/2022	NAL	UST No. 3 Contents	-	**34,000**	**32,000**	200 **J**	< 9.4	**670**	**820**	**3,200**	**1,300**	**3,000**	**870**	**110**	**220**	< 0.045	**85**	**29 J**	**56 J**	**580**	**350**
UST4	6/27/2022	NAL	UST No. 2 Contents	-	**710,000**	**320,000**	3,700 **J**	< 940	**8,300**	**32,000**	**74,000**	**27,000**	**44,000**	**15,000**	**11,000**	**2,200 J**	< 0.045	**1,500 J**	**< 890**	**< 1,800**	**5700**	**5400**
WOT1	6/27/2022	NAL	UST No. 6 Contents	-	<47	**470**	260 **J**	0.300 **J**	**5.8**	**6.6**	**31**	**15**	**55**	**15**	**2.7**	**2.5**	< 0.045	**1.2**	**1.4**	**< 0.46**	**27**	**4.9**
Clarifier 1	6/27/2022	soil	Clarifier 1	-	<49	**560**	**910**	< 2.4	< 2.1	2.9 **J**	< 4.3	< 2.4	< 2.8	< 2.1	< 7	< 2.5	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
Sump 1	6/27/2022	soil	Sump 1	-	300 **J**	**4,800**	**4,600**	< 2.4	< 2.1	< 2.6	< 4.3	< 2.4	< 2.8	< 2.1	< 7	< 2.5	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
0714-2-EAST	7/14/2022	soil	Gasoline UST No. 2	Group A	**2.4**	-	-	< 0.042	< 0.042	< 0.042	< 0.084	< 0.042	< 0.084	< 0.084	< 0.84	< 0.042	< 0.042	< 0.042	< 0.042	< 0.42	< 0.42	< 0.084
0714-2-WEST	7/14/2022	soil	Gasoline UST No. 2	Group A	< 0.076	-	-	<0.00083	< 0.00083	< 0.00083	< 0.0017	< 0.00083	< 0.0017	< 0.0017	< 0.017	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.0083	< 0.0083	< 0.0017
0714-3-EAST	7/14/2022	soil	Gasoline UST No. 3	Group A	< 0.086	-	-	< 0.00077	< 0.00077	< 0.00077	< 0.0015	< 0.00077	< 0.0015	< 0.0015	< 0.015	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.0077	< 0.0077	< 0.0015
0714-3-WEST	7/14/2022	soil	Gasoline UST No. 3	Group A	**740**	-	-	< 1.6	< 1.6	< 1.6	< 3.1	< 1.6	**32**	**12**	< 31	**8.7**	**1.9**	< 1.6	**< 1.6**	< 16	< 16	**7**
UST-SOIL-081122	8/11/2022	soil	Gasoline UST No. 3	Repeat 0714-3-WEST	<0.500	<10.0	<50.0	< 0.00093	< 0.001	< 0.002	< 0.004	< 0.004	< 0.010	< 0.010	0.0136 **J**	< 0.010	< 0.010	<0.0042	<0.0035	<0.0031	<0.0014	<0.0014
0714-4-EAST	7/14/2022	soil	Gasoline UST No. 4	Group A	< 0.082	-	-	< 0.00087	< 0.00087	< 0.00087	< 0.0017	< 0.00087	< 0.0017	< 0.0017	< 0.017	< 0.00087	< 0.00087	< 0.00087	< 0.00086	< 0.0087	< 0.0087	< 0.0017
0714-4-WEST	7/14/2022	soil	Gasoline UST No. 4	Group A	< 0.085	-	-	<0.00083	< 0.00083	< 0.00083	< 0.0017	< 0.00083	< 0.0017	< 0.0017	< 0.017	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.0083	< 0.0083	< 0.0017
0714-5-EAST	7/14/2022	soil	Unknown UST No. 5	Group C	< 0.091	<4.9	<4.9	< 0.00090	< 0.0009	< 0.0009	< 0.0018	< 0.0009	< 0.0018	< 0.0018	< 0.018	< 0.0009	< 0.0009	< 0.0009	< 0.0009	< 0.009	< 0.009	< 0.0018
0714-5-WEST	7/14/2022	soil	Unknown UST No. 5	Group C	< 0.11	**6.1**	**14.5**	< 0.00089	< 0.00089	< 0.00089	< 0.0018	< 0.00089	< 0.0018	< 0.0018	< 0.018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.0089	< 0.0089	< 0.0018
0714-6-EAST	7/14/2022	soil	Waste Oil UST No. 6	Group C	< 0.094	< 4.9	<4.9	< 0.00092	< 0.00092	< 0.00092	< 0.0018	< 0.00092	< 0.0018	< 0.0018	< 0.018	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.0092	< 0.0092	< 0.0018
0714-6-WEST	7/14/2022	soil	Waste Oil UST No. 6	Group C	< 0.11	< 4.9	<4.9	< 0.00096	< 0.00096	< 0.00096	< 0.0019	< 0.00096	< 0.0019	< 0.0019	< 0.019	< 0.00096	< 0.00096	< 0.00096	< 0.00096	< 0.0096	< 0.0096	< 0.0019
SP-1166	7/14/2022	soil	Excavated Soil	Group C	**1.9**	**49**	**141**	<0.045	< 0.045	**0.05**	**0.96**	**0.35**	**0.53**	**0.32**	< 0.89	**0.051**	< 0.045	< 0.045	< 0.045	< 0.45	< 0.45	< 0.089
SP-UST-North	7/14/2022	soil	Excavated Soil	Group C	< 0.10	**22**	**47**	< 0.00099	< 0.00099	< 0.00099	< 0.002	< 0.00099	< 0.002	< 0.002	< 0.02	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.0099	< 0.0099	< 0.002
SP-UST-South	7/14/2022	soil	Excavated Soil	Group C	< 0.088	**45**	**103**	< 0.00098	< 0.00098	< 0.00098	< 0.002	< 0.00098	< 0.002	< 0.002	0.021	< 0.00098	< 0.00098	< 0.00098	< 0.00098	< 0.0098	< 0.0098	< 0.002
LAFD Minimum Action Level					100	100	--	1	50	50	50	50	--	--	--	--	--	--	--	--	--	--
ESL - Construction Worker Exposure					1,800	1,100	54,000	33	540	--	2,400	2,400	--	--	270,000	--	--	--	--	490	400	--
DTSC SL - Commercial/Industrial Subslab Cancer Endpoint					--	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--	26	6.5	--
DTSC SL - Commercial/Industrial Subslab non-Cancer Endpoint					500	18,000	18,000	46	--	5,300	--	--	--	--	--	18,000	12,000	--	--	2,500	570	--
DTSC SL - Residential Subslab Cancer Endpoint					--	--	--	0.33	--	--	--	--	--	--	--	--	--	--	--	2.2	2	--
DTSC SL - Residential Subslab non-Cancer Endpoint					97	2,400	2,400	11	--	1,100	--	--	--	--	--	2,400	2,200	--	--	310	13	--

[1] Regional Screening Levels (USEPA, 2020).

[1] Carcinogenic Target Risk = 1E-06

[1] Non-Cancer Child Hazard Risk Index = 1

Notes:

NAL = Non-aqueous liquid

Bold = Analyte detected above the Reporting Limit.

J = Analyte detected above the laboratory Method Detection Limit but below the Reporting Limit.

< = Analyte not detected at or above given Reporting Limit

- = Not analyzed.

-- = No regulatory criterion.

DTSC SL = Department of Toxic Substance Control Screening Levels (DTSC), Human and Ecological Risk Office (HERO), Health Risk Assessment Note Number 3, 2020

ESL = Environmental Screening Levels (SFBRWQCB, 2019).

Table 2. Title 22 Metals in Soil and UST Contents
1185 Sunset Boulevard, Los Angeles, California 90026

Sample ID	Date Sampled	Media Type	Sample Source	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybd-enum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	STLC Chromium	STLC Copper	STLC Lead
				milligrams per kilogram (mg/kg)																	milligrams per liter (mg/L)		
UST2	6/27/2022	NAL	UST No. 4 Contents	<3.1	<1.3	<0.20	<0.22	<0.15	<0.41	<0.13	<1.2	**900**	<0.047	<1.2	<0.51	<0.78	<0.31	<1.1	<0.84	2.4 J	-	-	-
UST3	6/27/2022	NAL	UST No. 3 Contents	<3.2	<1.3	0.90 J	<0.22	0.20 J	1.4 J	0.42 J	**4.7**	**6.1**	<0.043	<1.2	<0.52	<0.80	<0.32	<1.2	<0.86	**290**	-	-	-
UST4	6/27/2022	NAL	UST No. 2 Contents	<3.2	<1.3	1.1 J	<0.22	<0.15	<0.42	<0.14	<1.2	**6.1**	<0.045	<1.2	<0.52	<0.80	<0.32	<1.2	<0.86	5.3 J	-	-	-
WOT1	6/27/2022	NAL	UST No. 6 Contents	<3.2	<1.3	**16**	<0.22	0.16 J	1.2 J	<0.14	**7.1**	**220**	<0.045	<1.2	<0.52	<0.80	<0.32	<1.2	<0.86	**280**	-	-	-
Clarifier 1	6/27/2022	soil	Clarifier 1	**46**	**3.0**	**790**	<0.20	**1.2**	**36**	**5.8**	**820**	**62**	0.074 J	**19**	**75**	<0.74	0.77 J	4.1 J	**17**	**880**	-	0.13 J	< 0.070
Sump 1	6/27/2022	soil	Sump 1	**47**	**4.3**	**970**	<0.22	**1.5**	**50**	**6.5**	**1100**	**92**	0.079 J	**22**	**69**	<0.80	**2.8**	<1.3	**19**	**1100**	**0.40**	**0.47**	0.078 J
0714-3-WEST	7/14/2022	Soil	Gasoline UST No. 3	< 10.2	< 3.06	**118**	< 0.510	< 0.510	**11.6**	**7.83**	**19.6**	**5.22**	**0.0875**	**2.18**	**16.2**	< 3.06	< 1.53	< 10.2	**26.6**	**42.1**	-	-	-
0714-6-EAST	7/14/2022	Soil	Waste Oil UST No. 6	< 10.0	**4.63**	**120**	< 0.500	**1.14**	**12.0**	**15.1**	**20.2**	**3.43**	**0.138**	**2.56**	**22.3**	< 3.00	< 1.50	< 10.0	**31.9**	**61.0**	-	-	-
SP-1166	7/14/2022	Soil	Excavated Soil	< 10.0	**3.24**	**104**	< 0.500	**0.513**	**11.1**	**6.14**	**17.5**	**22.9**	< 0.0850	< 2.00	**11.2**	< 3.00	< 1.50	< 10.0	**25.3**	**85.2**	-	-	-
SP-UST-North	7/14/2022	Soil	Excavated Soil	< 10.2	**3.71**	**115**	< 0.510	**0.574**	**13.0**	**6.19**	**15.6**	**16.6**	< 0.0817	< 2.04	**14.2**	< 3.06	< 1.53	< 10.2	**27.8**	**122**	-	-	-
SP-UST-South	7/14/2022	Soil	Excavated Soil	< 10.3	**3.42**	**63.7**	< 0.513	< 0.513	**7.27**	**4.08**	**12.9**	**6.21**	< 0.0817	< 2.05	**6.62**	< 3.08	< 1.54	< 10.3	**16.6**	**65.3**	-	-	-
ESL - Construction Worker Exposure				50[2]	2.0[1,3]	3,000[2]	180[1]	110[1]	--	49[1]	14,000[2]	2,700	44[2]	1,700[2]	1,800[1]	1,700[2]	1,800[2]	3.5[2]	470[2]	110,000[2]	--	--	--
ESL - Residential Direct Exposure				0.67[2]	0.11[3,4]	15,000[2]	1,600[1]	910[1]	--	420[1]	3,100[2]	80[4]	1[2]	390[2]	15,000[1]	390[2]	390[2]	0.78[2]	390[2]	23,000[2]	--	--	--
ESL - Commercial/Industrial Soil Direct Exposure				160[2]	0.31[1,3]	220,000[2]	6,900[1]	4,000[1]	--	1,900[1]	47,000[2]	380[4]	190[2]	5,800[2]	64,000[1]	5,800[2]	5,800[2]	12[2]	5,800[2]	350,000[2]	--	--	--
TTLC Limit				500	500	10,000	75	100	2,500	8,000	2,500	1000	20	3,500	2,000	100	500	700	2400	5,000	--	--	--
Run STLC if total exceeds:				150	50	1,000	7.5	10	50	800	250	50	2	3,500	200	10	50	70	240	2,500	--	--	--
STLC limit (mg/L)				15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250	5	25	5

[1] Carcinogenic Target Risk = 1E-06; [2] Noncancer Child Hazard Index = 1; [3] Arsenic background level is 12 mg/kg (DTSC, 2008); [4] Carcinogenic Target Risk = 1E-06 (DTSC, 2020)

Notes:

NAL = Non-aqueous liquid
mg/L = milligrams per liter
Bold = Analyte detected above the Reporting Limit.
J = Analyte detected above the laboratory Method Detection Limit but below the Reporting Limit.
< = Analyte not detected at or above given Reporting Limit.
- = Not analyzed.
-- = Criterion is less stringent than other SLs or no regulatory criterion.
ESL = Environmental Screening Levels (SFBRWQCB, 2019).
TTLC = Total Threshold Limit Concentration
STLC = Soluable Threshold Concentration Limit
Exceeds STLC threshold.

CITADEL
ENVIRONMENTAL SERVICES, INC.
assess • resolve • strengthen

Appendix A
Los Angeles Fire Department Underground Storage Tank Division 5 Permit

Los Angeles Fire Department
Underground Storage Tank Project Permit

FIRE DEPT. USE ONLY

CERS ID	LAFD UNIFIED PROGRAM FACILITY ID:	PERMIT NO.:	DATE GRANTED:	WORK MUST BEGIN BY:	EXPIRATION DATE:
20505278	FA0028838	SR0034881	5/27/2022	11/27/2022	5/27/2023

ENFORCEMENT INSPECTOR	FIRE STATION #	PERMIT TYPE:
BARRY BELKNAP 2134070340	003	UST TANK ABANDON BY REMOVAL

LOCATION INFORMATION

DOING BUSINESS AS (DBA): ARAGON (SUNSET/EVERETT) PROPERTIES CORP
EPA ID NO: (not required for installation or monitoring)
ADDRESS: 1185 W SUNSET BLVD
PHONE NO: (310) 871-0727
CITY: LOS ANGELES **STATE:** CA **ZIP:** 90026

PROPERTY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

LESSEE/FACILITY OWNER

NAME: ARAGON (SUNSET/EVERETT) PROPERTIES CORP
PHONE NO: (310) 871-0727
ADDRESS: 590 ROSECRANS AVE SU D-303
CITY: MANHATTAN BEACH **STATE:** CA **ZIP:** 90266
PRINT NAME:
EMAIL: RBEILFUSS@ARAGON.CA

CONTRACTOR INFORMATION

NAME: INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
PHONE NO: (714) 340-3333
ADDRESS: 4938 E LA PALMA AVE
CITY: ANAHEIM **STATE:** CA **ZIP:** 92807-

CITY BUSINESS NUMBER:	STATE CONTRACTOR #:	EXP. DATE:	WORK COMP NUMBER -	EXP. DATE:
	1003504	5/31/2021		8/27/2020

PRINT NAME: NICK VORA
EMAIL: NICK@IDRDEMO.COM
TITLE:

	ITEM	PE	QTY
	UST Installation	5100	
	UST Abandonment-In-Place	5200	
[X]	UST Abandonment by Removal	5201	6
	UST Add to/Alter: Monitor/Piping/Disp.	5300	
	UST Tank Entry / Lining / Repair	5301	
	Site Assessment	5400	
	Emergency Plan Check/Site Assessment	5401	

NOTES:
Permit No: SR0034881 Invoice No: IN0324336

Abandon by removal (5) USTs and all associated piping. LAFD Fire Inspector required to be scheduled to witness removal and gathering of soil samples.

APPROVED

Jerry Kao

INSPECTOR NAME: JERRY KAO
INSPECTOR SIGNATURE: LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION
CUPA/UST PLAN CHECK

LOS ANGELES FIRE DEPARTMENT

UNDERGROUND STORAGE TANK - PROJECT PERMIT STATEMENT

FIRE PREVENTION BUREAU CUPA SECTION
200 NORTH MAIN STREET, ROOM 1780
LOS ANGELES, CA 90012
TEL: (213) 978-3700
FAX: (213) 978-3615

INVOICE

Invoice Date: 5/26/2022

Permit No/RFI: SR0034881

Invoice No: IN0324336

Owner Name: ARAGON (SUNSET/EVERETT) PROPERTIES CORP

Owner Address: 590 ROSECRANS AVE SU D-303
MANHATTAN BEACH, CA 90266

Owner Phone No: (310) 871-0727

CONTRACTOR (Company Name/Self):
INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED

ARAGON (SUNSET/EVERETT) PROPERTIES CORP
1185 W SUNSET BL
LOS ANGELES, CA 90012

Site Address: 1185 W SUNSET BLVD
LOS ANGELES, CA 90026

	DATE	PE	DESCRIPTION	AMOUNT
PAYMENTS				
	5/26/2022	9917	PRE-PAYMENT (D5)	($7,014.00)
			PAYMENTS SUBTOTAL:	**($7,014.00)**
			CHARGES:	**$0.00**
			PENALTIES:	**$0.00**
			PAYMENTS:	**($7,014.00)**
			ADJUSTMENTS:	**$0.00**
			INVOICE TOTAL DUE:	**($7,014.00)**

For Division 5 Permits:
Plan Check and Inspection services are calculated on a fee for service basis.
Each type of transaction has been assigned a charge based on the estimated time required for the service.
If Plan Check/Inspection services exceeded the assigned hours, additional charges will accrue in 1 hour increments. These additional charges will be billed to the Responsible Party.

For Payments:

200 North Main Street, Room 1700
Los Angeles, CA 90012
Phone: (213) 978-3700
Email: lafd.usttestnotify@lacity.org

Last Payment: **Fund 100 Dept #38 RevS. 3897**

Check No: CC

Check Date: 5/26/2022

Amount Paid: $7,014.00

Signature: _____

LOS ANGELES FIRE DEPARTMENT
Email: lafdustplancheck@lacity.org
Application for Division 5 Permit — Atmospheric Underground Tank

Fire Department Use Only

CERS ID:	LAFD Unified Program Facility ID:	Permit No.	Fire Station #	Date Granted (The work must start within 6 mos.)
	Enforcement Inspector	Permit Type:		**Expiration** Date: **(The work** must be completed)

LOCATION INFORMATION

Doing Business As (DBA): Aragon (Sunset/Everett) Properties Corp. **EPA ID No.** CAC003174277

Address: *Number Dir. Street Name St., Ave., Blvd., etc.* 1185 Sunset Boulevard **Phone No.:** (310) 871-0727

City: Los Angeles **State:** CA **Zip:** 90026

PROPERTY OWNER

Name: Aragon (Sunset/Everett) Properties Corp. **Phone Number:** (310) 871-0727

Address: 590 Rosecrans Ave. Suite D-303 **Email:** rbeilfuss@aragon.ca

City: Manhattan Beach **State:** CA **Zip:** 90266

Print Name: Russell Beilfuss **Signature:** Russell Beilfuss

LESSEE/FACILITY OWNER

Name: Aragon (Sunset/Everett) Properties Corp. **Phone Number:** (310) 871-0727

Address: 590 Rosecrans Ave. Suite D-303 **Email:** rbeilfuss@aragon.ca

City: Manhattan Beach **State:** CA **Zip:** 90266

Print Name: Russel Beilfuss **Signature:** Russell Beilfuss

CONTRACTOR INFORMATION

Company Name: Integrated Demolition and Remediation, Inc. **Phone Number:** (714) 321-3732

Address: 4938 E La Palma Ave **Email:** nick@idrdemo.com

City: Anaheim **State:** CA **Zip:** 92807

City Business Number: 0002921760-0001-6 **State Contractors Number:** 1003504 **Work Comp Number:** 100000463800

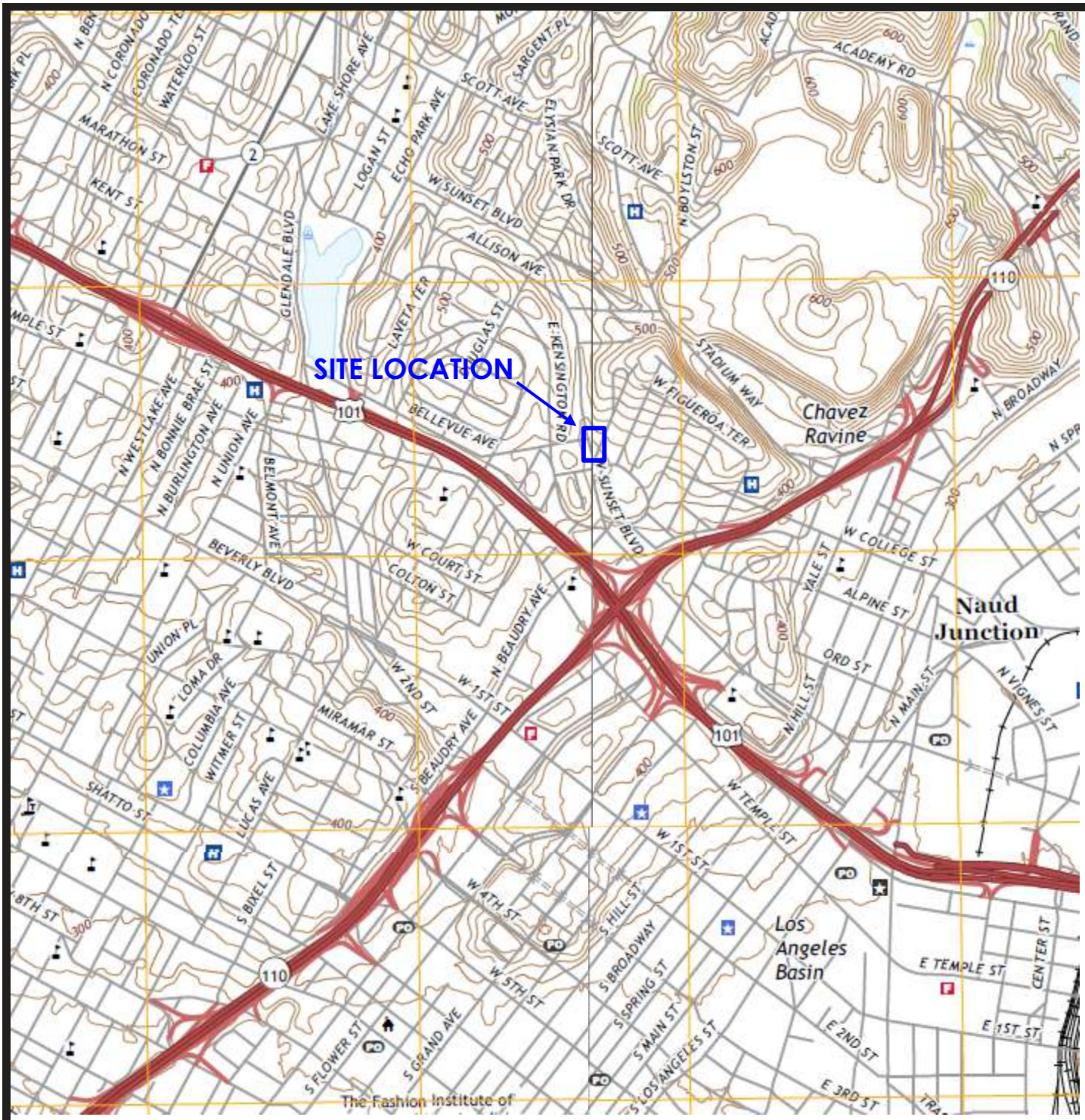
Print Name: Nick Vora **Signature:** S.Vora **Title:** President

ITEM	PE	QTY	NOTES:
☐ **UST(s) Installation**	**5100**		
☐ **UST(s) Abandonment by Removal**	**5201**	5	four 500-gal UST, one 150-gal UST. Contents
☐ **UST(s) Abandonment-In-Place**	**5200**		of each are unknown.
☐ **UST(s) Tank Entry / Lining / Repair**	**5301**		
☐ **UST(s) Add to / Alter: Monitor / Piping / Disp.**	**5300**		
☐ **Site Assessment**	**5400**		
☐ **Emergency Plan Check / Site Assessment**	**5401**		

Please indicate payment method by checking appropriate box: **Credit Card** ☑ **Check** ☐

CREDIT/DEBIT CARD PAYMENT SERVICE FEE ADVISORY:

EFFECTIVE JULY 1, 2020, CREDIT OR DEBIT CARD PAYMENTS ARE SUBJECT TO A NON- REFUNDABLE 2.70% SERVICE FEE WHICH WILL BE COLLECTED AND PROCESSED AS A SEPARATE TRANSACTION BY OUR THIRD PARTY PAYMENT PROCESSOR, ELAVON INC. THIS RATE IS SUBJECT TO CHANGE BASED ON CREDIT/DEBIT INTERCHANGE RATE.



Source: USGS, Hollywood Quadranales, 7.5 Minute Series (2018)

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 1

PROJECT NO.: 0942.1020.0

DATE: MAY 12, 2022

SITE LOCATION MAP

CITY OF LOS ANGELES
Office of Finance
P.O. Box 53200
Los Angeles CA 90053-0200

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**********ALL FOR AADC 928 69
INTEGRATED DEMOLITION AND REMEDIATION INC. 16617
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

THIS CERTIFICATE MUST BE POSTED AT PLACE OF BUSINESS

CITY OF LOS ANGELES TAX REGISTRATION CERTIFICATE

THIS CERTIFICATE IS GOOD UNTIL SUSPENDED OR CANCELLED

BUSINESS TAX ISSUED: 5/13/2019

ACCOUNT NO.	FUND/CLASS	DESCRIPTION	STARTED	STATUS
0002921760-0001-6	L188	Contractor	8/1/2016	Active

INTEGRATED DEMOLITION AND REMEDIATION INC
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

ISSUED TO

4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

**ISSUED FOR TAX COMPLIANCE PURPOSES ONLY
NOT A LICENSE, PERMIT, OR LAND USE AUTHORIZATION**

"No registration certificate or permit issued under the provisions of the Business Tax ordinances of the LAMC, or the payment of any tax required under the provisions of the Business Tax ordinances of the LAMC shall be construed as authorizing the conduct or continuance of any illegal business or of a legal business in an illegal manner."

ISSUED BY:
Clare Bartels
DIRECTOR OF FINANCE

NOTIFY THE OFFICE OF FINANCE IN WRITING OF ANY CHANGE IN OWNERSHIP OR ADDRESS - Office of Finance, P.O. Box 53200, Los Angeles CA 90053-0200
IMPORTANT - READ REVERSE SIDE

FORM 2000 (Rev. 11/15)

(http://[illegible]e.lacity.org/)

Annual Business Taxes

Renewal Confirmation

This is a confirmation receipt for your submitted renewal. Please print and keep this receipt for your records.

Transaction Information:

Your Renewal was submitted and received on 01/28/2022.
The confirmation number for this transaction is **F0002921760000162022**

Your on-line payment for $399.40 was submitted and received.

The payment reference number is 2226575200

PAID
JAN 28 2022
By: DB PW ACH

Based on the information that you have submitted thus far, the following are your identified taxable business activities.

Note: The issuance of a Tax Registration Certificate and the payment of the business tax do not authorize the conduct or continuance of any illegal business or of a legal business in an illegal manner within the City of Los Angeles. The City has enacted regulatory ordinances in areas such as zoning, building safety, police, fire, hazardous material disclosure, sanitation, health, etc., which must be complied with in order to lawfully conduct a business within the City. Failure to comply with these regulatory ordinances may result in legal action being taken against the taxpayer.

Legal Name: INTEGRATED DEMOLITION AND REMEDIATION INC.

Account Number: 000292176000016

Business Location: 4938 E LA PALMA AVENUE
ANAHEIM, CA 92807-1912

Taxable Activities:

Business Activity	Basis for Tax
Contractor(L188)	300000

CA STATE FEE (SB 1186)	$4.00
Total Amount Due: **(Total tax due, including any interest and penalties for late payment.** **If total amount due is zero then no tax is due.)**	► **$399.40**

Six (6) digit Primary/Principal Business or Professional Activity Code Number as reported on your Federal tax return: Refer to the instructions with your Federal tax return to determine this code. (Copies of Form 1040 Schedule C instructions are available on-line at www.irs.ustreas.gov (http://www.irs.ustreas.gov) under Forms and Publications.) Note: If your business was newly established in 2021 and you have not yet filed a Federal Tax Return, you may leave this line blank.	None
Six (6) digit Primary/Principal Business or Professional Activity Code for any secondary business activity that comprises at least $1,000,000 and 40% of your gross receipts:	None

Please provide us with additional information below:

Is this business Female Owned? ○ **Yes** ○ **No**

- A Female-Owned Business is defined as a business with at least 51% owned by one or more women.

Is this business Minority Owned? ○ **Yes** ○ **No**

- A business is minority owned if it is at least 51% or more owned by an ethnic minority. An ethnic minority is an individual of African-American, Hispanic American, Native American, Asian American, Pacific Islander, Asian Indian American origin or heritage.

Is the aggregate cost of your business personal property $100,000 or more? ○ **Yes** ○ **No**

- Each year the Los Angeles County Assessor is responsible for the assessment of business personal property for property tax purposes. Examples of business personal property are machinery, equipment, furniture, computers, tools and supplies, etc. Business inventory is exempt and not subject to property tax. A business property statement, Form 571-L, is required to be filed if the aggregate cost of your taxable personal property is $100,000 or more on January 1 of each year, or if the Assessor requests you to file a statement. To learn more about Los Angeles County business personal property tax, visit the Assessor's website (https://assessor.lacounty.gov/)

CITY OF LOS ANGELES
OFFICE OF FINANCE
P.O. BOX 53200
LOS ANGELES, CA 90053-0200

los angeles office of finance

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
LOS ANGELES, CA
PERMIT NO. 12932

Account No: 0002921760-0001-6
Location: 4938 E LA PALMA AVE 92807

PAID
JAN 28 2022
By: DB PWACH

RETURN SERVICE REQUESTED
36915 **********AUTO**ALL FOR AADC 928 50
INTEGRATED DEMOLITION AND REMEDIATION INC.
4938 E LA PALMA AVE
ANAHEIM CA 92807-1912

2022 City of Los Angeles Business Tax Renewal

Thank you for filing your 2021 Business Tax Renewal online! We encourage you to continue using our **E-Filing System for your 2022 renewal**. Please note that this postcard is your only official reminder concerning your 2022 renewal requirement for the account shown on the front of this card.

Visit finance.lacity.org/renewal, enter a few details and the system automatically calculates your business tax liability, if any. To access E-Filing, you can use either your **account number, your Social Security Number, or your Federal Employer Identification Number**. If a tax liability is due you can pay online via e-check, credit card (a service fee will apply), or by ACH (required if your tax liability is $50,000 or more).

Business tax renewals are due on January 1, 2022 and delinquent if submitted after **February 28, 2022**. **Even if no tax is due, you must submit a completed renewal.** For more information, please visit our website at finance.lacity.org or contact us at (844) 663-4411.

California Assembly Bill 1379 – As required by State Law, a $4.00 fee must be paid for each year that you report a tax liability to the City. The $4.00 fee will **not** apply to any year in which you are exempt from a tax liability. For more information visit: finance.lacity.org/AB1379

As many business owners have been affected as a result of the COVID-19 pandemic, the City of Los Angeles along with other entities have enacted programs that may assist businesses during this time. Please visit our website at https://finance.lacity.org/blog/covid-19-business-resources for a list of organizations and websites that provide information regarding assistance. For updates from the Mayor's office please visit corona-virus.la.

PLEASE DO NOT REPORT TO OUR PUBLIC COUNTERS

CONTRACTORS STATE LICENSE BOARD

Contractor's License Detail for License # 1003504

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- CSLB complaint disclosure is restricted by law (B&P 7124.6) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click here for a definition of disclosable actions.
- Only construction related civil judgments reported to CSLB are disclosed (B&P 7071.17).
- Arbitrations are not listed unless the contractor fails to comply with the terms.
- Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 5/27/2022 2:12:27 PM

Business Information

INTEGRATED DEMOLITION AND REMEDIATION INCORPORATED
4938 E LA PALMA AVENUE
ANAHEIM, CA 92807
Business Phone Number:(714) 340-3333

Entity Corporation
Issue Date 05/11/2015
Expire Date **05/31/2023**

License Status

This license is current and active.

All information below should be reviewed.

Classifications

- B - GENERAL BUILDING
- C21 - BUILDING MOVING, DEMOLITION
- C22 - ASBESTOS ABATEMENT (Check DOSH Asbestos Registration)
- A - GENERAL ENGINEERING

Certifications

- HAZ - HAZARDOUS SUBSTANCES REMOVAL

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with AMERICAN CONTRACTORS INDEMNITY COMPANY.
Bond Number: 100275146
Bond Amount: $15,000
Effective Date: 01/01/2016
Contractor's Bond History

Bond of Qualifying Individual

- This license filed Bond of Qualifying Individual number **100345334** for JOSE RAMON SANCHEZ in the amount of **$12,500** with AMERICAN CONTRACTORS INDEMNITY COMPANY.
  Effective Date: 04/17/2017
- The qualifying individual SHRENIK VORA certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.
  Effective Date: 07/27/2016
  BQI's Bond History

Workers' Compensation

This license has workers compensation insurance with the STARR INDEMNITY & LIABILITY COMPANY

Policy Number:100000463801
Effective Date: 05/21/2022
Expire Date: 05/21/2023
Workers' Compensation History

Miscellaneous Information

- 04/13/2016 - DOSH REGISTRATION VERIFIED FOR C22
- 04/14/2016 - C22 NOT VALID 04/04/16 TO 04/13/16
- 04/21/2017 - DOSH REGISTRATION VERIFIED FOR C22

Other

- Personnel listed on this license (current or disassociated) are listed on other licenses.

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/21/2023 | 5/20/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Insurance Brokers,LLC CA License #0F15767 777 S. Figueroa Street, 52nd fl. Los Angeles CA 90017 213-689-0065	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
INSURED 1479555 Integrated Demolition & Remediation, Inc. 4938 E La Palma Ave Anaheim CA 92807	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** Starr Surplus Lines Insurance Company — 13604 **INSURER B :** Travelers Property Casualty Co of America — 25674 **INSURER C :** Allied World National Assurance Company — 10690 **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES INTDE01 **CERTIFICATE NUMBER:** 18556945 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [X] OCCUR X Ded: $10,000 GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER:	N	N	1000067641221	5/21/2022	5/21/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 3,000,000 $ 100,000 $ 25,000 $ 1,000,000 $ 6,000,000 $ 3,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY	N	N	1000638121221	5/21/2022	5/21/2023	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
A	[ ] **UMBRELLA LIAB** [X] OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE DED [ ] RETENTION $	N	N	1000337817221	5/21/2022	5/21/2023	EACH OCCURRENCE AGGREGATE 	$ 10,000,000 $ 10,000,000 $ XXXXXXX
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	N	100 0004638 01	5/21/2022	5/21/2023	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C B A A	2nd XS Liab. L/R Equip. Prof. Liab. Poll. Liab.	N	N	0311-8604 QT-630-1S70782A-TIL-22 1000067641211 1000067641221	5/21/2022 5/21/2022 5/21/2022 5/21/2022	5/21/2023 5/21/2023 5/21/2023 5/21/2023	$10M occ./$10M agg. Limit: $1M $1M each claim/$2M agg. $1M occ./$2M agg.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

18556945
Evidence of Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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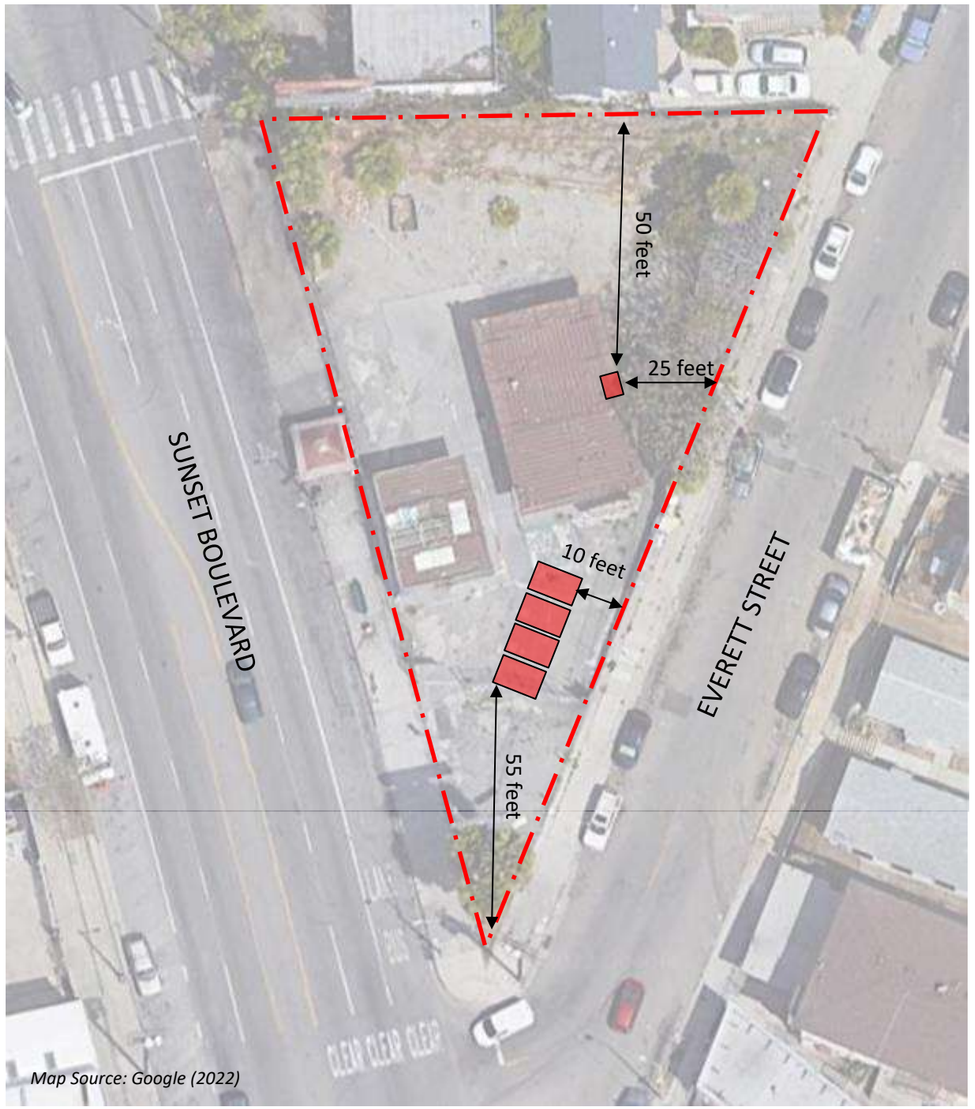
Site Plan and Vicinity Map



Scope of Work: Abandon by removal five (5) underground storage tanks (UST). A Site Plan and Vicinity Map is provided at left. A detailed Scope of Work for the abandonment by removal is outlined below:

1. Four 500-gallon capacity fuel USTs and one 150-gallon capacity waste oil UST from historical gasoline station operations are buried at the site. Access to the fuel USTs is via a surface access port that is presently sealed with asphalt. An access port for the waste oil UST is not observable due to the presence of trash and debris. Citadel believes the USTs to be buried approximately two to our feet underground and are of single-walled steel construction. The fuel USTs are assumed to be of approximately 6 feet in length and 48 inches in diameter. The waste oil UST is assumed to be approximately 4 feet in length and 30 inches in diameter. The contents of each UST is unknown.
2. Prior to beginning work, a Health and Safety Plan (HASP) will be prepared and implemented.
3. All tank identifications shall remain on the tank. Do not remove the Underwriter's Laboratory tag or any other identification from the tank. The Division 5 Permit number and "LAFD" will be painted on the side of the UST.
4. A combustible gas indicator (properly calibrated) will be on the job site during the entire operation.
5. During soil disturbance and removal processes, Citadel will monitor air emissions at 15-minute intervals using a direct reading portable photo-ionizing detector (PID), or equivalent, and record the measurements.
6. Prior to excavation, place a minimum of 20 pounds of dry ice per 1,000 gallons capacity into each tank at least TWO HOURS PRIOR to any further work being performed. All excavated soil (from the unearthing of the UST) must be retained on site and covered until determination of contamination and disposal has been made. Soil may be removed only with approval from the LAFD Inspector.
7. No cutting torch, open flame, or spark-producing equipment shall be used on the tank or piping. Electric lines, piping, and other tank apparatus shall be isolated or disconnected. All piping shall be left intact until the tank is exposed and ready to be removed.
8. Check the tank for an explosive atmosphere utilizing a combustible gas indicator. Air purging of the tank shall be initiated whenever the atmosphere inside the tank is above 20 percent of the lower explosive limit (LEL).
9. If the tank is not empty, remove residual product with a vacuum truck using a high-pressure water rinse with a minimum 2,000 psi, and detergent (if necessary). All interior rinse water and sludge shall be manifested and transported to a licensed hazardous waste disposal site or licensed TSDF by a licensed hazardous waste transporter and a copy of the manifest will be supplied to the LAFD inspector.
10. A certified Industrial Hygienist or Marine Chemist will certify that the tank is clean and supply a copy of the certification to the LAFD Inspector.
11. Lift the tank from the excavation and inspect for signs of leakage then secure it on an appropriate transport vehicle with its openings at the top. The UST shall be removed intact and not punctured or crushed on-site. The licensed transporter shall transport the tank to a licensed recycler or waste disposal site, subject to all applicable government regulations.
12. The LAFD Inspector witnessing the abandonment shall be given a copy of the transport manifest, and shall be given the address as to where the tank will be transported.
13. Soil samples shall be obtained from beneath the tank, piping, and spoils pile at the direction of the LAFD Inspector. Soil sampling shall be performed by a Professional Geologist, or a trained technician deemed qualified to take soil samples if they have a letter in their possession certifying their training and experience in taking soil samples and are under the supervision of the Professional Geologist.
14. Soil samples will be analyzed for the full range of total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015M, benzene, toluene, ethylbenzene, and xylene (BTEX), oxygenates and naphthalene by EPA Method 8260B. Additional analyses may be required per the LAFD inspector.

Facility Owner:
Aragon (Sunset/Everett) Properties Corporation

EPA ID #:
CAC003174277

Prepared by:
Citadel Professional Geologist Scott Grasse, California PG #9878;
sgrasse@citadelehs.com

Permit Approval

SUBJECT TO FIELD INSPECTION
Approval of these plans and/or specifications does not exempt them from compliance with all pertinent sections of Municipal, State, or Federal code, law, or regulation
APPROVED
Jerry Kao
LOS ANGELES FIRE DEPARTMENT CUPA
UNDERGROUND STORAGE TANK PLAN CHECK

APPROVED SR0034881
By Jerry Kao at 2:19 pm, May 27, 2022

APPROVAL / ACCEPTANCE
The following systems have been inspected and approved/accepted by the LAFD CUPA

	INSPECTOR SIGNATURE	PRINT NAME	DATE
Primary Containment System			
Secondary Containment System			
Monitoring System			
Other			

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026

Figure 2 – Cover Page

PROJECT NO.: 0942.1020.0
DATE: MAY 12, 2022

Division 5 Permit Application

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ENVIRONMENTAL SERVICES, INC.
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Appendix B
LAFD UST Soil Report Requirements

UST SOIL REPORT REQUIREMENTS

A complete soil report is due 30 days from the date of soil sampling

EMAIL COMPLETED SOIL REPORT TO:
lafd.usttestnotify@lacity.org

INSPECTOR	PERMIT #	FACILITY ID	DATE
Barry Belknap	SR0034881	CAC003174	8/30/22

FACILITY ADDRESS	COMMENTS
1185 Sunset Boulevard	Removal of five USTs

The soil report should follow the Los Angeles Fire Department's General Report submittal guidelines. To assist you, the guidelines are available at **http://www.lafd.org/sites/default/files/pdf_files/fpb41_tank_aband.pdf.**

The following documentation shall be included as part of your report:

- A copy of the Los Angeles Fire Department Division 5-Permit
- Marine Chemist Certificate
- Copy of the Hazardous Waste Manifest for Disposal of Tank's Rinsate
- Certificate of Tank Disposal/Destruction and associated piping
- Soil manifest for soil removed from the site
- Scaled plot plan, clearly illustrating the location and depth of all the samples collected
- All analytical results should be presented in milligram per kilogram (mg/kg)
- All names in the chain of custody must be legible
- A copy of this page
- ***If soil analysis results exceed the LAFD Minimum Action Levels, include an Unauthorized Release Report (URR) with your soil report***

ANALYTICAL REQUIREMENTS				
Group A Gasoline	**Group-B** Diesel	Analytical Method	Required MDL's (ug/kg)	LAFD Minimum Action Levels mg/kg
Analyte	Analyte			
TPHg		Cal-LUFT GC/FID or GC/MS (8015 M)	100-200	100
	TPHd	Cal-LUFT GC/FID (8015 M)	1000	100
BTEX	BTEX	EPA Method 8260B (8021B)	1	Benzene –1, TEX-50
MTBE	MTBE	EPA Method 8260B	2	>MDL's
DIPE	DIPE	EPA Method 8260B	2	1
ETBE	ETBE	EPA Method 8260B	2	1
TAME	TAME	EPA Method 8260B	2	1
TBA	TBA	EPA Method 8260B	20	20
Ethanol		Cal-LUFT GC/FID (EPA 8260B)	500	100
Group-C	Waste Oil Tank (or UNKNOWN Tank): Test for TPH, carbon chain using Cal-Luft GC/FID or GC/MS, BTEX, Oxygenates, and VOCs, using EPA Method 8260B			

*In every group include Naphthalene as part of the test.
*If tanks historically or currently contain Methanol or Ethanol, test for those compounds.
*Soil samples shall be prepared using EPA Method 5035 for all VOC's and TPHg.
*Soil gas can be used as an alternative sampling method

LOCATION	GROUP	SAMPLES	LOCATION	GROUP	SAMPLES
Tank 1	-	-	Dispenser (TPHg)		
Tank 2	A	2	Dispenser (TPHd)		
Tank 3	A	2	Piping		
Tank 4	A	2	Water samples		
Tank 5	C	2	Stockpiles	C	3
Tank 6	C	2	Other		

Select one or more from groups A through C

UST SOIL REPORT REQUIREMENTS

1.0 Cover Letter/Introduction/Table of Contents

2.0 Site Identification
- 2.1 Current owner/s
- 2.2 Current business activities
- 2.3 Spill, leak, and accident history
- 2.4 Number, capacity, and contents of tanks and other components

3.0 Background and Summary
- 3.1 Site description
- 3.2 Previous investigation
- 3.3 Wet ink signature
- 3.4 Geologist Seal with I.D number and expire date (stamp)
- 3.5 Name and address of individual that produced the report

NOTE: All reports must include the wet-ink signature and seal of one of the following licensed professionals: Professional Civil Engineer (PE), Professional Geologist (PG), Certified Engineering Geologist (CEG), Certified Hydrogeologist (CHG), Professional Petroleum Engineer (PPE)

4.0 Geology and Hydrology
- 4.1 Geology
- 4.2 Hydrology

5.0 Tank Removal Activities, Procedures, On-site Inspection
- 5.1 Tank Removal/or abandonment in place activities
- 5.2 Clarifier Removal/associated with a UST **only**
- 5.3 Dispenser Replacement/Upgrade activities
- 5.4 Piping Replacement/Upgrade activities
- 5.5 Laboratory Analyses and Chain-of –Custody
- 5.6 Condition of tanks and pit upon removal
- 5.7 Date of removal activities & sampling protocols
- 5.8 Name & address of Removal Company

6.0 Soil Disposal Operations/Contaminated soil

7.0 AQMD Rule 1166 Air Monitoring

8.0 Recommendations/Conclusion

9.0 List of Figures/Maps
- 9.1 Site Location Map with cross streets
- 9.2 Site Plan (soil sample locations)

10.0 List of Tables
- 10.1 Soil analytical Laboratory Results per LAFD guidelines
- 10.2 Indicate which analytical method and detection limit used
- 10.3 Report all “non-detect” (ND) with < numerical MDL value (not just the ND without the detection limit value)

11.0 List of Appendices
- 11.1 Copy of the LAFD Div-5 Permit
- 11.2 UST Certification for Removal
- 11.3 Tank Rinsate Disposal Manifest
- 11.4 Analytical Results with chain of custody
- 11.5 Soil Disposal Manifest
- 11.6 AQMD Rule 1166 Field Monitoring Data Sheets
- 11.7 Tank disposal manifest/with facility address
- 11.8 UST Soil Report Requirements

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Appendix C
Laboratory Reports and Chain of Custody Records

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464925
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	464925 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
CLARIFIER1	464925-001	06/27/22 11:53	Miscell. (Oily Sludge)

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 464925 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one oily sludge sample, requested for the above referenced project on 06/27/22. The sample was received intact.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 292101; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- CLARIFIER1 (lab # 464925-001) was diluted due to foaming.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- CLARIFIER1 (lab # 464925-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD for batch 292010; the parent sample was not a project sample. High recoveries were observed for vanadium; the associated RPD was within limits. High RPD was observed for antimony.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464925

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	CLARIFIER 1	6-27-22	1153	S	4oz		X	X	X	X	PLEASE ADD NAPHTALENE AND OXYGENATES TO VOC ANALYSIS.
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1350
[1] Received By:			EA	6-27-22 1552
[2] Relinquished By:				
[2] Received By:		Celena Silvestri	EA	6/27/22 6.S. 6/28/22
[3] Relinquished By:				
[3] Received By:				

23/24.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS

Project: Limited Phase II SI

Date Received: 6/27/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yeena Schlegel Date: 6/27/22

ENTHALPY ANALYTICAL

Analysis Results for 464925

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 464925
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: CLARIFIER1 **Lab ID: 464925-001** **Collected: 06/27/22 11:53**
Matrix: Miscell.

464925-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**46**		mg/Kg	5.6	3.0	1.9	292010	06/28/22	06/29/22	KLN
Arsenic	**3.0**		mg/Kg	1.9	1.2	1.9	292010	06/28/22	06/29/22	KLN
Barium	**790**		mg/Kg	1.9	0.19	1.9	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	0.93	0.20	1.9	292010	06/28/22	06/29/22	KLN
Cadmium	**1.2**		mg/Kg	0.93	0.14	1.9	292010	06/28/22	06/29/22	KLN
Chromium	**36**		mg/Kg	1.9	0.39	1.9	292010	06/28/22	06/29/22	KLN
Cobalt	**5.8**		mg/Kg	0.93	0.13	1.9	292010	06/28/22	06/29/22	KLN
Copper	**820**		mg/Kg	1.9	1.1	1.9	292010	06/28/22	06/29/22	KLN
Lead	**62**		mg/Kg	1.9	1.6	1.9	292010	06/28/22	06/29/22	KLN
Molybdenum	**19**		mg/Kg	1.9	1.1	1.9	292010	06/28/22	06/29/22	KLN
Nickel	**75**		mg/Kg	1.9	0.48	1.9	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	5.6	0.74	1.9	292010	06/28/22	06/29/22	KLN
Silver	**0.77**	J	mg/Kg	0.93	0.30	1.9	292010	06/28/22	06/29/22	KLN
Thallium	**4.1**	J	mg/Kg	5.6	1.1	1.9	292010	06/28/22	06/29/22	KLN
Vanadium	**17**		mg/Kg	1.9	0.80	1.9	292010	06/28/22	06/29/22	KLN
Zinc	**880**		mg/Kg	9.3	1.4	1.9	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.074**	J	mg/Kg	0.16	0.046	1.2	292037	06/28/22	06/28/22	ECM
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	ND		mg/Kg	200	49	20	292101	06/29/22	06/29/22	TJW
DRO C10-C28	**560**		mg/Kg	200	49	20	292101	06/29/22	06/29/22	TJW
ORO C28-C44	**910**		mg/Kg	400	49	20	292101	06/29/22	06/29/22	TJW
Surrogates				**Limits**						
n-Triacontane	114%		%REC	70-130		20	292101	06/29/22	06/29/22	TJW
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	4,900	1,000	98	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	4,900	3,200	98	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	4,900	810	98	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	4,900	3,200	98	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	4,900	3,600	98	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	4,900	1,700	98	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	4,900	960	98	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464925

464925-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1262	ND		ug/Kg	4,900	450	98	292053	06/28/22	07/07/22	TRN
Aroclor-1268	ND		ug/Kg	4,900	1,800	98	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	70%		%REC	19-121		98	292053	06/28/22	07/07/22	TRN
Method: EPA 8260B Prep Method: METHOD										
3-Chloropropene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,200	2500	292638	07/07/22	07/11/22	ILK
Isopropyl Ether (DIPE)	ND		ug/Kg	13,000	3,300	2500	292638	07/07/22	07/11/22	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	13,000	3,800	2500	292638	07/07/22	07/11/22	ILK
tert-Butyl Alcohol (TBA)	ND		ug/Kg	25,000	22,000	2500	292638	07/07/22	07/11/22	ILK
Freon 12	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Chloromethane	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Vinyl Chloride	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Bromomethane	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Chloroethane	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Trichlorofluoromethane	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Acetone	ND		ug/Kg	250,000	27,000	2500	292638	07/07/22	07/11/22	ILK
Freon 113	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethene	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Methylene Chloride	ND		ug/Kg	13,000	4,600	2500	292638	07/07/22	07/11/22	ILK
MTBE	ND		ug/Kg	13,000	3,500	2500	292638	07/07/22	07/11/22	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethane	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
2-Butanone	ND		ug/Kg	250,000	22,000	2500	292638	07/07/22	07/11/22	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
2,2-Dichloropropane	ND		ug/Kg	13,000	1,400	2500	292638	07/07/22	07/11/22	ILK
Chloroform	ND		ug/Kg	13,000	10,000	2500	292638	07/07/22	07/11/22	ILK
Bromochloromethane	ND		ug/Kg	13,000	4,500	2500	292638	07/07/22	07/11/22	ILK
1,1,1-Trichloroethane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloropropene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
Carbon Tetrachloride	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane	ND		ug/Kg	13,000	4,000	2500	292638	07/07/22	07/11/22	ILK
Benzene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Trichloroethene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloropropane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Bromodichloromethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Dibromomethane	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	13,000	6,800	2500	292638	07/07/22	07/11/22	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Toluene	**2,900**	J	ug/Kg	13,000	2,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1,2-Trichloroethane	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichloropropane	ND		ug/Kg	13,000	3,100	2500	292638	07/07/22	07/11/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464925

464925-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Dibromochloromethane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromoethane	ND		ug/Kg	13,000	3,200	2500	292638	07/07/22	07/11/22	ILK
Chlorobenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Ethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
m,p-Xylenes	ND		ug/Kg	25,000	4,300	2500	292638	07/07/22	07/11/22	ILK
o-Xylene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Styrene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Bromoform	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Isopropylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichloropropane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Propylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
Bromobenzene	ND		ug/Kg	13,000	2,300	2500	292638	07/07/22	07/11/22	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
2-Chlorotoluene	ND		ug/Kg	13,000	1,600	2500	292638	07/07/22	07/11/22	ILK
4-Chlorotoluene	ND		ug/Kg	13,000	1,500	2500	292638	07/07/22	07/11/22	ILK
tert-Butylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
sec-Butylbenzene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
para-Isopropyl Toluene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,4-Dichlorobenzene	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
n-Butylbenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichlorobenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Hexachlorobutadiene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Naphthalene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
Xylene (total)	ND		ug/Kg	13,000		2500	292638	07/07/22	07/11/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-145	5,000	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane-d4	85%		%REC	70-145	8,900	2500	292638	07/07/22	07/11/22	ILK
Toluene-d8	99%		%REC	70-145	4,800	2500	292638	07/07/22	07/11/22	ILK
Bromofluorobenzene	94%		%REC	70-145		2500	292638	07/07/22	07/11/22	ILK

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997459**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.6	06/28/22	06/29/22
Arsenic	ND		mg/Kg	1.0	0.67	06/28/22	06/29/22
Barium	ND		mg/Kg	1.0	0.10	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.50	0.11	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.50	0.075	06/28/22	06/29/22
Chromium	ND		mg/Kg	1.0	0.21	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.50	0.068	06/28/22	06/29/22
Copper	ND		mg/Kg	1.0	0.60	06/28/22	06/29/22
Lead	ND		mg/Kg	1.0	0.84	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	1.0	0.59	06/28/22	06/29/22
Nickel	ND		mg/Kg	1.0	0.26	06/28/22	06/29/22
Selenium	ND		mg/Kg	3.0	0.40	06/28/22	06/29/22
Silver	ND		mg/Kg	0.50	0.16	06/28/22	06/29/22
Thallium	ND		mg/Kg	3.0	0.58	06/28/22	06/29/22
Vanadium	ND		mg/Kg	1.0	0.43	06/28/22	06/29/22
Zinc	ND		mg/Kg	5.0	0.75	06/28/22	06/29/22

Type: Lab Control Sample	**Lab ID: QC997460**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	105.1	100.0	mg/Kg	105%		80-120
Arsenic	106.5	100.0	mg/Kg	106%		80-120
Barium	107.1	100.0	mg/Kg	107%		80-120
Beryllium	111.7	100.0	mg/Kg	112%		80-120
Cadmium	105.0	100.0	mg/Kg	105%		80-120
Chromium	105.2	100.0	mg/Kg	105%		80-120
Cobalt	109.4	100.0	mg/Kg	109%		80-120
Copper	105.5	100.0	mg/Kg	105%		80-120
Lead	109.0	100.0	mg/Kg	109%		80-120
Molybdenum	107.2	100.0	mg/Kg	107%		80-120
Nickel	109.3	100.0	mg/Kg	109%		80-120
Selenium	93.35	100.0	mg/Kg	93%		80-120
Silver	53.50	50.00	mg/Kg	107%		80-120
Thallium	107.3	100.0	mg/Kg	107%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	107.3	100.0	mg/Kg	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC997461	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.84	ND	93.46	mg/Kg	22%	*	75-125	0.93
Arsenic	104.5	8.454	93.46	mg/Kg	103%		75-125	0.93
Barium	188.0	99.37	93.46	mg/Kg	95%		75-125	0.93
Beryllium	97.61	0.1191	93.46	mg/Kg	104%		75-125	0.93
Cadmium	98.49	5.773	93.46	mg/Kg	99%		75-125	0.93
Chromium	129.0	31.43	93.46	mg/Kg	104%		75-125	0.93
Cobalt	93.43	6.169	93.46	mg/Kg	93%		75-125	0.93
Copper	109.2	16.85	93.46	mg/Kg	99%		75-125	0.93
Lead	92.20	2.640	93.46	mg/Kg	96%		75-125	0.93
Molybdenum	95.01	7.478	93.46	mg/Kg	94%		75-125	0.93
Nickel	119.4	36.08	93.46	mg/Kg	89%		75-125	0.93
Selenium	84.89	0.7817	93.46	mg/Kg	90%		75-125	0.93
Silver	47.17	ND	46.73	mg/Kg	101%		75-125	0.93
Thallium	94.12	ND	93.46	mg/Kg	101%		75-125	0.93
Vanadium	182.3	64.71	93.46	mg/Kg	126%	*	75-125	0.93
Zinc	154.4	64.79	93.46	mg/Kg	96%		75-125	0.93

Type:	Matrix Spike Duplicate	Lab ID:	QC997462	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.44	ND	90.91	mg/Kg	42%	*	75-125	62*	41	0.91
Arsenic	102.5	8.454	90.91	mg/Kg	103%		75-125	1	35	0.91
Barium	198.6	99.37	90.91	mg/Kg	109%		75-125	7	20	0.91
Beryllium	94.80	0.1191	90.91	mg/Kg	104%		75-125	0	20	0.91
Cadmium	98.13	5.773	90.91	mg/Kg	102%		75-125	2	20	0.91
Chromium	127.8	31.43	90.91	mg/Kg	106%		75-125	1	20	0.91
Cobalt	90.69	6.169	90.91	mg/Kg	93%		75-125	0	20	0.91
Copper	106.7	16.85	90.91	mg/Kg	99%		75-125	0	20	0.91
Lead	90.27	2.640	90.91	mg/Kg	96%		75-125	1	20	0.91
Molybdenum	97.33	7.478	90.91	mg/Kg	99%		75-125	5	20	0.91
Nickel	114.3	36.08	90.91	mg/Kg	86%		75-125	2	20	0.91
Selenium	83.17	0.7817	90.91	mg/Kg	91%		75-125	1	20	0.91
Silver	46.45	ND	45.45	mg/Kg	102%		75-125	1	20	0.91
Thallium	91.07	ND	90.91	mg/Kg	100%		75-125	1	20	0.91
Vanadium	183.1	64.71	90.91	mg/Kg	130%	*	75-125	2	20	0.91
Zinc	149.9	64.79	90.91	mg/Kg	94%		75-125	1	20	0.91

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC997558	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997558 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.039	06/28/22	06/28/22

Type: Lab Control Sample	Lab ID: QC997559	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997559 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7525	0.8333	mg/Kg	90%		80-120

Type: Matrix Spike	Lab ID: QC997560	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8170	0.04292	0.8475	mg/Kg	91%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC997561	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9248	0.04292	0.9615	mg/Kg	92%		75-125	0	20	1.2

Type: Blank	Lab ID: QC997725	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997725 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	200	48	06/29/22	06/29/22
DRO C10-C28	ND		mg/Kg	200	48	06/29/22	06/29/22
ORO C28-C44	70	J	mg/Kg	400	48	06/29/22	06/29/22
Surrogates				**Limits**			
n-Triacontane	113%		%REC	70-130		06/29/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997726	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	4,074	5000	mg/Kg	81%		76-122
Surrogates						
n-Triacontane	216.9	200.0	mg/Kg	108%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC997727**	**Batch:**	**292101**
Matrix:	**Miscell.**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580**

QC997727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	4,148	5000	mg/Kg	83%		76-122	2	20
Surrogates								
n-Triacontane	213.0	200.0	mg/Kg	106%		70-130		

Type:	**Blank**	**Lab ID:**	**QC997568**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC997568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	500	110	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	500	320	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	500	83	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	500	330	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	500	370	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	500	170	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	500	98	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	500	46	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	500	180	06/28/22	07/07/22
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	67%		%REC	19-121		06/28/22	07/07/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC999116**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3,267	5000	ug/Kg	65%		14-150
Aroclor-1260	3,472	5000	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	263.6	500.0	ug/Kg	53%		19-121

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC999117**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3,703	5000	ug/Kg	74%		14-150	13	20
Aroclor-1260	4,105	5000	ug/Kg	82%		10-150	17	20
Surrogates								
Decachlorobiphenyl (PCB)	338.6	500.0	ug/Kg	68%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999449	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	8.8	07/07/22	07/11/22
Freon 12	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Acetone	ND		ug/Kg	100	25	07/07/22	07/11/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	100	3.2	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.9	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	10	0.8	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	5.0		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		07/07/22	07/11/22
1,2-Dichloroethane-d4	90%		%REC	70-145		07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/11/22
Bromofluorobenzene	90%		%REC	70-145		07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC999450	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.81	50.00	ug/Kg	88%		70-131
MTBE	38.86	50.00	ug/Kg	78%		69-130
Benzene	44.21	50.00	ug/Kg	88%		70-130
Trichloroethene	47.94	50.00	ug/Kg	96%		70-130
Toluene	44.78	50.00	ug/Kg	90%		70-130
Chlorobenzene	46.20	50.00	ug/Kg	92%		70-130
Surrogates						
Dibromofluoromethane	53.55	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	43.44	50.00	ug/Kg	87%		70-145
Toluene-d8	48.56	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	47.74	50.00	ug/Kg	95%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC999451	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.67	50.00	ug/Kg	89%		70-131	2	33
MTBE	42.01	50.00	ug/Kg	84%		69-130	8	30
Benzene	45.64	50.00	ug/Kg	91%		70-130	3	30
Trichloroethene	48.39	50.00	ug/Kg	97%		70-130	1	30
Toluene	45.24	50.00	ug/Kg	90%		70-130	1	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.54	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	43.32	50.00	ug/Kg	87%		70-145		
Toluene-d8	49.30	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	47.95	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999452	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	47	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	110	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	100	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	500	440	07/07/22	07/11/22
Freon 12	ND		ug/Kg	250	57	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	250	34	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	250	41	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	250	48	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	250	20	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/11/22
Acetone	ND		ug/Kg	5,000	530	07/07/22	07/11/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	250	91	07/07/22	07/11/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	5,000	430	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/11/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/11/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	250	140	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/11/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	500	86	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/11/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/11/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	250		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130	100	07/07/22	07/11/22
1,2-Dichloroethane-d4	89%		%REC	70-145	180	07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145	96	07/07/22	07/11/22
Bromofluorobenzene	92%		%REC	70-145		07/07/22	07/11/22

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465697
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	465697 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
CLARIFIER1	465697-001	06/27/22 11:53	Miscell.

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 465697 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one miscell. sample, requested for the above referenced project on 07/13/22. The sample was received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464925

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	CLARIFIER 1	6-27-22	1153	S	4oz		X	X	X	X	PLEASE ADD NAPHTALENE AND OXYGENATES TO VOC ANALYSIS.
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1350
[1] Received By:			EA	6-27-22 1552
[2] Relinquished By:				
[2] Received By:		Celena Silvestri	EA	6/27/22 6.S. 6/28/22
[3] Relinquished By:				
[3] Received By:				

23/24.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS

Project: Limited Phase II SI

Date Received: 6/27/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Yeena Schlegel Date: 6/27/22

Jim Lin

From: Scott Grasse <SGrasse@citadelehs.com> on behalf of Scott Grasse
Sent: Wednesday, July 13, 2022 10:10 AM
To: Jim.lin@enthalpy.com
Subject: [EXTERNAL] RE: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464925)

Jim,

Please proceed with the following additional analyses for the Clarifier1 Sample:

STLC Copper
STLC Lead

Scott Grasse, PG, MSc
Project Geologist
CITADEL EHS
assess • resolve • strengthen
Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
www.CitadelEHS.com
Glendale | Irvine | Valencia | Long Beach | Oakland | San Diego

The information in this email message may be privileged, confidential, and protected from disclosure or use, dissemination, distribution, or copying of the message or any attachment is strictly prohibited. If you think that you have received this email in error, please notify the sender.

From: Jim Lin <Jim.lin@enthalpy.com>
Sent: Tuesday, July 12, 2022 10:48 AM
To: Scott Grasse <SGrasse@citadelehs.com>
Subject: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464925)

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Scott,

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Please find attached the following files:
• PDF Deliverable
• Standard Pivot Table EDD (464925.xls)

Email was also sent to: jim.lin@enthalpy.com

Jim Lin
Service Center Manager

931 W. Barkley Ave., Orange, CA 92868
O: 714-771-6900 M: 818-319-2359
Jim.Lin@enthalpy.com

To help protect the air we breathe, the water we drink, and the soil that feeds us.

Please take a moment to provide customer feedback
Terms and Conditions & Enthalpy Sample Acceptance Policy
https://enthalpy.com/news-events/

ENTHALPY ANALYTICAL

Analysis Results for 465697

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 465697
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: CLARIFIER1 **Lab ID: 465697-001** **Collected: 06/27/22 11:53**
Matrix: WET Leachate

465697-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Copper	**0.13**	J	mg/L	0.30	0.080	10	293199	07/18/22	07/19/22	KLN
Lead	ND		mg/L	0.15	0.070	10	293199	07/18/22	07/19/22	KLN

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1001168**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001168 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Copper	ND		mg/L	0.30	0.080	07/18/22	07/19/22
Lead	ND		mg/L	0.15	0.070	07/18/22	07/19/22

Type: Lab Control Sample	**Lab ID: QC1001169**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Copper	4.116	4.000	mg/L	103%		80-120
Lead	3.968	4.000	mg/L	99%		80-120

Type: Lab Control Sample Duplicate	**Lab ID: QC1001170**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001170 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Copper	4.177	4.000	mg/L	104%		80-120	1	20
Lead	4.102	4.000	mg/L	103%		80-120	3	20

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464924
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606		Lab Job #: Location: Date Received:	464924 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
SUMP 1	464924-001	06/27/22 11:40	Miscell. (Oily Sludge)

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 464924 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one oily sludge sample, requested for the above referenced project on 06/27/22. The sample was received intact.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 292101; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- SUMP 1 (lab # 464924-001) was diluted due to foaming.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- SUMP 1 (lab # 464924-001) was diluted due to the viscous nature of the sample extract.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD for batch 292010; the parent sample was not a project sample. High recoveries were observed for vanadium; the associated RPD was within limits. High RPD was observed for antimony.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464924

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	SUMP 1	6-27-22	1140	S	4oz		X	X	X	X	PLEASE ADD NAPTHALENE AND OXYGENATES TO VOC ANALYSIS
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1550
[1] Received By:			FEDEX	6/27/22 1556
[2] Relinquished By:				
[2] Received By:		Edeno Sylvestre	EA	6/27/22 1 6/28/22
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS Project: Limited Phase II SI

Date Received: 6/27/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Olena Sobolenko Date: 6/27/22

ENTHALPY ANALYTICAL

Analysis Results for 464924

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 464924
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: SUMP 1 **Lab ID: 464924-001** **Collected: 06/27/22 11:40**
Matrix: Miscell.

464924-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**47**		mg/Kg	6.0	3.2	2	292010	06/28/22	06/29/22	KLN
Arsenic	**4.3**		mg/Kg	2.0	1.3	2	292010	06/28/22	06/29/22	KLN
Barium	**970**		mg/Kg	2.0	0.20	2	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	1.0	0.22	2	292010	06/28/22	06/29/22	KLN
Cadmium	**1.5**		mg/Kg	1.0	0.15	2	292010	06/28/22	06/29/22	KLN
Chromium	**50**		mg/Kg	2.0	0.42	2	292010	06/28/22	06/29/22	KLN
Cobalt	**6.5**		mg/Kg	1.0	0.14	2	292010	06/28/22	06/29/22	KLN
Copper	**1,100**		mg/Kg	2.0	1.2	2	292010	06/28/22	06/29/22	KLN
Lead	**92**		mg/Kg	2.0	1.7	2	292010	06/28/22	06/29/22	KLN
Molybdenum	**22**		mg/Kg	2.0	1.2	2	292010	06/28/22	06/29/22	KLN
Nickel	**69**		mg/Kg	2.0	0.52	2	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	6.0	0.80	2	292010	06/28/22	06/29/22	KLN
Silver	**2.8**		mg/Kg	1.0	0.32	2	292010	06/28/22	06/29/22	KLN
Thallium	ND		mg/Kg	6.0	1.3	2	292010	06/28/22	07/05/22	KLN
Vanadium	**19**		mg/Kg	2.0	0.86	2	292010	06/28/22	06/29/22	KLN
Zinc	**1,100**		mg/Kg	10	1.5	2	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.079**	J	mg/Kg	0.17	0.047	1.2	292037	06/28/22	06/28/22	ECM
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	**300**	J	mg/Kg	400	97	40	292101	06/29/22	06/29/22	TJW
DRO C10-C28	**4,800**		mg/Kg	400	97	40	292101	06/29/22	06/29/22	TJW
ORO C28-C44	**4,600**		mg/Kg	800	97	40	292101	06/29/22	06/29/22	TJW
Surrogates				**Limits**						
n-Triacontane	113%		%REC	70-130		40	292101	06/29/22	06/29/22	TJW
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	5,100	1,100	100	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	5,100	3,300	100	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	5,100	840	100	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	5,100	3,400	100	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	5,100	3,800	100	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	5,100	1,800	100	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	5,100	1,000	100	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464924

464924-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1262	ND		ug/Kg	5,100	470	100	292053	06/28/22	07/07/22	TRN
Aroclor-1268	ND		ug/Kg	5,100	1,900	100	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	68%		%REC	19-121		100	292053	06/28/22	07/07/22	TRN
Method: EPA 8260B Prep Method: METHOD										
3-Chloropropene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
cis-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,4-Dichloro-2-butene	ND		ug/Kg	13,000	5,200	2500	292638	07/07/22	07/11/22	ILK
Isopropyl Ether (DIPE)	ND		ug/Kg	13,000	3,300	2500	292638	07/07/22	07/11/22	ILK
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	13,000	3,800	2500	292638	07/07/22	07/11/22	ILK
tert-Butyl Alcohol (TBA)	ND		ug/Kg	25,000	22,000	2500	292638	07/07/22	07/11/22	ILK
Freon 12	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Chloromethane	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Vinyl Chloride	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Bromomethane	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Chloroethane	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Trichlorofluoromethane	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Acetone	ND		ug/Kg	250,000	27,000	2500	292638	07/07/22	07/11/22	ILK
Freon 113	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethene	ND		ug/Kg	13,000	1,000	2500	292638	07/07/22	07/11/22	ILK
Methylene Chloride	ND		ug/Kg	13,000	4,600	2500	292638	07/07/22	07/11/22	ILK
MTBE	ND		ug/Kg	13,000	3,500	2500	292638	07/07/22	07/11/22	ILK
trans-1,2-Dichloroethene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloroethane	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
2-Butanone	ND		ug/Kg	250,000	22,000	2500	292638	07/07/22	07/11/22	ILK
cis-1,2-Dichloroethene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
2,2-Dichloropropane	ND		ug/Kg	13,000	1,400	2500	292638	07/07/22	07/11/22	ILK
Chloroform	ND		ug/Kg	13,000	10,000	2500	292638	07/07/22	07/11/22	ILK
Bromochloromethane	ND		ug/Kg	13,000	4,500	2500	292638	07/07/22	07/11/22	ILK
1,1,1-Trichloroethane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1-Dichloropropene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
Carbon Tetrachloride	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane	ND		ug/Kg	13,000	4,000	2500	292638	07/07/22	07/11/22	ILK
Benzene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Trichloroethene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloropropane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
Bromodichloromethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Dibromomethane	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
4-Methyl-2-Pentanone	ND		ug/Kg	13,000	6,800	2500	292638	07/07/22	07/11/22	ILK
cis-1,3-Dichloropropene	ND		ug/Kg	13,000	1,200	2500	292638	07/07/22	07/11/22	ILK
Toluene	ND		ug/Kg	13,000	2,600	2500	292638	07/07/22	07/11/22	ILK
trans-1,3-Dichloropropene	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
1,1,2-Trichloroethane	ND		ug/Kg	13,000	3,400	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichloropropane	ND		ug/Kg	13,000	3,100	2500	292638	07/07/22	07/11/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464924

464924-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Tetrachloroethene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Dibromochloromethane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromoethane	ND		ug/Kg	13,000	3,200	2500	292638	07/07/22	07/11/22	ILK
Chlorobenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,1,1,2-Tetrachloroethane	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Ethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
m,p-Xylenes	ND		ug/Kg	25,000	4,300	2500	292638	07/07/22	07/11/22	ILK
o-Xylene	ND		ug/Kg	13,000	2,400	2500	292638	07/07/22	07/11/22	ILK
Styrene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Bromoform	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
Isopropylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichloropropane	ND		ug/Kg	13,000	2,000	2500	292638	07/07/22	07/11/22	ILK
Propylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
Bromobenzene	ND		ug/Kg	13,000	2,300	2500	292638	07/07/22	07/11/22	ILK
1,3,5-Trimethylbenzene	ND		ug/Kg	13,000	2,100	2500	292638	07/07/22	07/11/22	ILK
2-Chlorotoluene	ND		ug/Kg	13,000	1,600	2500	292638	07/07/22	07/11/22	ILK
4-Chlorotoluene	ND		ug/Kg	13,000	1,500	2500	292638	07/07/22	07/11/22	ILK
tert-Butylbenzene	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trimethylbenzene	ND		ug/Kg	13,000	2,800	2500	292638	07/07/22	07/11/22	ILK
sec-Butylbenzene	ND		ug/Kg	13,000	1,900	2500	292638	07/07/22	07/11/22	ILK
para-Isopropyl Toluene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,3-Dichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
1,4-Dichlorobenzene	ND		ug/Kg	13,000	2,700	2500	292638	07/07/22	07/11/22	ILK
n-Butylbenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichlorobenzene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	13,000	1,800	2500	292638	07/07/22	07/11/22	ILK
1,2,4-Trichlorobenzene	ND		ug/Kg	13,000	1,700	2500	292638	07/07/22	07/11/22	ILK
Hexachlorobutadiene	ND		ug/Kg	13,000	2,500	2500	292638	07/07/22	07/11/22	ILK
Naphthalene	ND		ug/Kg	13,000	2,900	2500	292638	07/07/22	07/11/22	ILK
1,2,3-Trichlorobenzene	ND		ug/Kg	13,000	2,200	2500	292638	07/07/22	07/11/22	ILK
Xylene (total)	ND		ug/Kg	13,000		2500	292638	07/07/22	07/11/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	96%		%REC	70-145	5,000	2500	292638	07/07/22	07/11/22	ILK
1,2-Dichloroethane-d4	85%		%REC	70-145	8,900	2500	292638	07/07/22	07/11/22	ILK
Toluene-d8	97%		%REC	70-145	4,800	2500	292638	07/07/22	07/11/22	ILK
Bromofluorobenzene	93%		%REC	70-145		2500	292638	07/07/22	07/11/22	ILK

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997459**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.6	06/28/22	06/29/22
Arsenic	ND		mg/Kg	1.0	0.67	06/28/22	06/29/22
Barium	ND		mg/Kg	1.0	0.10	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.50	0.11	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.50	0.075	06/28/22	06/29/22
Chromium	ND		mg/Kg	1.0	0.21	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.50	0.068	06/28/22	06/29/22
Copper	ND		mg/Kg	1.0	0.60	06/28/22	06/29/22
Lead	ND		mg/Kg	1.0	0.84	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	1.0	0.59	06/28/22	06/29/22
Nickel	ND		mg/Kg	1.0	0.26	06/28/22	06/29/22
Selenium	ND		mg/Kg	3.0	0.40	06/28/22	06/29/22
Silver	ND		mg/Kg	0.50	0.16	06/28/22	06/29/22
Thallium	ND		mg/Kg	3.0	0.58	06/28/22	06/29/22
Vanadium	ND		mg/Kg	1.0	0.43	06/28/22	06/29/22
Zinc	ND		mg/Kg	5.0	0.75	06/28/22	06/29/22

Type: Lab Control Sample	**Lab ID: QC997460**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	105.1	100.0	mg/Kg	105%		80-120
Arsenic	106.5	100.0	mg/Kg	106%		80-120
Barium	107.1	100.0	mg/Kg	107%		80-120
Beryllium	111.7	100.0	mg/Kg	112%		80-120
Cadmium	105.0	100.0	mg/Kg	105%		80-120
Chromium	105.2	100.0	mg/Kg	105%		80-120
Cobalt	109.4	100.0	mg/Kg	109%		80-120
Copper	105.5	100.0	mg/Kg	105%		80-120
Lead	109.0	100.0	mg/Kg	109%		80-120
Molybdenum	107.2	100.0	mg/Kg	107%		80-120
Nickel	109.3	100.0	mg/Kg	109%		80-120
Selenium	93.35	100.0	mg/Kg	93%		80-120
Silver	53.50	50.00	mg/Kg	107%		80-120
Thallium	107.3	100.0	mg/Kg	107%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	107.3	100.0	mg/Kg	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC997461	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.84	ND	93.46	mg/Kg	22%	*	75-125	0.93
Arsenic	104.5	8.454	93.46	mg/Kg	103%		75-125	0.93
Barium	188.0	99.37	93.46	mg/Kg	95%		75-125	0.93
Beryllium	97.61	0.1191	93.46	mg/Kg	104%		75-125	0.93
Cadmium	98.49	5.773	93.46	mg/Kg	99%		75-125	0.93
Chromium	129.0	31.43	93.46	mg/Kg	104%		75-125	0.93
Cobalt	93.43	6.169	93.46	mg/Kg	93%		75-125	0.93
Copper	109.2	16.85	93.46	mg/Kg	99%		75-125	0.93
Lead	92.20	2.640	93.46	mg/Kg	96%		75-125	0.93
Molybdenum	95.01	7.478	93.46	mg/Kg	94%		75-125	0.93
Nickel	119.4	36.08	93.46	mg/Kg	89%		75-125	0.93
Selenium	84.89	0.7817	93.46	mg/Kg	90%		75-125	0.93
Silver	47.17	ND	46.73	mg/Kg	101%		75-125	0.93
Thallium	94.12	ND	93.46	mg/Kg	101%		75-125	0.93
Vanadium	182.3	64.71	93.46	mg/Kg	126%	*	75-125	0.93
Zinc	154.4	64.79	93.46	mg/Kg	96%		75-125	0.93

Type:	Matrix Spike Duplicate	Lab ID:	QC997462	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.44	ND	90.91	mg/Kg	42%	*	75-125	62*	41	0.91
Arsenic	102.5	8.454	90.91	mg/Kg	103%		75-125	1	35	0.91
Barium	198.6	99.37	90.91	mg/Kg	109%		75-125	7	20	0.91
Beryllium	94.80	0.1191	90.91	mg/Kg	104%		75-125	0	20	0.91
Cadmium	98.13	5.773	90.91	mg/Kg	102%		75-125	2	20	0.91
Chromium	127.8	31.43	90.91	mg/Kg	106%		75-125	1	20	0.91
Cobalt	90.69	6.169	90.91	mg/Kg	93%		75-125	0	20	0.91
Copper	106.7	16.85	90.91	mg/Kg	99%		75-125	0	20	0.91
Lead	90.27	2.640	90.91	mg/Kg	96%		75-125	1	20	0.91
Molybdenum	97.33	7.478	90.91	mg/Kg	99%		75-125	5	20	0.91
Nickel	114.3	36.08	90.91	mg/Kg	86%		75-125	2	20	0.91
Selenium	83.17	0.7817	90.91	mg/Kg	91%		75-125	1	20	0.91
Silver	46.45	ND	45.45	mg/Kg	102%		75-125	1	20	0.91
Thallium	91.07	ND	90.91	mg/Kg	100%		75-125	1	20	0.91
Vanadium	183.1	64.71	90.91	mg/Kg	130%	*	75-125	2	20	0.91
Zinc	149.9	64.79	90.91	mg/Kg	94%		75-125	1	20	0.91

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC997558	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997558 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.039	06/28/22	06/28/22

Type: Lab Control Sample	Lab ID: QC997559	Batch: 292037
Matrix: Miscell.	Method: EPA 7471A	Prep Method: METHOD

QC997559 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.7525	0.8333	mg/Kg	90%		80-120

Type: Matrix Spike	Lab ID: QC997560	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8170	0.04292	0.8475	mg/Kg	91%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC997561	Batch: 292037
Matrix (Source ID): Soil (464759-001)	Method: EPA 7471A	Prep Method: METHOD

QC997561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9248	0.04292	0.9615	mg/Kg	92%		75-125	0	20	1.2

Type: Blank	Lab ID: QC997725	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997725 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	200	48	06/29/22	06/29/22
DRO C10-C28	ND		mg/Kg	200	48	06/29/22	06/29/22
ORO C28-C44	70	J	mg/Kg	400	48	06/29/22	06/29/22
Surrogates				**Limits**			
n-Triacontane	113%		%REC	70-130		06/29/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997726	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	4,074	5000	mg/Kg	81%		76-122
Surrogates						
n-Triacontane	216.9	200.0	mg/Kg	108%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	**Lab ID:** QC997727	**Batch:** 292101
Matrix: Miscell.	**Method:** EPA 8015M	**Prep Method:** EPA 3580

QC997727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	4,148	5000	mg/Kg	83%		76-122	2	20
Surrogates								
n-Triacontane	213.0	200.0	mg/Kg	106%		70-130		

Type: Blank	**Lab ID:** QC997568	**Batch:** 292053
Matrix: Miscell.	**Method:** EPA 8082	**Prep Method:** EPA 3580

QC997568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	500	110	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	500	320	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	500	83	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	500	330	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	500	370	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	500	170	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	500	98	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	500	46	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	500	180	06/28/22	07/07/22
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	67%		%REC	19-121		06/28/22	07/07/22

Type: Lab Control Sample	**Lab ID:** QC999116	**Batch:** 292053
Matrix: Miscell.	**Method:** EPA 8082	**Prep Method:** EPA 3580

QC999116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3,267	5000	ug/Kg	65%		14-150
Aroclor-1260	3,472	5000	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	263.6	500.0	ug/Kg	53%		19-121

Type: Lab Control Sample Duplicate	**Lab ID:** QC999117	**Batch:** 292053
Matrix: Miscell.	**Method:** EPA 8082	**Prep Method:** EPA 3580

QC999117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3,703	5000	ug/Kg	74%		14-150	13	20
Aroclor-1260	4,105	5000	ug/Kg	82%		10-150	17	20
Surrogates								
Decachlorobiphenyl (PCB)	338.6	500.0	ug/Kg	68%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999449	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	10	8.8	07/07/22	07/11/22
Freon 12	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Acetone	ND		ug/Kg	100	25	07/07/22	07/11/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	100	3.2	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.9	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	10	0.8	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	5.0		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		07/07/22	07/11/22
1,2-Dichloroethane-d4	90%		%REC	70-145		07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/11/22
Bromofluorobenzene	90%		%REC	70-145		07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC999450	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.81	50.00	ug/Kg	88%		70-131
MTBE	38.86	50.00	ug/Kg	78%		69-130
Benzene	44.21	50.00	ug/Kg	88%		70-130
Trichloroethene	47.94	50.00	ug/Kg	96%		70-130
Toluene	44.78	50.00	ug/Kg	90%		70-130
Chlorobenzene	46.20	50.00	ug/Kg	92%		70-130
Surrogates						
Dibromofluoromethane	53.55	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	43.44	50.00	ug/Kg	87%		70-145
Toluene-d8	48.56	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	47.74	50.00	ug/Kg	95%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC999451	Batch: 292638
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC999451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.67	50.00	ug/Kg	89%		70-131	2	33
MTBE	42.01	50.00	ug/Kg	84%		69-130	8	30
Benzene	45.64	50.00	ug/Kg	91%		70-130	3	30
Trichloroethene	48.39	50.00	ug/Kg	97%		70-130	1	30
Toluene	45.24	50.00	ug/Kg	90%		70-130	1	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.54	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	43.32	50.00	ug/Kg	87%		70-145		
Toluene-d8	49.30	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	47.95	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999452	**Batch:** 292638	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	47	07/07/22	07/11/22
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	110	07/07/22	07/11/22
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	100	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	500	440	07/07/22	07/11/22
Freon 12	ND		ug/Kg	250	57	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	250	34	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	250	41	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	250	48	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	250	20	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/11/22
Acetone	ND		ug/Kg	5,000	530	07/07/22	07/11/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	250	91	07/07/22	07/11/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	5,000	430	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/11/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/11/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	250	140	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/11/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/11/22
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	500	86	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/11/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/11/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/11/22
Xylene (total)	ND		ug/Kg	250		07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130	100	07/07/22	07/11/22
1,2-Dichloroethane-d4	89%		%REC	70-145	180	07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145	96	07/07/22	07/11/22
Bromofluorobenzene	92%		%REC	70-145		07/07/22	07/11/22

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 465693
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	465693 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
SUMP 1	465693-001	06/27/22 11:40	Miscell.

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 465693 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for one miscell. sample, requested for the above referenced project on 07/13/22. The sample was received intact.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 464924

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB's 8082	Test Instructions / Comments
1	SUMP 1	6-27-22	1140	S	4oz		X	X	X	X	PLEASE ADD NAPTHALENE AND OXYGENATES TO VOC ANALYSIS
2											
3											
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 / 1550
[1] Received By:			FEDEX	6/28/22 1556
[2] Relinquished By:				
[2] Received By:		Edeno Sylvestre	EA	6/27/22 / 6/28/22
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS Project: Limited Phase II SI

Date Received: 6/27/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Olena Sobolenko Date: 6/27/22

Jim Lin

From: Scott Grasse <SGrasse@citadelehs.com> on behalf of Scott Grasse
Sent: Wednesday, July 13, 2022 10:12 AM
To: Jim.lin@enthalpy.com
Subject: [EXTERNAL] RE: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464924)

Jim,

Please proceed with the following additional analyses for the Sump sample:

STLC Copper
STLC Lead
STLC Chromium

Scott Grasse, PG, MSc
Project Geologist
CITADEL EHS
assess • resolve • strengthen
Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
www.CitadelEHS.com
Glendale | Irvine | Valencia | Long Beach | Oakland | San Diego

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From: Jim Lin <Jim.lin@enthalpy.com>
Sent: Tuesday, July 12, 2022 10:46 AM
To: Scott Grasse <SGrasse@citadelehs.com>
Subject: Limited Phase II SI, 8205 Sepulveda Blvd., Los Angeles, CA - Enthalpy Data (464924)

CAUTION: This email originated from outside of the organization! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe!

Hi Scott,

Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in the EDD.

Please find attached the following files:
• PDF Deliverable
• Standard Pivot Table EDD (464924.xls)

Email was also sent to: jim.lin@enthalpy.com

Jim Lin
Service Center Manager

931 W. Barkley Ave., Orange, CA 92868
O: 714-771-6900 M: 818-319-2359
Jim.Lin@enthalpy.com

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https://enthalpy.com/news-events/

ENTHALPY ANALYTICAL

Analysis Results for 465693

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 465693
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: SUMP 1 **Lab ID: 465693-001** **Collected: 06/27/22 11:40**
Matrix: WET Leachate

465693-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD										
Chromium	**0.40**		mg/L	0.30	0.020	10	293199	07/18/22	07/19/22	KLN
Copper	**0.47**		mg/L	0.30	0.080	10	293199	07/18/22	07/19/22	KLN
Lead	**0.078**	J	mg/L	0.15	0.070	10	293199	07/18/22	07/19/22	KLN

J Estimated value

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1001168**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001168 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chromium	ND		mg/L	0.30	0.020	07/18/22	07/19/22
Copper	ND		mg/L	0.30	0.080	07/18/22	07/19/22
Lead	ND		mg/L	0.15	0.070	07/18/22	07/19/22

Type: Lab Control Sample	**Lab ID: QC1001169**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001169 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chromium	4.157	4.000	mg/L	104%		80-120
Copper	4.116	4.000	mg/L	103%		80-120
Lead	3.968	4.000	mg/L	99%		80-120

Type: Lab Control Sample Duplicate	**Lab ID: QC1001170**	**Batch: 293199**
Matrix: WET Leachate	**Method: EPA 6010B**	**Prep Method: METHOD**

QC1001170 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Chromium	4.223	4.000	mg/L	106%		80-120	2	20
Copper	4.177	4.000	mg/L	104%		80-120	1	20
Lead	4.102	4.000	mg/L	103%		80-120	3	20

ND Not Detected

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Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 464923
Report Level: II
Report Date: 07/27/2022

Analytical Report *prepared for:*

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA

Authorized for release by:

Jim Lin, Service Center Manager
Jim.lin@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Scott Grasse Citadel EHS 2 Peters Canyon Road Irvine, CA 92606	Lab Job #: Location: Date Received:	464923 UST Sampling, 1185 Sunset Blvd., Los Angeles, CA 06/27/22

Sample ID	Lab ID	Collected	Matrix
WOT1	464923-001	06/27/22 09:30	Oil
UST2	464923-002	06/27/22 09:58	Oil
UST3	464923-003	06/27/22 11:35	Oil
UST4	464923-004	06/27/22 10:30	Oil
DISPOSE	464923-005	06/27/22 00:00	Oil

ENTHALPY ANALYTICAL

Case Narrative

Citadel EHS 2 Peters Canyon Road Irvine, CA 92606 Scott Grasse	Lab Job Number: 464923 Location: UST Sampling, 1185 Sunset Blvd., Los Angeles, CA Date Received: 06/27/22

This data package contains sample and QC results for four oil samples, requested for the above referenced project on 06/27/22. The samples were received intact.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 292101; this analyte was not detected in samples at or above the RL.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- Response exceeding the instrument's linear range was observed for 1,2,4-trimethylbenzene in UST3 (lab # 464923-003); affected data was qualified with "E".
- No other analytical problems were encountered.

PCBs (EPA 8082):

- A number of samples were diluted due to the dark and viscous nature of the sample extracts.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD for batch 292010; the parent sample was not a project sample. High recoveries were observed for vanadium; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. High RPD was observed for antimony; this analyte was not detected at or above the RL in the associated samples.
- No other analytical problems were encountered.

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Chain of Custody Record

Lab No: 460423

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	x	5 Day:		3 Day.	
2 Day:		1 Day:		Custom TAT:	

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Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Citadel EHS	Name:	Limited Phase II SI
Report To:	Scott Grasse	Number:	
Email:	sgrasse@citadelehs.com	P.O. #:	7189.1183.0
Address:	1725 Victory Blvd	Address:	8205 Sepulveda Blvd
	Glendale, CA 91201		Los Angeles, 91402
Phone:	562-547-3061	Global ID:	
Fax:		Sampled By:	DYLAN HARRINGTON

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs 8260B + NAPHTHALENE + OXYGENATES	TPH Full Range 8015	Title 22 Metals 6010B/7471A	PCB'S 8082	Test Instructions / Comments
1	VOT1	6-27-22	0930	O	40z		X	X	X	X	PLEASE ADD NAPHTHALENE AND OXYGENATES TO VOC ANALYSIS.
2	VST2	6-27-22	0958	O	40z		X	X	X	X	
3	VST3	6-27-22	1135	O	40z		X	X	X	X	
4	VST4	6-27-22	1030	O	40z		X	X	X	X	
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		DYLAN HARRINGTON	CITADEL EHS	6-27-22 1550
1 Received By:			EA	6/27/22 1556
2 Relinquished By:				
2 Received By:			E.A.	6/27/22 6/28/22
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Citadel EHS

Project: Limited Phase II SI

Date Received: 6/27/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 24.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 23.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 6/27/22

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www.enthalpy.com/socal

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Analysis Results for 464923

Scott Grasse
Citadel EHS
2 Peters Canyon Road
Irvine, CA 92606

Lab Job #: 464923
Location: UST Sampling, 1185 Sunset Blvd.,
Los Angeles, CA
Date Received: 06/27/22

Sample ID: WOT1 **Lab ID: 464923-001** **Collected: 06/27/22 09:30**

464923-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	6.0	3.2	Oil	2	292010	06/28/22	06/29/22	KLN
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22	KLN
Barium	**16**		mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	1.0	0.22	Oil	2	292010	06/28/22	06/29/22	KLN
Cadmium	**0.16**	J	mg/Kg	1.0	0.15	Oil	2	292010	06/28/22	06/29/22	KLN
Chromium	**1.2**	J	mg/Kg	2.0	0.42	Oil	2	292010	06/28/22	06/29/22	KLN
Cobalt	ND		mg/Kg	1.0	0.14	Oil	2	292010	06/28/22	06/29/22	KLN
Copper	**7.1**		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Lead	**220**		mg/Kg	2.0	1.7	Oil	2	292010	06/28/22	06/29/22	KLN
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Nickel	ND		mg/Kg	2.0	0.52	Oil	2	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	6.0	0.80	Oil	2	292010	06/28/22	06/29/22	KLN
Silver	ND		mg/Kg	1.0	0.32	Oil	2	292010	06/28/22	06/29/22	KLN
Thallium	ND		mg/Kg	6.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Vanadium	ND		mg/Kg	2.0	0.86	Oil	2	292010	06/28/22	06/29/22	KLN
Zinc	**280**		mg/Kg	10	1.5	Oil	2	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.045	Oil	1.2	292098	06/28/22	06/29/22	ECM
Method: EPA 8015M Prep Method: EPA 3580											
GRO C8-C10	ND		mg/Kg	200	47	Miscell.	20	292101	06/29/22	06/29/22	TJW
DRO C10-C28	**470**		mg/Kg	200	47	Miscell.	20	292101	06/29/22	06/29/22	TJW
ORO C28-C44	**260**	B,J	mg/Kg	390	47	Miscell.	20	292101	06/29/22	06/29/22	TJW
Surrogates				**Limits**							
n-Triacontane	112%		%REC	70-130		Miscell.	20	292101	06/29/22	06/29/22	TJW
Method: EPA 8082 Prep Method: EPA 3580											
Aroclor-1016	ND		ug/Kg	50,000	10,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	50,000	32,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	50,000	8,200	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	50,000	33,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	50,000	37,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	50,000	17,000	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	50,000	9,700	Oil	99	292053	06/28/22	07/07/22	TRN
Aroclor-1262	ND		ug/Kg	50,000	4,500	Oil	99	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 464923

464923-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Aroclor-1268	ND		ug/Kg	50,000	18,000	Oil	99	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	99	292053	06/28/22	07/07/22	TRN
Method: EPA 8260B Prep Method: METHOD											
Freon 12	ND		ug/Kg	2,500	280	Oil	250	292638	07/07/22	07/11/22	LXR
tert-Butyl Alcohol (TBA)	ND		ug/Kg	25,000	2,200	Oil	250	292638	07/07/22	07/11/22	LXR
Chloromethane	ND		ug/Kg	2,500	170	Oil	250	292638	07/07/22	07/11/22	LXR
Isopropyl Ether (DIPE)	ND		ug/Kg	1,300	330	Oil	250	292638	07/07/22	07/11/22	LXR
Vinyl Chloride	ND		ug/Kg	2,500	200	Oil	250	292638	07/07/22	07/11/22	LXR
Bromomethane	ND		ug/Kg	2,500	240	Oil	250	292638	07/07/22	07/11/22	LXR
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	1,300	340	Oil	250	292638	07/07/22	07/11/22	LXR
Chloroethane	ND		ug/Kg	2,500	100	Oil	250	292638	07/07/22	07/11/22	LXR
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	1,300	380	Oil	250	292638	07/07/22	07/11/22	LXR
Trichlorofluoromethane	ND		ug/Kg	1,300	120	Oil	250	292638	07/07/22	07/11/22	LXR
Acetone	ND		ug/Kg	5,000	2,700	Oil	250	292638	07/07/22	07/11/22	LXR
Freon 113	ND		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
1,1-Dichloroethene	ND		ug/Kg	1,300	100	Oil	250	292638	07/07/22	07/11/22	LXR
Methylene Chloride	ND		ug/Kg	5,000	460	Oil	250	292638	07/07/22	07/11/22	LXR
Carbon Disulfide	ND		ug/Kg	1,300	110	Oil	250	292638	07/07/22	07/11/22	LXR
MTBE	ND		ug/Kg	1,300	350	Oil	250	292638	07/07/22	07/11/22	LXR
trans-1,2-Dichloroethene	ND		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
1,1-Dichloroethane	ND		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
2-Butanone	ND		ug/Kg	2,500	2,200	Oil	250	292638	07/07/22	07/11/22	LXR
cis-1,2-Dichloroethene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
2,2-Dichloropropane	ND		ug/Kg	1,300	140	Oil	250	292638	07/07/22	07/11/22	LXR
Chloroform	ND		ug/Kg	1,300	1,000	Oil	250	292638	07/07/22	07/11/22	LXR
Bromochloromethane	ND		ug/Kg	1,300	450	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,1-Trichloroethane	ND		ug/Kg	1,300	200	Oil	250	292638	07/07/22	07/11/22	LXR
1,1-Dichloropropene	ND		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
Carbon Tetrachloride	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichloroethane	ND		ug/Kg	1,300	400	Oil	250	292638	07/07/22	07/11/22	LXR
Benzene	**300**	J	ug/Kg	1,300	240	Oil	250	292638	07/07/22	07/11/22	LXR
Trichloroethene	ND		ug/Kg	1,300	290	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichloropropane	ND		ug/Kg	1,300	280	Oil	250	292638	07/07/22	07/11/22	LXR
Bromodichloromethane	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
Dibromomethane	ND		ug/Kg	1,300	290	Oil	250	292638	07/07/22	07/11/22	LXR
4-Methyl-2-Pentanone	ND		ug/Kg	2,500	680	Oil	250	292638	07/07/22	07/11/22	LXR
cis-1,3-Dichloropropene	ND		ug/Kg	1,300	120	Oil	250	292638	07/07/22	07/11/22	LXR
Toluene	**6,600**		ug/Kg	1,300	260	Oil	250	292638	07/07/22	07/11/22	LXR
trans-1,3-Dichloropropene	ND		ug/Kg	1,300	200	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,2-Trichloroethane	ND		ug/Kg	1,300	340	Oil	250	292638	07/07/22	07/11/22	LXR
2-Hexanone	ND		ug/Kg	2,500	1,100	Oil	250	292638	07/07/22	07/11/22	LXR
1,3-Dichloropropane	ND		ug/Kg	1,300	310	Oil	250	292638	07/07/22	07/11/22	LXR
Tetrachloroethene	ND		ug/Kg	1,300	170	Oil	250	292638	07/07/22	07/11/22	LXR
Dibromochloromethane	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 464923

464923-001 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dibromoethane	ND		ug/Kg	1,300	320	Oil	250	292638	07/07/22	07/11/22	LXR
Chlorobenzene	ND		ug/Kg	1,300	280	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,1,2-Tetrachloroethane	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
Ethylbenzene	**5,800**		ug/Kg	1,300	210	Oil	250	292638	07/07/22	07/11/22	LXR
m,p-Xylenes	**31,000**		ug/Kg	1,300	430	Oil	250	292638	07/07/22	07/11/22	LXR
o-Xylene	**15,000**		ug/Kg	1,300	240	Oil	250	292638	07/07/22	07/11/22	LXR
Styrene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
Bromoform	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
Isopropylbenzene	**1,200**	J	ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,1,2,2-Tetrachloroethane	ND		ug/Kg	1,300	280	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,3-Trichloropropane	ND		ug/Kg	1,300	200	Oil	250	292638	07/07/22	07/11/22	LXR
Propylbenzene	**4,900**		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
Bromobenzene	ND		ug/Kg	1,300	230	Oil	250	292638	07/07/22	07/11/22	LXR
1,3,5-Trimethylbenzene	**15,000**		ug/Kg	1,300	210	Oil	250	292638	07/07/22	07/11/22	LXR
2-Chlorotoluene	ND		ug/Kg	1,300	160	Oil	250	292638	07/07/22	07/11/22	LXR
4-Chlorotoluene	ND		ug/Kg	1,300	150	Oil	250	292638	07/07/22	07/11/22	LXR
tert-Butylbenzene	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,4-Trimethylbenzene	**55,000**		ug/Kg	2,500	560	Oil	500	292598	07/07/22	07/09/22	LXR
sec-Butylbenzene	**1,300**		ug/Kg	1,300	190	Oil	250	292638	07/07/22	07/11/22	LXR
para-Isopropyl Toluene	**1,400**		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
1,3-Dichlorobenzene	ND		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
1,4-Dichlorobenzene	ND		ug/Kg	1,300	270	Oil	250	292638	07/07/22	07/11/22	LXR
n-Butylbenzene	**2,500**		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichlorobenzene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	1,300	180	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,4-Trichlorobenzene	ND		ug/Kg	1,300	170	Oil	250	292638	07/07/22	07/11/22	LXR
Hexachlorobutadiene	ND		ug/Kg	1,300	250	Oil	250	292638	07/07/22	07/11/22	LXR
Naphthalene	**27,000**		ug/Kg	1,300	290	Oil	250	292638	07/07/22	07/11/22	LXR
1,2,3-Trichlorobenzene	ND		ug/Kg	1,300	220	Oil	250	292638	07/07/22	07/11/22	LXR
Surrogates				**Limits**							
Dibromofluoromethane	89%		%REC	70-145	500	Oil	250	292638	07/07/22	07/11/22	LXR
1,2-Dichloroethane-d4	85%		%REC	70-145	890	Oil	250	292638	07/07/22	07/11/22	LXR
Toluene-d8	98%		%REC	70-145	480	Oil	250	292638	07/07/22	07/11/22	LXR
Bromofluorobenzene	89%		%REC	70-145		Oil	250	292638	07/07/22	07/11/22	LXR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

Sample ID: UST2	Lab ID: 464923-002	Collected: 06/27/22 09:58

464923-002 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	5.9	3.1	Oil	2	292010	06/28/22	06/29/22
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22
Barium	ND		mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.98	0.22	Oil	2	292010	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.98	0.15	Oil	2	292010	06/28/22	06/29/22
Chromium	ND		mg/Kg	2.0	0.41	Oil	2	292010	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.98	0.13	Oil	2	292010	06/28/22	06/29/22
Copper	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Lead	**900**		mg/Kg	2.0	1.6	Oil	2	292010	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Nickel	ND		mg/Kg	2.0	0.51	Oil	2	292010	06/28/22	06/29/22
Selenium	ND		mg/Kg	5.9	0.78	Oil	2	292010	06/28/22	06/29/22
Silver	ND		mg/Kg	0.98	0.31	Oil	2	292010	06/28/22	06/29/22
Thallium	ND		mg/Kg	5.9	1.1	Oil	2	292010	06/28/22	06/29/22
Vanadium	ND		mg/Kg	2.0	0.84	Oil	2	292010	06/28/22	06/29/22
Zinc	**2.4**	J	mg/Kg	9.8	1.5	Oil	2	292010	06/28/22	06/29/22
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.17	0.047	Oil	1.2	292098	06/28/22	06/29/22
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	**560,000**		mg/Kg	10,000	1,600	Miscell.	1000	292101	06/29/22	07/06/22
DRO C10-C28	**350,000**		mg/Kg	10,000	1,600	Miscell.	1000	292101	06/29/22	07/06/22
ORO C28-C44	**3,800**	J	mg/Kg	20,000	1,600	Miscell.	1000	292101	06/29/22	07/06/22
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		Miscell.	1000	292101	06/29/22	07/06/22
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	50,000	10,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	50,000	32,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	50,000	8,200	Oil	99	292053	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	50,000	33,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	50,000	37,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	50,000	17,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	50,000	9,700	Oil	99	292053	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	50,000	4,500	Oil	99	292053	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	50,000	18,000	Oil	99	292053	06/28/22	07/07/22
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	99	292053	06/28/22	07/07/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-002 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 8260B Prep Method: METHOD										
Freon 12	ND		ug/Kg	10,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100,000,000	8,800,000	Oil	1000000	292480	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	10,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	10,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	10,000,000	960,000	Oil	1000000	292480	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	10,000,000	410,000	Oil	1000000	292480	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5,000,000	1,500,000	Oil	1000000	292480	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	5,000,000	470,000	Oil	1000000	292480	07/07/22	07/08/22
Acetone	ND		ug/Kg	20,000,000	11,000,000	Oil	1000000	292480	07/07/22	07/08/22
Freon 113	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	5,000,000	400,000	Oil	1000000	292480	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	20,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	5,000,000	430,000	Oil	1000000	292480	07/07/22	07/08/22
MTBE	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	5,000,000	880,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	10,000,000	8,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	5,000,000	550,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroform	ND		ug/Kg	5,000,000	4,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	5,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	5,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	5,000,000	1,600,000	Oil	1000000	292480	07/07/22	07/08/22
Benzene	**1,600,000**	J	ug/Kg	5,000,000	940,000	Oil	1000000	292480	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	10,000,000	2,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	5,000,000	490,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene	**21,000,000**		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	5,000,000	800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	10,000,000	4,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	5,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-002 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Dibromochloromethane	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Chlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Ethylbenzene	**9,000,000**		ug/Kg	5,000,000	850,000	Oil	1000000	292480	07/07/22	07/08/22
m,p-Xylenes	**36,000,000**		ug/Kg	5,000,000	1,700,000	Oil	1000000	292480	07/07/22	07/08/22
o-Xylene	**14,000,000**		ug/Kg	5,000,000	950,000	Oil	1000000	292480	07/07/22	07/08/22
Styrene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromoform	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropylbenzene	**890,000**	J	ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	5,000,000	790,000	Oil	1000000	292480	07/07/22	07/08/22
Propylbenzene	**3,900,000**	J	ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	5,000,000	910,000	Oil	1000000	292480	07/07/22	07/08/22
1,3,5-Trimethylbenzene	**7,700,000**		ug/Kg	5,000,000	830,000	Oil	1000000	292480	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	5,000,000	630,000	Oil	1000000	292480	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	5,000,000	610,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trimethylbenzene	**25,000,000**		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
sec-Butylbenzene	ND		ug/Kg	5,000,000	780,000	Oil	1000000	292480	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
n-Butylbenzene	**1,000,000**	J	ug/Kg	5,000,000	980,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	5,000,000	990,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Naphthalene	**3,300,000**	J	ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145	2,000,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane-d4	84%		%REC	70-145	3,500,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene-d8	95%		%REC	70-145	1,900,000	Oil	1000000	292480	07/07/22	07/08/22
Bromofluorobenzene	91%		%REC	70-145		Oil	1000000	292480	07/07/22	07/08/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

Sample ID: UST3	Lab ID: 464923-003	Collected: 06/27/22 11:35

464923-003 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	ND		mg/Kg	6.0	3.2	Oil	2	292010	06/28/22	06/29/22	KLN
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22	KLN
Barium	**0.90**	J	mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22	KLN
Beryllium	ND		mg/Kg	1.0	0.22	Oil	2	292010	06/28/22	06/29/22	KLN
Cadmium	**0.20**	J	mg/Kg	1.0	0.15	Oil	2	292010	06/28/22	06/29/22	KLN
Chromium	**1.4**	J	mg/Kg	2.0	0.42	Oil	2	292010	06/28/22	06/29/22	KLN
Cobalt	**0.42**	J	mg/Kg	1.0	0.14	Oil	2	292010	06/28/22	06/29/22	KLN
Copper	**4.7**		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Lead	**6.1**		mg/Kg	2.0	1.7	Oil	2	292010	06/28/22	06/29/22	KLN
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Nickel	ND		mg/Kg	2.0	0.52	Oil	2	292010	06/28/22	06/29/22	KLN
Selenium	ND		mg/Kg	6.0	0.80	Oil	2	292010	06/28/22	06/29/22	KLN
Silver	ND		mg/Kg	1.0	0.32	Oil	2	292010	06/28/22	06/29/22	KLN
Thallium	ND		mg/Kg	6.0	1.2	Oil	2	292010	06/28/22	06/29/22	KLN
Vanadium	ND		mg/Kg	2.0	0.86	Oil	2	292010	06/28/22	06/29/22	KLN
Zinc	**290**		mg/Kg	10	1.5	Oil	2	292010	06/28/22	06/29/22	KLN
Method: EPA 7471A Prep Method: METHOD											
Mercury	ND		mg/Kg	0.16	0.043	Oil	1.1	292098	06/28/22	06/29/22	ECM
Method: EPA 8015M Prep Method: EPA 3580											
GRO C8-C10	**34,000**		mg/Kg	1,000	160	Miscell.	100	292101	06/29/22	07/08/22	MES
DRO C10-C28	**32,000**		mg/Kg	1,000	160	Miscell.	100	292101	06/29/22	07/08/22	MES
ORO C28-C44	**200**	B,J	mg/Kg	2,000	160	Miscell.	100	292101	06/29/22	07/08/22	MES
Surrogates				**Limits**							
n-Triacontane	120%		%REC	70-130		Miscell.	100	292101	06/29/22	07/08/22	MES
Method: EPA 8082 Prep Method: EPA 3580											
Aroclor-1016	ND		ug/Kg	49,000	10,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1221	ND		ug/Kg	49,000	32,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1232	ND		ug/Kg	49,000	8,100	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1242	ND		ug/Kg	49,000	32,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1248	ND		ug/Kg	49,000	36,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1254	ND		ug/Kg	49,000	17,000	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1260	ND		ug/Kg	49,000	9,600	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1262	ND		ug/Kg	49,000	4,500	Oil	98	292053	06/28/22	07/07/22	TRN
Aroclor-1268	ND		ug/Kg	49,000	18,000	Oil	98	292053	06/28/22	07/07/22	TRN
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	98	292053	06/28/22	07/07/22	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-003 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: METHOD											
Freon 12	ND		ug/Kg	100,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
tert-Butyl Alcohol (TBA)	ND		ug/Kg	1,000,000	88,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Chloromethane	ND		ug/Kg	100,000	6,800	Oil	10000	292598	07/07/22	07/09/22	LXR
Isopropyl Ether (DIPE)	ND		ug/Kg	50,000	13,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Vinyl Chloride	ND		ug/Kg	100,000	8,100	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromomethane	ND		ug/Kg	100,000	9,600	Oil	10000	292598	07/07/22	07/09/22	LXR
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	50,000	14,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Chloroethane	ND		ug/Kg	100,000	4,100	Oil	10000	292598	07/07/22	07/09/22	LXR
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	50,000	15,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Trichlorofluoromethane	ND		ug/Kg	50,000	4,700	Oil	10000	292598	07/07/22	07/09/22	LXR
Acetone	ND		ug/Kg	200,000	110,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Freon 113	ND		ug/Kg	50,000	7,500	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1-Dichloroethene	ND		ug/Kg	50,000	4,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Methylene Chloride	**56,000**	J	ug/Kg	200,000	18,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Carbon Disulfide	ND		ug/Kg	50,000	4,300	Oil	10000	292598	07/07/22	07/09/22	LXR
MTBE	ND		ug/Kg	50,000	14,000	Oil	10000	292598	07/07/22	07/09/22	LXR
trans-1,2-Dichloroethene	ND		ug/Kg	50,000	8,800	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1-Dichloroethane	ND		ug/Kg	50,000	7,500	Oil	10000	292598	07/07/22	07/09/22	LXR
2-Butanone	ND		ug/Kg	100,000	87,000	Oil	10000	292598	07/07/22	07/09/22	LXR
cis-1,2-Dichloroethene	ND		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
2,2-Dichloropropane	ND		ug/Kg	50,000	5,500	Oil	10000	292598	07/07/22	07/09/22	LXR
Chloroform	ND		ug/Kg	50,000	40,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromochloromethane	ND		ug/Kg	50,000	18,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,1-Trichloroethane	ND		ug/Kg	50,000	8,100	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1-Dichloropropene	ND		ug/Kg	50,000	7,500	Oil	10000	292598	07/07/22	07/09/22	LXR
Carbon Tetrachloride	ND		ug/Kg	50,000	7,200	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichloroethane	ND		ug/Kg	50,000	16,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Benzene	ND		ug/Kg	50,000	9,400	Oil	10000	292598	07/07/22	07/09/22	LXR
Trichloroethene	ND		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichloropropane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromodichloromethane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Dibromomethane	ND		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
4-Methyl-2-Pentanone	ND		ug/Kg	100,000	27,000	Oil	10000	292598	07/07/22	07/09/22	LXR
cis-1,3-Dichloropropene	ND		ug/Kg	50,000	4,900	Oil	10000	292598	07/07/22	07/09/22	LXR
Toluene	**820,000**		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
trans-1,3-Dichloropropene	ND		ug/Kg	50,000	8,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,2-Trichloroethane	ND		ug/Kg	50,000	14,000	Oil	10000	292598	07/07/22	07/09/22	LXR
2-Hexanone	ND		ug/Kg	100,000	42,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,3-Dichloropropane	ND		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Tetrachloroethene	ND		ug/Kg	50,000	6,800	Oil	10000	292598	07/07/22	07/09/22	LXR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-003 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Dibromochloromethane	ND		ug/Kg	50,000	7,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dibromoethane	ND		ug/Kg	50,000	13,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Chlorobenzene	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,1,2-Tetrachloroethane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Ethylbenzene	**670,000**		ug/Kg	50,000	8,500	Oil	10000	292598	07/07/22	07/09/22	LXR
m,p-Xylenes	**3,200,000**		ug/Kg	50,000	17,000	Oil	10000	292598	07/07/22	07/09/22	LXR
o-Xylene	**1,300,000**		ug/Kg	50,000	9,500	Oil	10000	292598	07/07/22	07/09/22	LXR
Styrene	ND		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromoform	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Isopropylbenzene	**85,000**		ug/Kg	50,000	7,300	Oil	10000	292598	07/07/22	07/09/22	LXR
1,1,2,2-Tetrachloroethane	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,3-Trichloropropane	ND		ug/Kg	50,000	7,900	Oil	10000	292598	07/07/22	07/09/22	LXR
Propylbenzene	**350,000**		ug/Kg	50,000	7,200	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromobenzene	ND		ug/Kg	50,000	9,100	Oil	10000	292598	07/07/22	07/09/22	LXR
1,3,5-Trimethylbenzene	**870,000**		ug/Kg	50,000	8,300	Oil	10000	292598	07/07/22	07/09/22	LXR
2-Chlorotoluene	ND		ug/Kg	50,000	6,300	Oil	10000	292598	07/07/22	07/09/22	LXR
4-Chlorotoluene	ND		ug/Kg	50,000	6,100	Oil	10000	292598	07/07/22	07/09/22	LXR
tert-Butylbenzene	ND		ug/Kg	50,000	7,200	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,4-Trimethylbenzene	**3,000,000**	E	ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
sec-Butylbenzene	**51,000**		ug/Kg	50,000	7,800	Oil	10000	292598	07/07/22	07/09/22	LXR
para-Isopropyl Toluene	**29,000**	J	ug/Kg	50,000	8,900	Oil	10000	292598	07/07/22	07/09/22	LXR
1,3-Dichlorobenzene	ND		ug/Kg	50,000	8,900	Oil	10000	292598	07/07/22	07/09/22	LXR
1,4-Dichlorobenzene	ND		ug/Kg	50,000	11,000	Oil	10000	292598	07/07/22	07/09/22	LXR
n-Butylbenzene	**220,000**		ug/Kg	50,000	9,800	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichlorobenzene	ND		ug/Kg	50,000	9,900	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	50,000	7,300	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,4-Trichlorobenzene	ND		ug/Kg	50,000	7,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Hexachlorobutadiene	ND		ug/Kg	50,000	10,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Naphthalene	**580,000**		ug/Kg	50,000	12,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2,3-Trichlorobenzene	ND		ug/Kg	50,000	8,900	Oil	10000	292598	07/07/22	07/09/22	LXR
Surrogates				**Limits**							
Dibromofluoromethane	99%		%REC	70-145	20,000	Oil	10000	292598	07/07/22	07/09/22	LXR
1,2-Dichloroethane-d4	84%		%REC	70-145	35,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Toluene-d8	99%		%REC	70-145	19,000	Oil	10000	292598	07/07/22	07/09/22	LXR
Bromofluorobenzene	92%		%REC	70-145		Oil	10000	292598	07/07/22	07/09/22	LXR

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

Sample ID: UST4	Lab ID: 464923-004	Collected: 06/27/22 10:30

464923-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	6.0	3.2	Oil	2	292010	06/28/22	06/29/22
Arsenic	ND		mg/Kg	2.0	1.3	Oil	2	292010	06/28/22	06/29/22
Barium	**1.1**	J	mg/Kg	2.0	0.20	Oil	2	292010	06/28/22	06/29/22
Beryllium	ND		mg/Kg	1.0	0.22	Oil	2	292010	06/28/22	06/29/22
Cadmium	ND		mg/Kg	1.0	0.15	Oil	2	292010	06/28/22	06/29/22
Chromium	ND		mg/Kg	2.0	0.42	Oil	2	292010	06/28/22	06/29/22
Cobalt	ND		mg/Kg	1.0	0.14	Oil	2	292010	06/28/22	06/29/22
Copper	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Lead	**6.1**		mg/Kg	2.0	1.7	Oil	2	292010	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	2.0	1.2	Oil	2	292010	06/28/22	06/29/22
Nickel	ND		mg/Kg	2.0	0.52	Oil	2	292010	06/28/22	06/29/22
Selenium	ND		mg/Kg	6.0	0.80	Oil	2	292010	06/28/22	06/29/22
Silver	ND		mg/Kg	1.0	0.32	Oil	2	292010	06/28/22	06/29/22
Thallium	ND		mg/Kg	6.0	1.2	Oil	2	292010	06/28/22	06/29/22
Vanadium	ND		mg/Kg	2.0	0.86	Oil	2	292010	06/28/22	06/29/22
Zinc	**5.3**	J	mg/Kg	10	1.5	Oil	2	292010	06/28/22	06/29/22
Method: EPA 7471A Prep Method: METHOD										
Mercury	ND		mg/Kg	0.16	0.045	Oil	1.2	292098	06/28/22	06/29/22
Method: EPA 8015M Prep Method: EPA 3580										
GRO C8-C10	**710,000**		mg/Kg	9,900	1,600	Miscell.	990	292101	06/29/22	07/06/22
DRO C10-C28	**320,000**		mg/Kg	9,900	1,600	Miscell.	990	292101	06/29/22	07/06/22
ORO C28-C44	**3,700**	J	mg/Kg	20,000	1,600	Miscell.	990	292101	06/29/22	07/06/22
Surrogates				**Limits**						
n-Triacontane		DO	%REC	70-130		Miscell.	990	292101	06/29/22	07/06/22
Method: EPA 8082 Prep Method: EPA 3580										
Aroclor-1016	ND		ug/Kg	50,000	10,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	50,000	32,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	50,000	8,200	Oil	99	292053	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	50,000	33,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	50,000	37,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	50,000	17,000	Oil	99	292053	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	50,000	9,700	Oil	99	292053	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	50,000	4,500	Oil	99	292053	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	50,000	18,000	Oil	99	292053	06/28/22	07/07/22
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)		DO	%REC	19-121		Oil	99	292053	06/28/22	07/07/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Method: EPA 8260B Prep Method: METHOD										
Freon 12	ND		ug/Kg	10,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100,000,000	8,800,000	Oil	1000000	292480	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	10,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	10,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	10,000,000	960,000	Oil	1000000	292480	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	10,000,000	410,000	Oil	1000000	292480	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5,000,000	1,500,000	Oil	1000000	292480	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	5,000,000	470,000	Oil	1000000	292480	07/07/22	07/08/22
Acetone	ND		ug/Kg	20,000,000	11,000,000	Oil	1000000	292480	07/07/22	07/08/22
Freon 113	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	5,000,000	400,000	Oil	1000000	292480	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	20,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	5,000,000	430,000	Oil	1000000	292480	07/07/22	07/08/22
MTBE	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	5,000,000	880,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	10,000,000	8,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	5,000,000	550,000	Oil	1000000	292480	07/07/22	07/08/22
Chloroform	ND		ug/Kg	5,000,000	4,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	5,000,000	1,800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	5,000,000	810,000	Oil	1000000	292480	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	5,000,000	750,000	Oil	1000000	292480	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	5,000,000	1,600,000	Oil	1000000	292480	07/07/22	07/08/22
Benzene	ND		ug/Kg	5,000,000	940,000	Oil	1000000	292480	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	10,000,000	2,700,000	Oil	1000000	292480	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	5,000,000	490,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene	**32,000,000**		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	5,000,000	800,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	5,000,000	1,400,000	Oil	1000000	292480	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	10,000,000	4,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	5,000,000	680,000	Oil	1000000	292480	07/07/22	07/08/22

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 464923

464923-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed
Dibromochloromethane	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	5,000,000	1,300,000	Oil	1000000	292480	07/07/22	07/08/22
Chlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Ethylbenzene	**8,300,000**		ug/Kg	5,000,000	850,000	Oil	1000000	292480	07/07/22	07/08/22
m,p-Xylenes	**74,000,000**		ug/Kg	5,000,000	1,700,000	Oil	1000000	292480	07/07/22	07/08/22
o-Xylene	**27,000,000**		ug/Kg	5,000,000	950,000	Oil	1000000	292480	07/07/22	07/08/22
Styrene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Bromoform	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
Isopropylbenzene	**1,500,000**	J	ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	5,000,000	790,000	Oil	1000000	292480	07/07/22	07/08/22
Propylbenzene	**5,400,000**		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	5,000,000	910,000	Oil	1000000	292480	07/07/22	07/08/22
1,3,5-Trimethylbenzene	**15,000,000**		ug/Kg	5,000,000	830,000	Oil	1000000	292480	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	5,000,000	630,000	Oil	1000000	292480	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	5,000,000	610,000	Oil	1000000	292480	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	5,000,000	720,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trimethylbenzene	**44,000,000**		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
sec-Butylbenzene	**960,000**	J	ug/Kg	5,000,000	780,000	Oil	1000000	292480	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	5,000,000	1,100,000	Oil	1000000	292480	07/07/22	07/08/22
n-Butylbenzene	**2,200,000**	J	ug/Kg	5,000,000	980,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	5,000,000	990,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5,000,000	730,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5,000,000	700,000	Oil	1000000	292480	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	5,000,000	1,000,000	Oil	1000000	292480	07/07/22	07/08/22
Naphthalene	**5,700,000**		ug/Kg	5,000,000	1,200,000	Oil	1000000	292480	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5,000,000	890,000	Oil	1000000	292480	07/07/22	07/08/22
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145	2,000,000	Oil	1000000	292480	07/07/22	07/08/22
1,2-Dichloroethane-d4	86%		%REC	70-145	3,500,000	Oil	1000000	292480	07/07/22	07/08/22
Toluene-d8	100%		%REC	70-145	1,900,000	Oil	1000000	292480	07/07/22	07/08/22
Bromofluorobenzene	96%		%REC	70-145		Oil	1000000	292480	07/07/22	07/08/22

B Contamination found in associated Method Blank
DO Diluted Out
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC997459**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.6	06/28/22	06/29/22
Arsenic	ND		mg/Kg	1.0	0.67	06/28/22	06/29/22
Barium	ND		mg/Kg	1.0	0.10	06/28/22	06/29/22
Beryllium	ND		mg/Kg	0.50	0.11	06/28/22	06/29/22
Cadmium	ND		mg/Kg	0.50	0.075	06/28/22	06/29/22
Chromium	ND		mg/Kg	1.0	0.21	06/28/22	06/29/22
Cobalt	ND		mg/Kg	0.50	0.068	06/28/22	06/29/22
Copper	ND		mg/Kg	1.0	0.60	06/28/22	06/29/22
Lead	ND		mg/Kg	1.0	0.84	06/28/22	06/29/22
Molybdenum	ND		mg/Kg	1.0	0.59	06/28/22	06/29/22
Nickel	ND		mg/Kg	1.0	0.26	06/28/22	06/29/22
Selenium	ND		mg/Kg	3.0	0.40	06/28/22	06/29/22
Silver	ND		mg/Kg	0.50	0.16	06/28/22	06/29/22
Thallium	ND		mg/Kg	3.0	0.58	06/28/22	06/29/22
Vanadium	ND		mg/Kg	1.0	0.43	06/28/22	06/29/22
Zinc	ND		mg/Kg	5.0	0.75	06/28/22	06/29/22

Type: Lab Control Sample	**Lab ID: QC997460**	**Batch: 292010**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC997460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	105.1	100.0	mg/Kg	105%		80-120
Arsenic	106.5	100.0	mg/Kg	106%		80-120
Barium	107.1	100.0	mg/Kg	107%		80-120
Beryllium	111.7	100.0	mg/Kg	112%		80-120
Cadmium	105.0	100.0	mg/Kg	105%		80-120
Chromium	105.2	100.0	mg/Kg	105%		80-120
Cobalt	109.4	100.0	mg/Kg	109%		80-120
Copper	105.5	100.0	mg/Kg	105%		80-120
Lead	109.0	100.0	mg/Kg	109%		80-120
Molybdenum	107.2	100.0	mg/Kg	107%		80-120
Nickel	109.3	100.0	mg/Kg	109%		80-120
Selenium	93.35	100.0	mg/Kg	93%		80-120
Silver	53.50	50.00	mg/Kg	107%		80-120
Thallium	107.3	100.0	mg/Kg	107%		80-120
Vanadium	102.8	100.0	mg/Kg	103%		80-120
Zinc	107.3	100.0	mg/Kg	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC997461	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.84	ND	93.46	mg/Kg	22%	*	75-125	0.93
Arsenic	104.5	8.454	93.46	mg/Kg	103%		75-125	0.93
Barium	188.0	99.37	93.46	mg/Kg	95%		75-125	0.93
Beryllium	97.61	0.1191	93.46	mg/Kg	104%		75-125	0.93
Cadmium	98.49	5.773	93.46	mg/Kg	99%		75-125	0.93
Chromium	129.0	31.43	93.46	mg/Kg	104%		75-125	0.93
Cobalt	93.43	6.169	93.46	mg/Kg	93%		75-125	0.93
Copper	109.2	16.85	93.46	mg/Kg	99%		75-125	0.93
Lead	92.20	2.640	93.46	mg/Kg	96%		75-125	0.93
Molybdenum	95.01	7.478	93.46	mg/Kg	94%		75-125	0.93
Nickel	119.4	36.08	93.46	mg/Kg	89%		75-125	0.93
Selenium	84.89	0.7817	93.46	mg/Kg	90%		75-125	0.93
Silver	47.17	ND	46.73	mg/Kg	101%		75-125	0.93
Thallium	94.12	ND	93.46	mg/Kg	101%		75-125	0.93
Vanadium	182.3	64.71	93.46	mg/Kg	126%	*	75-125	0.93
Zinc	154.4	64.79	93.46	mg/Kg	96%		75-125	0.93

Type:	Matrix Spike Duplicate	Lab ID:	QC997462	Batch:	292010
Matrix (Source ID):	Soil (464919-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC997462 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	38.44	ND	90.91	mg/Kg	42%	*	75-125	62*	41	0.91
Arsenic	102.5	8.454	90.91	mg/Kg	103%		75-125	1	35	0.91
Barium	198.6	99.37	90.91	mg/Kg	109%		75-125	7	20	0.91
Beryllium	94.80	0.1191	90.91	mg/Kg	104%		75-125	0	20	0.91
Cadmium	98.13	5.773	90.91	mg/Kg	102%		75-125	2	20	0.91
Chromium	127.8	31.43	90.91	mg/Kg	106%		75-125	1	20	0.91
Cobalt	90.69	6.169	90.91	mg/Kg	93%		75-125	0	20	0.91
Copper	106.7	16.85	90.91	mg/Kg	99%		75-125	0	20	0.91
Lead	90.27	2.640	90.91	mg/Kg	96%		75-125	1	20	0.91
Molybdenum	97.33	7.478	90.91	mg/Kg	99%		75-125	5	20	0.91
Nickel	114.3	36.08	90.91	mg/Kg	86%		75-125	2	20	0.91
Selenium	83.17	0.7817	90.91	mg/Kg	91%		75-125	1	20	0.91
Silver	46.45	ND	45.45	mg/Kg	102%		75-125	1	20	0.91
Thallium	91.07	ND	90.91	mg/Kg	100%		75-125	1	20	0.91
Vanadium	183.1	64.71	90.91	mg/Kg	130%	*	75-125	2	20	0.91
Zinc	149.9	64.79	90.91	mg/Kg	94%		75-125	1	20	0.91

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC997711	Batch: 292098
Matrix: Oil	Method: EPA 7471A	Prep Method: METHOD

QC997711 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.039	06/28/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997712	Batch: 292098
Matrix: Oil	Method: EPA 7471A	Prep Method: METHOD

QC997712 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8953	0.8333	mg/Kg	107%		80-120

Type: Matrix Spike	Lab ID: QC997714	Batch: 292098
Matrix (Source ID): Soil (464862-001)	Method: EPA 7471A	Prep Method: METHOD

QC997714 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	1.783	1.073	0.8475	mg/Kg	84%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC997715	Batch: 292098
Matrix (Source ID): Soil (464862-001)	Method: EPA 7471A	Prep Method: METHOD

QC997715 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	1.974	1.073	0.9434	mg/Kg	96%		75-125	5	20	2.3

Type: Blank	Lab ID: QC997725	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997725 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	200	48	06/29/22	06/29/22
DRO C10-C28	ND		mg/Kg	200	48	06/29/22	06/29/22
ORO C28-C44	70	J	mg/Kg	400	48	06/29/22	06/29/22
Surrogates				**Limits**			
n-Triacontane	113%		%REC	70-130		06/29/22	06/29/22

Type: Lab Control Sample	Lab ID: QC997726	Batch: 292101
Matrix: Miscell.	Method: EPA 8015M	Prep Method: EPA 3580

QC997726 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	4,074	5000	mg/Kg	81%		76-122
Surrogates						
n-Triacontane	216.9	200.0	mg/Kg	108%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC997727**	**Batch:**	**292101**
Matrix:	**Miscell.**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580**

QC997727 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Diesel C10-C28	4,148	5000	mg/Kg	83%		76-122	2	20
Surrogates								
n-Triacontane	213.0	200.0	mg/Kg	106%		70-130		

Type:	**Blank**	**Lab ID:**	**QC997568**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC997568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	500	110	06/28/22	07/07/22
Aroclor-1221	ND		ug/Kg	500	320	06/28/22	07/07/22
Aroclor-1232	ND		ug/Kg	500	83	06/28/22	07/07/22
Aroclor-1242	ND		ug/Kg	500	330	06/28/22	07/07/22
Aroclor-1248	ND		ug/Kg	500	370	06/28/22	07/07/22
Aroclor-1254	ND		ug/Kg	500	170	06/28/22	07/07/22
Aroclor-1260	ND		ug/Kg	500	98	06/28/22	07/07/22
Aroclor-1262	ND		ug/Kg	500	46	06/28/22	07/07/22
Aroclor-1268	ND		ug/Kg	500	180	06/28/22	07/07/22
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	67%		%REC	19-121		06/28/22	07/07/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC999116**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999116 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	3,267	5000	ug/Kg	65%		14-150
Aroclor-1260	3,472	5000	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	263.6	500.0	ug/Kg	53%		19-121

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC999117**	**Batch:**	**292053**
Matrix:	**Miscell.**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3580**

QC999117 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	3,703	5000	ug/Kg	74%		14-150	13	20
Aroclor-1260	4,105	5000	ug/Kg	82%		10-150	17	20
Surrogates								
Decachlorobiphenyl (PCB)	338.6	500.0	ug/Kg	68%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC998915	**Batch:** 292480
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC998915 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	10	0.4	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100	8.8	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	10	0.4	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	10	0.4	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	10	0.3	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	10	0.3	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Acetone	ND		ug/Kg	25	25	07/07/22	07/08/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	20	0.7	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	5.0	0.8	07/07/22	07/08/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	10	3.2	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.9	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	10	2.2	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22

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Batch QC

QC998915 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
m,p-Xylenes	ND		ug/Kg	5.0	0.8	07/07/22	07/08/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/08/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/08/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/08/22
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130		07/07/22	07/08/22
1,2-Dichloroethane-d4	88%		%REC	70-145		07/07/22	07/08/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/08/22
Bromofluorobenzene	93%		%REC	70-145		07/07/22	07/08/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC998916	Batch: 292480
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC998916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.31	50.00	ug/Kg	93%		70-131
MTBE	41.72	50.00	ug/Kg	83%		69-130
Benzene	47.82	50.00	ug/Kg	96%		70-130
Trichloroethene	52.89	50.00	ug/Kg	106%		70-130
Toluene	48.10	50.00	ug/Kg	96%		70-130
Chlorobenzene	50.49	50.00	ug/Kg	101%		70-130
Surrogates						
Dibromofluoromethane	54.18	50.00	ug/Kg	108%		70-130
1,2-Dichloroethane-d4	43.12	50.00	ug/Kg	86%		70-145
Toluene-d8	49.14	50.00	ug/Kg	98%		70-145
Bromofluorobenzene	50.28	50.00	ug/Kg	101%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC998917	Batch: 292480
Matrix: Soil	Method: EPA 8260B	Prep Method: METHOD

QC998917 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.28	50.00	ug/Kg	89%		70-131	4	33
MTBE	40.48	50.00	ug/Kg	81%		69-130	3	30
Benzene	46.68	50.00	ug/Kg	93%		70-130	2	30
Trichloroethene	50.03	50.00	ug/Kg	100%		70-130	6	30
Toluene	46.13	50.00	ug/Kg	92%		70-130	4	30
Chlorobenzene	49.67	50.00	ug/Kg	99%		70-130	2	30
Surrogates								
Dibromofluoromethane	52.92	50.00	ug/Kg	106%		70-130		
1,2-Dichloroethane-d4	45.88	50.00	ug/Kg	92%		70-145		
Toluene-d8	48.91	50.00	ug/Kg	98%		70-145		
Bromofluorobenzene	49.04	50.00	ug/Kg	98%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC998918	**Batch:** 292480
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC998918 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	500	57	07/07/22	07/08/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	5,000	440	07/07/22	07/08/22
Chloromethane	ND		ug/Kg	500	34	07/07/22	07/08/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/08/22
Vinyl Chloride	ND		ug/Kg	500	41	07/07/22	07/08/22
Bromomethane	ND		ug/Kg	500	48	07/07/22	07/08/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/08/22
Chloroethane	ND		ug/Kg	500	20	07/07/22	07/08/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/08/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/08/22
Acetone	ND		ug/Kg	1,000	530	07/07/22	07/08/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/08/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/08/22
Methylene Chloride	ND		ug/Kg	1,000	91	07/07/22	07/08/22
Carbon Disulfide	ND		ug/Kg	250	21	07/07/22	07/08/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/08/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/08/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/08/22
2-Butanone	ND		ug/Kg	500	430	07/07/22	07/08/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/08/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/08/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/08/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/08/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/08/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/08/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/08/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/08/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/08/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/08/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/08/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/08/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/08/22
4-Methyl-2-Pentanone	ND		ug/Kg	500	140	07/07/22	07/08/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/08/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/08/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/08/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/08/22
2-Hexanone	ND		ug/Kg	500	210	07/07/22	07/08/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/08/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/08/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/08/22
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/08/22

ENTHALPY ANALYTICAL

Batch QC

QC998918 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/08/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/08/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/08/22
m,p-Xylenes	ND		ug/Kg	250	86	07/07/22	07/08/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/08/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/08/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/08/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/08/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/08/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/08/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/08/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/08/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/08/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/08/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/08/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/08/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/08/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/08/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/08/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/08/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/08/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/08/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/08/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/08/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/08/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/08/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/08/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/08/22
Surrogates				**Limits**			
Dibromofluoromethane	100%		%REC	70-130	100	07/07/22	07/08/22
1,2-Dichloroethane-d4	86%		%REC	70-145	180	07/07/22	07/08/22
Toluene-d8	96%		%REC	70-145	96	07/07/22	07/08/22
Bromofluorobenzene	93%		%REC	70-145		07/07/22	07/08/22

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999270	**Batch:** 292598
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	10	0.4	07/07/22	07/09/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100	8.8	07/07/22	07/09/22
Chloromethane	ND		ug/Kg	10	0.4	07/07/22	07/09/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Vinyl Chloride	ND		ug/Kg	10	0.4	07/07/22	07/09/22
Bromomethane	ND		ug/Kg	10	0.3	07/07/22	07/09/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Chloroethane	ND		ug/Kg	10	0.3	07/07/22	07/09/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Acetone	ND		ug/Kg	25	25	07/07/22	07/09/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/09/22
Methylene Chloride	ND		ug/Kg	20	0.7	07/07/22	07/09/22
Carbon Disulfide	ND		ug/Kg	5.0	0.8	07/07/22	07/09/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
2-Butanone	ND		ug/Kg	10	3.2	07/07/22	07/09/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/09/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.9	07/07/22	07/09/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
2-Hexanone	ND		ug/Kg	10	2.2	07/07/22	07/09/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

QC999270 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
m,p-Xylenes	ND		ug/Kg	5.0	0.8	07/07/22	07/09/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/09/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/09/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/09/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/09/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/09/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/09/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/09/22
Surrogates				**Limits**			
Dibromofluoromethane	96%		%REC	70-130		07/07/22	07/09/22
1,2-Dichloroethane-d4	87%		%REC	70-145		07/07/22	07/09/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/09/22
Bromofluorobenzene	93%		%REC	70-145		07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC999271	**Batch:** 292598
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999271 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	45.71	50.00	ug/Kg	91%		70-131
MTBE	42.00	50.00	ug/Kg	84%		69-130
Benzene	46.80	50.00	ug/Kg	94%		70-130
Trichloroethene	50.05	50.00	ug/Kg	100%		70-130
Toluene	45.78	50.00	ug/Kg	92%		70-130
Chlorobenzene	49.50	50.00	ug/Kg	99%		70-130
Surrogates						
Dibromofluoromethane	53.00	50.00	ug/Kg	106%		70-130
1,2-Dichloroethane-d4	43.74	50.00	ug/Kg	87%		70-145
Toluene-d8	48.38	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	49.03	50.00	ug/Kg	98%		70-145

Type: Lab Control Sample Duplicate	**Lab ID:** QC999272	**Batch:** 292598
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999272 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.64	50.00	ug/Kg	87%		70-131	5	33
MTBE	38.52	50.00	ug/Kg	77%		69-130	9	30
Benzene	43.61	50.00	ug/Kg	87%		70-130	7	30
Trichloroethene	47.53	50.00	ug/Kg	95%		70-130	5	30
Toluene	43.56	50.00	ug/Kg	87%		70-130	5	30
Chlorobenzene	44.96	50.00	ug/Kg	90%		70-130	10	30
Surrogates								
Dibromofluoromethane	52.08	50.00	ug/Kg	104%		70-130		
1,2-Dichloroethane-d4	44.34	50.00	ug/Kg	89%		70-145		
Toluene-d8	48.92	50.00	ug/Kg	98%		70-145		
Bromofluorobenzene	47.90	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999273	**Batch:** 292598	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD	

QC999273 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	500	57	07/07/22	07/09/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	5,000	440	07/07/22	07/09/22
Chloromethane	ND		ug/Kg	500	34	07/07/22	07/09/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/09/22
Vinyl Chloride	ND		ug/Kg	500	41	07/07/22	07/09/22
Bromomethane	ND		ug/Kg	500	48	07/07/22	07/09/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/09/22
Chloroethane	ND		ug/Kg	500	20	07/07/22	07/09/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/09/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/09/22
Acetone	ND		ug/Kg	1,000	530	07/07/22	07/09/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/09/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/09/22
Methylene Chloride	ND		ug/Kg	1,000	91	07/07/22	07/09/22
Carbon Disulfide	ND		ug/Kg	250	21	07/07/22	07/09/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/09/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/09/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/09/22
2-Butanone	ND		ug/Kg	500	430	07/07/22	07/09/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/09/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/09/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/09/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/09/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/09/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/09/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/09/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/09/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/09/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/09/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/09/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/09/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/09/22
4-Methyl-2-Pentanone	ND		ug/Kg	500	140	07/07/22	07/09/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/09/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/09/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/09/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/09/22
2-Hexanone	ND		ug/Kg	500	210	07/07/22	07/09/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/09/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/09/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/09/22
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

QC999273 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/09/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/09/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/09/22
m,p-Xylenes	ND		ug/Kg	250	86	07/07/22	07/09/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/09/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/09/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/09/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/09/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/09/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/09/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/09/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/09/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/09/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/09/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/09/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/09/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/09/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/09/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/09/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/09/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/09/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/09/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/09/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/09/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/09/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/09/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/09/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/09/22
Surrogates				**Limits**			
Dibromofluoromethane	95%		%REC	70-130	100	07/07/22	07/09/22
1,2-Dichloroethane-d4	88%		%REC	70-145	180	07/07/22	07/09/22
Toluene-d8	96%		%REC	70-145	96	07/07/22	07/09/22
Bromofluorobenzene	94%		%REC	70-145		07/07/22	07/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999449	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	10	0.4	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	100	8.8	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	10	0.4	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	10	0.4	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	10	0.3	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	10	0.3	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Acetone	ND		ug/Kg	25	25	07/07/22	07/11/22
Freon 113	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	20	0.7	07/07/22	07/11/22
Carbon Disulfide	ND		ug/Kg	5.0	0.8	07/07/22	07/11/22
MTBE	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	10	3.2	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Chloroform	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Benzene	ND		ug/Kg	5.0	0.2	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	10	1.9	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
2-Hexanone	ND		ug/Kg	10	2.2	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2-Dibromoethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999449 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	5.0	0.8	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
Styrene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Bromoform	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	0.4	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	5.0	0.3	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	5.0	0.7	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	5.0	0.6	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	5.0	0.9	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	0.5	07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		07/07/22	07/11/22
1,2-Dichloroethane-d4	90%		%REC	70-145		07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145		07/07/22	07/11/22
Bromofluorobenzene	90%		%REC	70-145		07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC999450	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999450 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.81	50.00	ug/Kg	88%		70-131
MTBE	38.86	50.00	ug/Kg	78%		69-130
Benzene	44.21	50.00	ug/Kg	88%		70-130
Trichloroethene	47.94	50.00	ug/Kg	96%		70-130
Toluene	44.78	50.00	ug/Kg	90%		70-130
Chlorobenzene	46.20	50.00	ug/Kg	92%		70-130
Surrogates						
Dibromofluoromethane	53.55	50.00	ug/Kg	107%		70-130
1,2-Dichloroethane-d4	43.44	50.00	ug/Kg	87%		70-145
Toluene-d8	48.56	50.00	ug/Kg	97%		70-145
Bromofluorobenzene	47.74	50.00	ug/Kg	95%		70-145

Type: Lab Control Sample Duplicate	**Lab ID:** QC999451	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999451 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	44.67	50.00	ug/Kg	89%		70-131	2	33
MTBE	42.01	50.00	ug/Kg	84%		69-130	8	30
Benzene	45.64	50.00	ug/Kg	91%		70-130	3	30
Trichloroethene	48.39	50.00	ug/Kg	97%		70-130	1	30
Toluene	45.24	50.00	ug/Kg	90%		70-130	1	30
Chlorobenzene	47.42	50.00	ug/Kg	95%		70-130	3	30
Surrogates								
Dibromofluoromethane	52.54	50.00	ug/Kg	105%		70-130		
1,2-Dichloroethane-d4	43.32	50.00	ug/Kg	87%		70-145		
Toluene-d8	49.30	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	47.95	50.00	ug/Kg	96%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC999452	**Batch:** 292638
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** METHOD

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Freon 12	ND		ug/Kg	500	57	07/07/22	07/11/22
tert-Butyl Alcohol (TBA)	ND		ug/Kg	5,000	440	07/07/22	07/11/22
Chloromethane	ND		ug/Kg	500	34	07/07/22	07/11/22
Isopropyl Ether (DIPE)	ND		ug/Kg	250	66	07/07/22	07/11/22
Vinyl Chloride	ND		ug/Kg	500	41	07/07/22	07/11/22
Bromomethane	ND		ug/Kg	500	48	07/07/22	07/11/22
Ethyl tert-Butyl Ether (ETBE)	ND		ug/Kg	250	68	07/07/22	07/11/22
Chloroethane	ND		ug/Kg	500	20	07/07/22	07/11/22
Methyl tert-Amyl Ether (TAME)	ND		ug/Kg	250	76	07/07/22	07/11/22
Trichlorofluoromethane	ND		ug/Kg	250	24	07/07/22	07/11/22
Acetone	ND		ug/Kg	1,000	530	07/07/22	07/11/22
Freon 113	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1-Dichloroethene	ND		ug/Kg	250	20	07/07/22	07/11/22
Methylene Chloride	ND		ug/Kg	1,000	91	07/07/22	07/11/22
Carbon Disulfide	ND		ug/Kg	250	21	07/07/22	07/11/22
MTBE	ND		ug/Kg	250	70	07/07/22	07/11/22
trans-1,2-Dichloroethene	ND		ug/Kg	250	44	07/07/22	07/11/22
1,1-Dichloroethane	ND		ug/Kg	250	38	07/07/22	07/11/22
2-Butanone	ND		ug/Kg	500	430	07/07/22	07/11/22
cis-1,2-Dichloroethene	ND		ug/Kg	250	50	07/07/22	07/11/22
2,2-Dichloropropane	ND		ug/Kg	250	27	07/07/22	07/11/22
Chloroform	ND		ug/Kg	250	200	07/07/22	07/11/22
Bromochloromethane	ND		ug/Kg	250	91	07/07/22	07/11/22
1,1,1-Trichloroethane	ND		ug/Kg	250	41	07/07/22	07/11/22
1,1-Dichloropropene	ND		ug/Kg	250	37	07/07/22	07/11/22
Carbon Tetrachloride	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2-Dichloroethane	ND		ug/Kg	250	80	07/07/22	07/11/22
Benzene	ND		ug/Kg	250	47	07/07/22	07/11/22
Trichloroethene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2-Dichloropropane	ND		ug/Kg	250	55	07/07/22	07/11/22
Bromodichloromethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Dibromomethane	ND		ug/Kg	250	58	07/07/22	07/11/22
4-Methyl-2-Pentanone	ND		ug/Kg	500	140	07/07/22	07/11/22
cis-1,3-Dichloropropene	ND		ug/Kg	250	25	07/07/22	07/11/22
Toluene	ND		ug/Kg	250	51	07/07/22	07/11/22
trans-1,3-Dichloropropene	ND		ug/Kg	250	40	07/07/22	07/11/22
1,1,2-Trichloroethane	ND		ug/Kg	250	69	07/07/22	07/11/22
2-Hexanone	ND		ug/Kg	500	210	07/07/22	07/11/22
1,3-Dichloropropane	ND		ug/Kg	250	62	07/07/22	07/11/22
Tetrachloroethene	ND		ug/Kg	250	34	07/07/22	07/11/22
Dibromochloromethane	ND		ug/Kg	250	35	07/07/22	07/11/22
1,2-Dibromoethane	ND		ug/Kg	250	64	07/07/22	07/11/22

ENTHALPY ANALYTICAL

Batch QC

QC999452 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorobenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	54	07/07/22	07/11/22
Ethylbenzene	ND		ug/Kg	250	43	07/07/22	07/11/22
m,p-Xylenes	ND		ug/Kg	250	86	07/07/22	07/11/22
o-Xylene	ND		ug/Kg	250	48	07/07/22	07/11/22
Styrene	ND		ug/Kg	250	51	07/07/22	07/11/22
Bromoform	ND		ug/Kg	250	53	07/07/22	07/11/22
Isopropylbenzene	ND		ug/Kg	250	37	07/07/22	07/11/22
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	55	07/07/22	07/11/22
1,2,3-Trichloropropane	ND		ug/Kg	250	39	07/07/22	07/11/22
Propylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
Bromobenzene	ND		ug/Kg	250	46	07/07/22	07/11/22
1,3,5-Trimethylbenzene	ND		ug/Kg	250	42	07/07/22	07/11/22
2-Chlorotoluene	ND		ug/Kg	250	32	07/07/22	07/11/22
4-Chlorotoluene	ND		ug/Kg	250	31	07/07/22	07/11/22
tert-Butylbenzene	ND		ug/Kg	250	36	07/07/22	07/11/22
1,2,4-Trimethylbenzene	ND		ug/Kg	250	56	07/07/22	07/11/22
sec-Butylbenzene	ND		ug/Kg	250	39	07/07/22	07/11/22
para-Isopropyl Toluene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,3-Dichlorobenzene	ND		ug/Kg	250	45	07/07/22	07/11/22
1,4-Dichlorobenzene	ND		ug/Kg	250	54	07/07/22	07/11/22
n-Butylbenzene	ND		ug/Kg	250	49	07/07/22	07/11/22
1,2-Dichlorobenzene	ND		ug/Kg	250	50	07/07/22	07/11/22
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	37	07/07/22	07/11/22
1,2,4-Trichlorobenzene	ND		ug/Kg	250	35	07/07/22	07/11/22
Hexachlorobutadiene	ND		ug/Kg	250	51	07/07/22	07/11/22
Naphthalene	ND		ug/Kg	250	58	07/07/22	07/11/22
1,2,3-Trichlorobenzene	ND		ug/Kg	250	44	07/07/22	07/11/22
Surrogates				**Limits**			
Dibromofluoromethane	93%		%REC	70-130	100	07/07/22	07/11/22
1,2-Dichloroethane-d4	89%		%REC	70-145	180	07/07/22	07/11/22
Toluene-d8	98%		%REC	70-145	96	07/07/22	07/11/22
Bromofluorobenzene	92%		%REC	70-145		07/07/22	07/11/22

* Value is outside QC limits
J Estimated value
ND Not Detected

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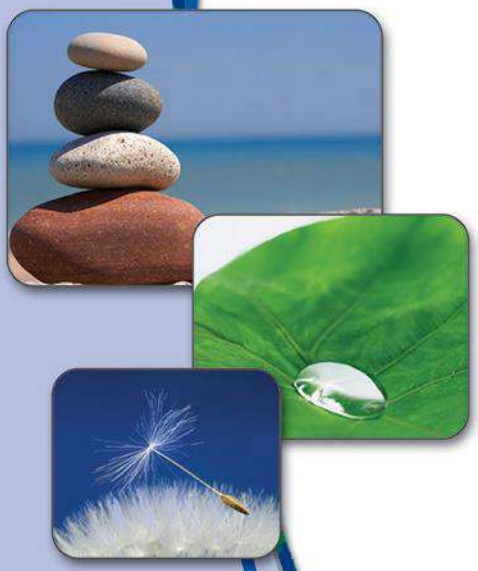

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-103103-1
Client Project/Site: 1185 Sunset Blvd.
Revision: 1

For:
Citadel Environmental Services Inc
1725 Victory Blvd
Glendale, California 91201

Attn: Scott Grasse

Authorized for release by:
8/25/2022 2:43:03 PM

Erick Ovalle, Project Manager
(657)210-6331
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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-103103-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-103103-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2022 4:56 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-249502. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The initial calibration curve analyzed in batch 570-249502 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

Method 8260B: The following samples were diluted due to the nature of the sample matrix / hydrocarbons: 0714-3-WEST (570-103103-7) and 0714-2-EAST (570-103103-10). Elevated reporting limits (RLs) are provided.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-249628 recovered outside control limits for the following analyte: Acetone. The Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-249628.

Method 8260B: The initial calibration curve analyzed in batch 570-249628 was outside method criteria for the following analyte: Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered an estimated concentration.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-249519. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 250244.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony and Barium for preparation batch 570-249451 and analytical batch 570-249591 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.(570-103076-H-1-B MS ^5) and (570-103076-H-1-C MSD ^5)

Method 6010B: The post digestion spike % recovery for Antimony associated with batch 570-249591 was outside of control limits. The

Job ID: 570-103103-1 (Continued)

Laboratory: Eurofins Calscience (Continued)

associated sample is: (570-103076-H-1-A PDS ^5).(570-103076-H-1-A PDS ^5)

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 570-250204 and analytical batch 570-250336 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Antimony for preparation batch 570-249804 and analytical batch 570-250354 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-6-EAST — Lab Sample ID: 570-103103-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.63		3.00		mg/Kg	5		6010B	Total/NA
Barium	120		3.00		mg/Kg	5		6010B	Total/NA
Cadmium	1.14		0.500		mg/Kg	5		6010B	Total/NA
Chromium	12.0		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	15.1		1.00		mg/Kg	5		6010B	Total/NA
Copper	20.2		2.00		mg/Kg	5		6010B	Total/NA
Lead	3.43		2.00		mg/Kg	5		6010B	Total/NA
Molybdenum	2.56		2.00		mg/Kg	5		6010B	Total/NA
Nickel	22.3		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	31.9		1.00		mg/Kg	5		6010B	Total/NA
Zinc	61.0		5.00		mg/Kg	5		6010B	Total/NA
Mercury	0.138		0.0833		mg/Kg	1		7471A	Total/NA

Client Sample ID: 0714-6-WEST — Lab Sample ID: 570-103103-2

No Detections.

Client Sample ID: 0714-5-WEST — Lab Sample ID: 570-103103-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C29-C32	9.1		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	5.4		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	31		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	6.1		4.9		mg/Kg	1		8015B	Total/NA

Client Sample ID: 0714-5-EAST — Lab Sample ID: 570-103103-4

No Detections.

Client Sample ID: 0714-4-WEST — Lab Sample ID: 570-103103-5

No Detections.

Client Sample ID: 0714-4-EAST — Lab Sample ID: 570-103103-6

No Detections.

Client Sample ID: 0714-3-WEST — Lab Sample ID: 570-103103-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	32000		3100		ug/Kg	2000		8260B	Total/NA
1,3,5-Trimethylbenzene	12000		3100		ug/Kg	2000		8260B	Total/NA
n-Butylbenzene	8700		1600		ug/Kg	2000		8260B	Total/NA
N-Propylbenzene	7000		3100		ug/Kg	2000		8260B	Total/NA
sec-Butylbenzene	1900		1600		ug/Kg	2000		8260B	Total/NA
Gasoline Range Organics (C4-C12)	740		39		mg/Kg	500		8015B	Total/NA
Barium	118		3.06		mg/Kg	5		6010B	Total/NA
Chromium	11.6		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	7.83		1.02		mg/Kg	5		6010B	Total/NA
Copper	19.6		2.04		mg/Kg	5		6010B	Total/NA
Lead	5.22		2.04		mg/Kg	5		6010B	Total/NA
Molybdenum	2.18		2.04		mg/Kg	5		6010B	Total/NA
Nickel	16.2		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	26.6		1.02		mg/Kg	5		6010B	Total/NA
Zinc	42.1		5.10		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-3-WEST (Continued) — Lab Sample ID: 570-103103-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	0.0875		0.0817		mg/Kg	1		7471A	Total/NA

Client Sample ID: 0714-3-EAST — Lab Sample ID: 570-103103-8

No Detections.

Client Sample ID: 0714-2-WEST — Lab Sample ID: 570-103103-9

No Detections.

Client Sample ID: 0714-2-EAST — Lab Sample ID: 570-103103-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Gasoline Range Organics (C4-C12)	2.4		0.082		mg/Kg	1		8015B	Total/NA

Client Sample ID: SP-UST-North — Lab Sample ID: 570-103103-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
C25-C28	13		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	20		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	17		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	5.3		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	10		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	83		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	22		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.71		3.06		mg/Kg	5		6010B	Total/NA
Barium	115		3.06		mg/Kg	5		6010B	Total/NA
Cadmium	0.574		0.510		mg/Kg	5		6010B	Total/NA
Chromium	13.0		1.02		mg/Kg	5		6010B	Total/NA
Cobalt	6.19		1.02		mg/Kg	5		6010B	Total/NA
Copper	15.6		2.04		mg/Kg	5		6010B	Total/NA
Lead	16.6		2.04		mg/Kg	5		6010B	Total/NA
Nickel	14.2		2.04		mg/Kg	5		6010B	Total/NA
Vanadium	27.8		1.02		mg/Kg	5		6010B	Total/NA
Zinc	122		5.10		mg/Kg	5		6010B	Total/NA

Client Sample ID: SP-UST-South — Lab Sample ID: 570-103103-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Acetone	21	*1	20		ug/Kg	1		8260B	Total/NA
C23-C24	8.8		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	30		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	45		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	39		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	11		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	19		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	180		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	45		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.42		3.08		mg/Kg	5		6010B	Total/NA
Barium	63.7		3.08		mg/Kg	5		6010B	Total/NA
Chromium	7.27		1.03		mg/Kg	5		6010B	Total/NA
Cobalt	4.08		1.03		mg/Kg	5		6010B	Total/NA
Copper	12.9		2.05		mg/Kg	5		6010B	Total/NA
Lead	6.21		2.05		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SP-UST-South (Continued)

Lab Sample ID: 570-103103-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Nickel	6.62		2.05		mg/Kg	5		6010B	Total/NA
Vanadium	16.6		1.03		mg/Kg	5		6010B	Total/NA
Zinc	65.3		5.13		mg/Kg	5		6010B	Total/NA

Client Sample ID: SP-1166

Lab Sample ID: 570-103103-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	530		89		ug/Kg	50		8260B	Total/NA
1,3,5-Trimethylbenzene	320		89		ug/Kg	50		8260B	Total/NA
n-Butylbenzene	51		45		ug/Kg	50		8260B	Total/NA
o-Xylene	350		45		ug/Kg	50		8260B	Total/NA
m,p-Xylene	960		89		ug/Kg	50		8260B	Total/NA
Toluene	50		45		ug/Kg	50		8260B	Total/NA
Gasoline Range Organics (C4-C12)	1.9		0.093		mg/Kg	1		8015B	Total/NA
C23-C24	7.2		4.9		mg/Kg	1		8015B	Total/NA
C25-C28	32		4.9		mg/Kg	1		8015B	Total/NA
C29-C32	60		4.9		mg/Kg	1		8015B	Total/NA
C33-C36	56		4.9		mg/Kg	1		8015B	Total/NA
C37-C40	14		4.9		mg/Kg	1		8015B	Total/NA
C41-C44	25		4.9		mg/Kg	1		8015B	Total/NA
C6-C44	240		4.9		mg/Kg	1		8015B	Total/NA
Diesel Range Organics [C10-C28]	49		4.9		mg/Kg	1		8015B	Total/NA
Arsenic	3.24		3.00		mg/Kg	5		6010B	Total/NA
Barium	104		3.00		mg/Kg	5		6010B	Total/NA
Cadmium	0.513		0.500		mg/Kg	5		6010B	Total/NA
Chromium	11.1		1.00		mg/Kg	5		6010B	Total/NA
Cobalt	6.14		1.00		mg/Kg	5		6010B	Total/NA
Copper	17.5		2.00		mg/Kg	5		6010B	Total/NA
Lead	22.9		2.00		mg/Kg	5		6010B	Total/NA
Nickel	11.2		2.00		mg/Kg	5		6010B	Total/NA
Vanadium	25.3		1.00		mg/Kg	5		6010B	Total/NA
Zinc	85.2		5.00		mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,1-Trichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1,2-Trichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1-Dichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1-Dichloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dibromo-3-Chloropropane	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dibromoethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dichlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dichloroethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,2-Dichloropropane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,3-Dichlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,3-Dichloropropane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
1,4-Dichlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2,2-Dichloropropane	ND		4.6		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2-Butanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2-Chlorotoluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
2-Hexanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
4-Chlorotoluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Acetone	ND	*1	18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Benzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromodichloromethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromoform	ND		4.6		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Bromomethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
cis-1,2-Dichloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
cis-1,3-Dichloropropene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Carbon disulfide	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Carbon tetrachloride	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chlorobenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chloroform	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Chloromethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Dibromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Dibromomethane	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Di-isopropyl ether (DIPE)	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Ethanol	ND		230		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Ethylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Methylene Chloride	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Naphthalene	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
n-Butylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
N-Propylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
o-Xylene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
m,p-Xylene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
p-Isopropyltoluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
sec-Butylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Styrene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
trans-1,2-Dichloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Tert-amyl-methyl ether (TAME)	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
tert-Butylbenzene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Tetrachloroethene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Toluene	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Trichloroethene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Trichlorofluoromethane	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Vinyl acetate	ND		9.2		ug/Kg		07/15/22 10:36	07/15/22 21:15	1
Vinyl chloride	ND		0.92		ug/Kg		07/15/22 10:36	07/15/22 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 142*	*07/15/22 10:36*	*07/15/22 21:15*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:15*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 123*	*07/15/22 10:36*	*07/15/22 21:15*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:15*	*1*

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,1-Trichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1,2-Trichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1-Dichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1-Dichloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,1-Dichloropropene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,3-Trichloropropane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dibromo-3-Chloropropane	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dibromoethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dichlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dichloroethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,2-Dichloropropane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,3-Dichlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,3-Dichloropropane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
1,4-Dichlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2,2-Dichloropropane	ND		4.8		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2-Butanone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2-Chlorotoluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
2-Hexanone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
4-Chlorotoluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
4-Methyl-2-pentanone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Acetone	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Benzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromochloromethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromodichloromethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromoform	ND		4.8		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Bromomethane	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
cis-1,2-Dichloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
cis-1,3-Dichloropropene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Carbon disulfide	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Carbon tetrachloride	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chlorobenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chloroethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chloroform	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Chloromethane	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Dibromochloromethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Dibromomethane	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Dichlorodifluoromethane	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Di-isopropyl ether (DIPE)	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Ethanol	ND		240		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Ethylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Ethyl-t-butyl ether (ETBE)	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Isopropylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Methylene Chloride	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Methyl-t-Butyl Ether (MTBE)	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Naphthalene	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
n-Butylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
N-Propylbenzene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
o-Xylene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
m,p-Xylene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
p-Isopropyltoluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
sec-Butylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Styrene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
trans-1,2-Dichloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
trans-1,3-Dichloropropene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Tert-amyl-methyl ether (TAME)	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
tert-Butyl alcohol (TBA)	ND		19		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
tert-Butylbenzene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Tetrachloroethene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Trichloroethene	ND		1.9		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Trichlorofluoromethane	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Vinyl acetate	ND		9.6		ug/Kg		07/15/22 10:36	07/15/22 14:31	1
Vinyl chloride	ND		0.96		ug/Kg		07/15/22 10:36	07/15/22 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 142*	*07/15/22 10:36*	*07/15/22 14:31*	*1*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*07/15/22 10:36*	*07/15/22 14:31*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 123*	*07/15/22 10:36*	*07/15/22 14:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 14:31*	*1*

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,1-Trichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1,2-Trichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1-Dichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1-Dichloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dibromo-3-Chloropropane	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dibromoethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dichlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dichloroethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,2-Dichloropropane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,3-Dichlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,3-Dichloropropane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
1,4-Dichlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2-Butanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2-Chlorotoluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
2-Hexanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
4-Chlorotoluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Acetone	ND	*1	18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Benzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromodichloromethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromoform	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Bromomethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
cis-1,3-Dichloropropene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Carbon disulfide	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Carbon tetrachloride	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chlorobenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chloroform	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Chloromethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Dibromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Dibromomethane	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Di-isopropyl ether (DIPE)	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Ethanol	ND		220		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Ethylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Isopropylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Methylene Chloride	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Naphthalene	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
n-Butylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
N-Propylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
o-Xylene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
m,p-Xylene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
p-Isopropyltoluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
sec-Butylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Styrene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
trans-1,2-Dichloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Tert-amyl-methyl ether (TAME)	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
tert-Butylbenzene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Tetrachloroethene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Toluene	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Trichloroethene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Trichlorofluoromethane	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Vinyl acetate	ND		8.9		ug/Kg		07/15/22 10:36	07/15/22 21:36	1
Vinyl chloride	ND		0.89		ug/Kg		07/15/22 10:36	07/15/22 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 142*	*07/15/22 10:36*	*07/15/22 21:36*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:36*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 123*	*07/15/22 10:36*	*07/15/22 21:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:36*	*1*

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1,1-Trichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1,2-Trichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1-Dichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1-Dichloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,1-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,3-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,3-Trichloropropane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,4-Trichlorobenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2,4-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dibromo-3-Chloropropane	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dibromoethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dichlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dichloroethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,2-Dichloropropane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,3,5-Trimethylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,3-Dichlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,3-Dichloropropane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2,2-Dichloropropane	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2-Butanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2-Chlorotoluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
2-Hexanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
4-Chlorotoluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
4-Methyl-2-pentanone	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Acetone	ND	*1	18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Benzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromodichloromethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromoform	ND		4.5		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Bromomethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
cis-1,2-Dichloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Carbon disulfide	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Carbon tetrachloride	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chlorobenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chloroethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chloroform	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Chloromethane	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Dibromochloromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Dibromomethane	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Dichlorodifluoromethane	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Di-isopropyl ether (DIPE)	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Ethanol	ND		230		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Ethylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Ethyl-t-butyl ether (ETBE)	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Isopropylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Methylene Chloride	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Naphthalene	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
n-Butylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
N-Propylbenzene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
o-Xylene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
m,p-Xylene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
p-Isopropyltoluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
sec-Butylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Styrene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
trans-1,2-Dichloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
trans-1,3-Dichloropropene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Tert-amyl-methyl ether (TAME)	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
tert-Butyl alcohol (TBA)	ND		18		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
tert-Butylbenzene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Tetrachloroethene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Toluene	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Trichloroethene	ND		1.8		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Trichlorofluoromethane	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Vinyl acetate	ND		9.0		ug/Kg		07/15/22 10:36	07/15/22 21:57	1
Vinyl chloride	ND		0.90		ug/Kg		07/15/22 10:36	07/15/22 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*07/15/22 10:36*	*07/15/22 21:57*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:57*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 123*	*07/15/22 10:36*	*07/15/22 21:57*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*07/15/22 10:36*	*07/15/22 21:57*	*1*

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,1-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1,2-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dibromoethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,2-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2-Butanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
2-Hexanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
4-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Acetone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Benzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromodichloromethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromoform	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Bromomethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
cis-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
cis-1,3-Dichloropropene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Carbon disulfide	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Carbon tetrachloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chloroform	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Chloromethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Dibromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Dibromomethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Di-isopropyl ether (DIPE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Ethanol	ND		210		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Ethylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Ethyl-t-butyl ether (ETBE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Isopropylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Methylene Chloride	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Naphthalene	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
n-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
N-Propylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
o-Xylene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
m,p-Xylene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
p-Isopropyltoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
sec-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Styrene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
trans-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Tert-amyl-methyl ether (TAME)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
tert-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Tetrachloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Toluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Trichloroethene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Vinyl acetate	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 15:33	1
Vinyl chloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*80 - 142*	*07/15/22 10:36*	*07/15/22 15:33*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:33*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 15:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:33*	*1*

Client Sample ID: 0714-4-EAST
Date Collected: 07/14/22 12:57
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,1-Trichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1,2-Trichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1-Dichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1-Dichloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dibromo-3-Chloropropane	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dibromoethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dichlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dichloroethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,2-Dichloropropane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,3-Dichlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,3-Dichloropropane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
1,4-Dichlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2,2-Dichloropropane	ND		4.3		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2-Butanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2-Chlorotoluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
2-Hexanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
4-Chlorotoluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Acetone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Benzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromodichloromethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromoform	ND		4.3		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Bromomethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
cis-1,2-Dichloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
cis-1,3-Dichloropropene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-4-EAST
Date Collected: 07/14/22 12:57
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Carbon tetrachloride	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chlorobenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chloroform	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Chloromethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Dibromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Dibromomethane	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Di-isopropyl ether (DIPE)	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Ethanol	ND		220		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Ethylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Ethyl-t-butyl ether (ETBE)	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Isopropylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Methylene Chloride	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Naphthalene	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
n-Butylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
N-Propylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
o-Xylene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
m,p-Xylene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
p-Isopropyltoluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
sec-Butylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Styrene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
trans-1,2-Dichloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Tert-amyl-methyl ether (TAME)	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
tert-Butylbenzene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Tetrachloroethene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Toluene	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Trichloroethene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Trichlorofluoromethane	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Vinyl acetate	ND		8.7		ug/Kg		07/15/22 10:36	07/15/22 15:54	1
Vinyl chloride	ND		0.87		ug/Kg		07/15/22 10:36	07/15/22 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*80 - 142*	*07/15/22 10:36*	*07/15/22 15:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:54*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 15:54*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 15:54*	*1*

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1,1-Trichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1,2,2-Tetrachloroethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1-Dichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1-Dichloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,1-Dichloropropene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,3-Trichlorobenzene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,3-Trichloropropane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,4-Trichlorobenzene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2,4-Trimethylbenzene	**32000**		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dibromo-3-Chloropropane	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dibromoethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dichlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dichloroethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,2-Dichloropropane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,3,5-Trimethylbenzene	**12000**		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,3-Dichlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,3-Dichloropropane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
1,4-Dichlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2,2-Dichloropropane	ND		7800		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2-Butanone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2-Chlorotoluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
2-Hexanone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
4-Chlorotoluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
4-Methyl-2-pentanone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Acetone	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Benzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromochloromethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromodichloromethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromoform	ND		7800		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Bromomethane	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
cis-1,2-Dichloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
cis-1,3-Dichloropropene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Carbon disulfide	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Carbon tetrachloride	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chlorobenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chloroethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chloroform	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Chloromethane	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Dibromochloromethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Dibromomethane	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Dichlorodifluoromethane	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Di-isopropyl ether (DIPE)	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Ethanol	ND		390000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Ethylbenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Ethyl-t-butyl ether (ETBE)	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Isopropylbenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Methylene Chloride	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Methyl-t-Butyl Ether (MTBE)	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Naphthalene	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	**8700**		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
N-Propylbenzene	**7000**		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
o-Xylene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
m,p-Xylene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
p-Isopropyltoluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
sec-Butylbenzene	**1900**		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Styrene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
trans-1,2-Dichloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
trans-1,3-Dichloropropene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Tert-amyl-methyl ether (TAME)	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
tert-Butyl alcohol (TBA)	ND		31000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
tert-Butylbenzene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Tetrachloroethene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Toluene	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Trichloroethene	ND		3100		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Trichlorofluoromethane	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Vinyl acetate	ND		16000		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000
Vinyl chloride	ND		1600		ug/Kg		07/15/22 10:36	07/15/22 17:38	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 142*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*
Dibromofluoromethane (Surr)	*101*		*80 - 123*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:38*	*2000*

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,1-Trichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1,2-Trichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1-Dichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1-Dichloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,1-Dichloropropene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,3-Trichlorobenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,3-Trichloropropane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,4-Trichlorobenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2,4-Trimethylbenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dibromo-3-Chloropropane	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dibromoethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dichlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dichloroethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,2-Dichloropropane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,3,5-Trimethylbenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,3-Dichlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,3-Dichloropropane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
1,4-Dichlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		3.9		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
2-Butanone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
2-Chlorotoluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
2-Hexanone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
4-Chlorotoluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
4-Methyl-2-pentanone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Acetone	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Benzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromochloromethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromodichloromethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromoform	ND		3.9		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Bromomethane	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
cis-1,2-Dichloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
cis-1,3-Dichloropropene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Carbon disulfide	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Carbon tetrachloride	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chlorobenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chloroethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chloroform	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Chloromethane	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Dibromochloromethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Dibromomethane	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Dichlorodifluoromethane	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Di-isopropyl ether (DIPE)	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Ethanol	ND		190		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Ethylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Ethyl-t-butyl ether (ETBE)	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Isopropylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Methylene Chloride	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Methyl-t-Butyl Ether (MTBE)	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Naphthalene	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
n-Butylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
N-Propylbenzene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
o-Xylene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
m,p-Xylene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
p-Isopropyltoluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
sec-Butylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Styrene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
trans-1,2-Dichloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
trans-1,3-Dichloropropene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Tert-amyl-methyl ether (TAME)	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
tert-Butyl alcohol (TBA)	ND		15		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
tert-Butylbenzene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Tetrachloroethene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Toluene	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Trichloroethene	ND		1.5		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Trichlorofluoromethane	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1
Vinyl acetate	ND		7.7		ug/Kg		07/15/22 10:36	07/15/22 16:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.77		ug/Kg		07/15/22 10:36	07/15/22 16:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*80 - 142*	*07/15/22 10:36*	*07/15/22 16:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:15*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 123*	*07/15/22 10:36*	*07/15/22 16:15*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:15*	*1*

Client Sample ID: 0714-2-WEST
Date Collected: 07/14/22 10:50
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,1-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,2,2-Tetrachloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1,2-Trichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,1-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,3-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,3-Trichloropropane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,4-Trichlorobenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2,4-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dibromo-3-Chloropropane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dibromoethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dichloroethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,2-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,3,5-Trimethylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,3-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,3-Dichloropropane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
1,4-Dichlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2,2-Dichloropropane	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2-Butanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
2-Hexanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
4-Chlorotoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
4-Methyl-2-pentanone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Acetone	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Benzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromodichloromethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromoform	ND		4.2		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Bromomethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
cis-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
cis-1,3-Dichloropropene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Carbon disulfide	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Carbon tetrachloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-2-WEST
Date Collected: 07/14/22 10:50
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Chloroethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Chloroform	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Chloromethane	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Dibromochloromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Dibromomethane	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Dichlorodifluoromethane	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Di-isopropyl ether (DIPE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Ethanol	ND		210		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Ethylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Ethyl-t-butyl ether (ETBE)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Isopropylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Methylene Chloride	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Methyl-t-Butyl Ether (MTBE)	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Naphthalene	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
n-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
N-Propylbenzene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
o-Xylene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
m,p-Xylene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
p-Isopropyltoluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
sec-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Styrene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
trans-1,2-Dichloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Tert-amyl-methyl ether (TAME)	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
tert-Butyl alcohol (TBA)	ND		17		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
tert-Butylbenzene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Tetrachloroethene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Toluene	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Trichloroethene	ND		1.7		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Trichlorofluoromethane	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Vinyl acetate	ND		8.3		ug/Kg		07/15/22 10:36	07/15/22 16:36	1
Vinyl chloride	ND		0.83		ug/Kg		07/15/22 10:36	07/15/22 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*80 - 142*	*07/15/22 10:36*	*07/15/22 16:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:36*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 16:36*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:36*	*1*

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,1-Trichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,2,2-Tetrachloroethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1,2-Trichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1-Dichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,1-Dichloropropene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,3-Trichlorobenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,3-Trichloropropane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,4-Trichlorobenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2,4-Trimethylbenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dibromo-3-Chloropropane	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dibromoethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dichlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dichloroethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,2-Dichloropropane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,3,5-Trimethylbenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,3-Dichlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,3-Dichloropropane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
1,4-Dichlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2,2-Dichloropropane	ND		210		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2-Butanone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2-Chlorotoluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
2-Hexanone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
4-Chlorotoluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
4-Methyl-2-pentanone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Acetone	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Benzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromochloromethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromodichloromethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromoform	ND		210		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Bromomethane	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
cis-1,2-Dichloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
cis-1,3-Dichloropropene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Carbon disulfide	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Carbon tetrachloride	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chlorobenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chloroethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chloroform	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Chloromethane	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Dibromochloromethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Dibromomethane	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Dichlorodifluoromethane	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Di-isopropyl ether (DIPE)	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Ethanol	ND		11000		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Ethylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Ethyl-t-butyl ether (ETBE)	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Isopropylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Methylene Chloride	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Methyl-t-Butyl Ether (MTBE)	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Naphthalene	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
n-Butylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
N-Propylbenzene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
m,p-Xylene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
p-Isopropyltoluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
sec-Butylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Styrene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
trans-1,2-Dichloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
trans-1,3-Dichloropropene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Tert-amyl-methyl ether (TAME)	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
tert-Butyl alcohol (TBA)	ND		840		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
tert-Butylbenzene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Tetrachloroethene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Toluene	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Trichloroethene	ND		84		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Trichlorofluoromethane	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Vinyl acetate	ND		420		ug/Kg		07/15/22 10:36	07/15/22 17:59	50
Vinyl chloride	ND		42		ug/Kg		07/15/22 10:36	07/15/22 17:59	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 142*	*07/15/22 10:36*	*07/15/22 17:59*	*50*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:59*	*50*
Dibromofluoromethane (Surr)	*100*		*80 - 123*	*07/15/22 10:36*	*07/15/22 17:59*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*	*07/15/22 10:36*	*07/15/22 17:59*	*50*

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1,2-Trichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1-Dichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1-Dichloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dibromoethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dichlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dichloroethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,2-Dichloropropane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,3-Dichlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,3-Dichloropropane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
2,2-Dichloropropane	ND		5.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
2-Butanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
2-Hexanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
4-Chlorotoluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Acetone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Benzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromodichloromethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromoform	ND		5.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Bromomethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
cis-1,3-Dichloropropene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Carbon disulfide	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Carbon tetrachloride	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chlorobenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chloroform	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Chloromethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Dibromomethane	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Di-isopropyl ether (DIPE)	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Ethanol	ND		250		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Ethylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Ethyl-t-butyl ether (ETBE)	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Isopropylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Methylene Chloride	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Naphthalene	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
n-Butylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
o-Xylene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
p-Isopropyltoluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
sec-Butylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Styrene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Tert-amyl-methyl ether (TAME)	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
tert-Butylbenzene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Tetrachloroethene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Toluene	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Trichloroethene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Trichlorofluoromethane	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Vinyl acetate	ND		9.9		ug/Kg		07/15/22 10:36	07/15/22 16:57	1
Vinyl chloride	ND		0.99		ug/Kg		07/15/22 10:36	07/15/22 16:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*124*		*80 - 142*	*07/15/22 10:36*	*07/15/22 16:57*	*1*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:57*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*	*07/15/22 10:36*	*07/15/22 16:57*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*07/15/22 10:36*	*07/15/22 16:57*	*1*

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,1-Trichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1,2-Trichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1-Dichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1-Dichloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,1-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dibromoethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dichlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dichloroethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,2-Dichloropropane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,3-Dichlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,3-Dichloropropane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
1,4-Dichlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2,2-Dichloropropane	ND		4.9		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2-Butanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2-Chlorotoluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
2-Hexanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
4-Chlorotoluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
4-Methyl-2-pentanone	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Acetone	**21**	***1**	20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Benzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromodichloromethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromoform	ND		4.9		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Bromomethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
cis-1,2-Dichloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
cis-1,3-Dichloropropene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Carbon disulfide	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Carbon tetrachloride	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chlorobenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chloroethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chloroform	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Chloromethane	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Dibromochloromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Dichlorodifluoromethane	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Di-isopropyl ether (DIPE)	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Ethanol	ND		240		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Ethylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Ethyl-t-butyl ether (ETBE)	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Isopropylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Methylene Chloride	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Naphthalene	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
n-Butylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
N-Propylbenzene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
o-Xylene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
m,p-Xylene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
p-Isopropyltoluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
sec-Butylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Styrene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
trans-1,2-Dichloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Tert-amyl-methyl ether (TAME)	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
tert-Butylbenzene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Tetrachloroethene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Toluene	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Trichloroethene	ND		2.0		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Trichlorofluoromethane	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Vinyl acetate	ND		9.8		ug/Kg		07/15/22 10:36	07/15/22 22:18	1
Vinyl chloride	ND		0.98		ug/Kg		07/15/22 10:36	07/15/22 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 142*	*07/15/22 10:36*	*07/15/22 22:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:18*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 123*	*07/15/22 10:36*	*07/15/22 22:18*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:18*	*1*

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,1-Trichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,2,2-Tetrachloroethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1,2-Trichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1-Dichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1-Dichloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,1-Dichloropropene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2,3-Trichlorobenzene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2,3-Trichloropropane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2,4-Trichlorobenzene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**530**		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dibromoethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dichlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dichloroethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,2-Dichloropropane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,3,5-Trimethylbenzene	**320**		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,3-Dichlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,3-Dichloropropane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
1,4-Dichlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2,2-Dichloropropane	ND		220		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2-Butanone	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2-Chlorotoluene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
2-Hexanone	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
4-Chlorotoluene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
4-Methyl-2-pentanone	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Acetone	ND	*1	890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Benzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromochloromethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromodichloromethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromoform	ND		220		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Bromomethane	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
cis-1,2-Dichloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
cis-1,3-Dichloropropene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Carbon disulfide	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Carbon tetrachloride	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chlorobenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chloroethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chloroform	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Chloromethane	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Dibromochloromethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Dibromomethane	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Dichlorodifluoromethane	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Di-isopropyl ether (DIPE)	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Ethanol	ND		11000		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Ethylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Ethyl-t-butyl ether (ETBE)	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Isopropylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Methylene Chloride	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Methyl-t-Butyl Ether (MTBE)	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Naphthalene	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
n-Butylbenzene	**51**		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
N-Propylbenzene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
o-Xylene	**350**		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
m,p-Xylene	**960**		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
p-Isopropyltoluene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
sec-Butylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Styrene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
trans-1,3-Dichloropropene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Tert-amyl-methyl ether (TAME)	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
tert-Butyl alcohol (TBA)	ND		890		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
tert-Butylbenzene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Tetrachloroethene	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Toluene	**50**		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Trichloroethene	ND		89		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Trichlorofluoromethane	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Vinyl acetate	ND		450		ug/Kg		07/15/22 10:36	07/15/22 22:39	50
Vinyl chloride	ND		45		ug/Kg		07/15/22 10:36	07/15/22 22:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 142*	*07/15/22 10:36*	*07/15/22 22:39*	*50*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:39*	*50*
Dibromofluoromethane (Surr)	*99*		*80 - 123*	*07/15/22 10:36*	*07/15/22 22:39*	*50*
Toluene-d8 (Surr)	*99*		*80 - 120*	*07/15/22 10:36*	*07/15/22 22:39*	*50*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.094		mg/Kg		07/15/22 10:36	07/15/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*42 - 126*	*07/15/22 10:36*	*07/15/22 14:45*	*1*

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11		mg/Kg		07/15/22 10:36	07/15/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*		*42 - 126*	*07/15/22 10:36*	*07/15/22 15:08*	*1*

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.11		mg/Kg		07/15/22 10:36	07/15/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*60*		*42 - 126*	*07/15/22 10:36*	*07/15/22 15:32*	*1*

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.091		mg/Kg		07/15/22 10:36	07/15/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*		*42 - 126*	*07/15/22 10:36*	*07/15/22 17:05*	*1*

Client Sample ID: 0714-4-WEST
Date Collected: 07/14/22 12:51
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.085		mg/Kg		07/15/22 10:36	07/15/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*57*		*42 - 126*	*07/15/22 10:36*	*07/15/22 17:29*	*1*

Client Sample ID: 0714-4-EAST
Date Collected: 07/14/22 12:57
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.082		mg/Kg		07/15/22 10:36	07/15/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*50*		*42 - 126*	*07/15/22 10:36*	*07/15/22 17:52*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**740**		39		mg/Kg		07/15/22 10:36	07/19/22 15:56	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*42 - 126*	*07/15/22 10:36*	*07/19/22 15:56*	*500*

Client Sample ID: 0714-3-EAST
Date Collected: 07/14/22 11:54
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.086		mg/Kg		07/15/22 10:36	07/19/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*42 - 126*	*07/15/22 10:36*	*07/19/22 15:32*	*1*

Client Sample ID: 0714-2-WEST
Date Collected: 07/14/22 10:50
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.076		mg/Kg		07/15/22 10:36	07/19/22 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*42 - 126*	*07/15/22 10:36*	*07/19/22 15:09*	*1*

Client Sample ID: 0714-2-EAST
Date Collected: 07/14/22 11:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	**2.4**		0.082		mg/Kg		07/15/22 10:36	07/15/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*42 - 126*	*07/15/22 10:36*	*07/15/22 19:26*	*1*

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.10		mg/Kg		07/15/22 10:36	07/15/22 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*42 - 126*	*07/15/22 10:36*	*07/15/22 19:49*	*1*

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.088		mg/Kg		07/15/22 10:36	07/15/22 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*		*42 - 126*	*07/15/22 10:36*	*07/15/22 20:13*	*1*

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8015B - Gasoline Range Organics - (GC)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	1.9		0.093		mg/Kg		07/15/22 10:36	07/15/22 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*		*42 - 126*	*07/15/22 10:36*	*07/15/22 20:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C29-C32	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C33-C36	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
C6-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*132*		*60 - 138*	*07/15/22 10:40*	*07/18/22 15:22*	*1*

Client Sample ID: 0714-6-WEST
Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C29-C32	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C33-C36	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
C6-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*133*		*60 - 138*	*07/15/22 10:40*	*07/18/22 15:47*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: 0714-5-WEST
Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C29-C32	**9.1**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C33-C36	**5.4**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
C6-C44	**31**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1
Diesel Range Organics [C10-C28]	**6.1**		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*134*		*60 - 138*	*07/15/22 10:40*	*07/18/22 16:12*	*1*

Client Sample ID: 0714-5-EAST
Date Collected: 07/14/22 14:10
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C7 as C7	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C8 as C8	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C9-C10	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C11-C12	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C13-C14	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C15-C16	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C17-C18	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C19-C20	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C21-C22	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C23-C24	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C25-C28	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C29-C32	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C33-C36	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C37-C40	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C41-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
C6-C44	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1
Diesel Range Organics [C10-C28]	ND		4.9		mg/Kg		07/15/22 10:40	07/18/22 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*133*		*60 - 138*	*07/15/22 10:40*	*07/18/22 16:37*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C7 as C7	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C8 as C8	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C9-C10	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C11-C12	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C13-C14	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C15-C16	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C17-C18	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C19-C20	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C21-C22	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C23-C24	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C25-C28	**13**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C29-C32	**20**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C33-C36	**17**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C37-C40	**5.3**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C41-C44	**10**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
C6-C44	**83**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1
Diesel Range Organics [C10-C28]	**22**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*60 - 138*	*07/19/22 11:49*	*07/19/22 19:18*	*1*

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C7 as C7	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C8 as C8	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C9-C10	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C11-C12	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C13-C14	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C15-C16	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C17-C18	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C19-C20	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C21-C22	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C23-C24	**8.8**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C25-C28	**30**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C29-C32	**45**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C33-C36	**39**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C37-C40	**11**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C41-C44	**19**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
C6-C44	**180**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1
Diesel Range Organics [C10-C28]	**45**		4.9		mg/Kg		07/19/22 11:49	07/19/22 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*116*		*60 - 138*	*07/19/22 11:49*	*07/19/22 19:44*	*1*

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C7 as C7	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C8 as C8	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C9-C10	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C11-C12	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C13-C14	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C15-C16	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C17-C18	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C19-C20	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C21-C22	ND		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C23-C24	**7.2**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C25-C28	**32**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C29-C32	**60**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C33-C36	**56**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C37-C40	**14**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C41-C44	**25**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
C6-C44	**240**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1
Diesel Range Organics [C10-C28]	**49**		4.9		mg/Kg		07/19/22 11:49	07/19/22 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*111*		*60 - 138*	*07/19/22 11:49*	*07/19/22 20:09*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Arsenic	**4.63**		3.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Barium	**120**		3.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Beryllium	ND		0.500		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Cadmium	**1.14**		0.500		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Chromium	**12.0**		1.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Cobalt	**15.1**		1.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Copper	**20.2**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Lead	**3.43**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Molybdenum	**2.56**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Nickel	**22.3**		2.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Selenium	ND		3.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Silver	ND		1.50		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Thallium	ND		10.0		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Vanadium	**31.9**		1.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5
Zinc	**61.0**		5.00		mg/Kg		07/15/22 08:30	07/15/22 13:31	5

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Arsenic	ND		3.06		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Barium	**118**		3.06		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Beryllium	ND		0.510		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Cadmium	ND		0.510		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Chromium	**11.6**		1.02		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Cobalt	**7.83**		1.02		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Copper	**19.6**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Lead	**5.22**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Molybdenum	**2.18**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Nickel	**16.2**		2.04		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Selenium	ND		3.06		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Silver	ND		1.53		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Thallium	ND		10.2		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Vanadium	**26.6**		1.02		mg/Kg		07/18/22 10:15	07/19/22 15:04	5
Zinc	**42.1**		5.10		mg/Kg		07/18/22 10:15	07/19/22 15:04	5

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.2		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Arsenic	**3.71**		3.06		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Barium	**115**		3.06		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Beryllium	ND		0.510		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Cadmium	**0.574**		0.510		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Chromium	**13.0**		1.02		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Cobalt	**6.19**		1.02		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Copper	**15.6**		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Lead	**16.6**		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Molybdenum	ND		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Nickel	**14.2**		2.04		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Selenium	ND		3.06		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Silver	ND		1.53		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Thallium	ND		10.2		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Vanadium	**27.8**		1.02		mg/Kg		07/19/22 10:45	07/19/22 16:16	5
Zinc	**122**		5.10		mg/Kg		07/19/22 10:45	07/19/22 16:16	5

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.3		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Arsenic	**3.42**		3.08		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Barium	**63.7**		3.08		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Beryllium	ND		0.513		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Cadmium	ND		0.513		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Chromium	**7.27**		1.03		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Cobalt	**4.08**		1.03		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Copper	**12.9**		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Lead	**6.21**		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Molybdenum	ND		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Nickel	**6.62**		2.05		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Selenium	ND		3.08		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Silver	ND		1.54		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Thallium	ND		10.3		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Vanadium	**16.6**		1.03		mg/Kg		07/19/22 10:45	07/19/22 16:18	5
Zinc	**65.3**		5.13		mg/Kg		07/19/22 10:45	07/19/22 16:18	5

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10.0		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Arsenic	**3.24**		3.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Barium	**104**		3.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Beryllium	ND		0.500		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Cadmium	**0.513**		0.500		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Chromium	**11.1**		1.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Cobalt	**6.14**		1.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Copper	**17.5**		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Lead	**22.9**		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Molybdenum	ND		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Nickel	**11.2**		2.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Selenium	ND		3.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Silver	ND		1.50		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Thallium	ND		10.0		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Vanadium	**25.3**		1.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5
Zinc	**85.2**		5.00		mg/Kg		07/19/22 10:45	07/19/22 16:21	5

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: 0714-6-EAST
Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.138**		0.0833		mg/Kg		07/14/22 22:44	07/15/22 14:21	1

Client Sample ID: 0714-3-WEST
Date Collected: 07/14/22 11:52
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0875**		0.0817		mg/Kg		07/18/22 14:00	07/18/22 17:45	1

Client Sample ID: SP-UST-North
Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		07/19/22 10:38	07/19/22 13:41	1

Client Sample ID: SP-UST-South
Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0817		mg/Kg		07/19/22 10:38	07/19/22 13:43	1

Client Sample ID: SP-1166
Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0850		mg/Kg		07/19/22 10:38	07/19/22 13:45	1

Surrogate Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-142)	(80-120)	(80-123)	(80-120)
570-103103-1	0714-6-EAST	107	100	101	96
570-103103-2	0714-6-WEST	113	102	103	99
570-103103-3	0714-5-WEST	108	100	104	98
570-103103-4	0714-5-EAST	109	99	105	96
570-103103-5	0714-4-WEST	122	101	108	99
570-103103-6	0714-4-EAST	121	103	108	99
570-103103-7	0714-3-WEST	105	102	101	98
570-103103-8	0714-3-EAST	121	101	109	99
570-103103-9	0714-2-WEST	124	103	108	99
570-103103-10	0714-2-EAST	106	103	100	98
570-103103-11	SP-UST-North	124	103	108	100
570-103103-12	SP-UST-South	109	99	107	97
570-103103-13	SP-1166	97	94	99	99
LCS 570-249502/4	Lab Control Sample	101	98	102	102
LCS 570-249628/3	Lab Control Sample	97	92	100	100
LCSD 570-249502/5	Lab Control Sample Dup	101	99	102	102
LCSD 570-249628/4	Lab Control Sample Dup	96	93	100	99
MB 570-249502/7	Method Blank	102	100	100	98
MB 570-249502/8	Method Blank	100	102	99	98
MB 570-249628/6	Method Blank	98	100	103	96
MB 570-249628/7	Method Blank	100	101	101	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(42-126)
570-103103-1	0714-6-EAST	65
570-103103-2	0714-6-WEST	57
570-103103-3	0714-5-WEST	60
570-103103-4	0714-5-EAST	62
570-103103-5	0714-4-WEST	57
570-103103-6	0714-4-EAST	50
570-103103-7	0714-3-WEST	110
570-103103-8	0714-3-EAST	91
570-103103-9	0714-2-WEST	90
570-103103-10	0714-2-EAST	110
570-103103-11	SP-UST-North	79
570-103103-12	SP-UST-South	65
570-103103-13	SP-1166	61
LCS 570-249519/3	Lab Control Sample	93
LCS 570-250244/3	Lab Control Sample	102
LCSD 570-249519/4	Lab Control Sample Dup	75

Surrogate Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**BFB1 (42-126)**
LCSD 570-250244/4	Lab Control Sample Dup	104
MB 570-249519/5	Method Blank	72
MB 570-250244/5	Method Blank	98
MB 570-250244/6	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**OTCSN1 (60-138)**
570-102864-A-3-B MS	Matrix Spike	132
570-102864-A-3-C MSD	Matrix Spike Duplicate	136
570-103103-1	0714-6-EAST	132
570-103103-2	0714-6-WEST	133
570-103103-3	0714-5-WEST	134
570-103103-4	0714-5-EAST	133
570-103103-11	SP-UST-North	111
570-103103-11 MS	SP-UST-North	107
570-103103-11 MSD	SP-UST-North	120
570-103103-12	SP-UST-South	116
570-103103-13	SP-1166	111
LCS 570-249541/2-A	Lab Control Sample	128
LCS 570-250239/2-A	Lab Control Sample	108
LCSD 570-249541/3-A	Lab Control Sample Dup	124
LCSD 570-250239/3-A	Lab Control Sample Dup	108
MB 570-249541/1-A	Method Blank	126
MB 570-250239/1-A	Method Blank	109

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-249502/7
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			07/15/22 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			07/15/22 10:42	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1-Dichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1-Dichloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
1,1-Dichloropropene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/15/22 10:42	1
1,2-Dibromoethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
1,2-Dichloroethane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,2-Dichloropropane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
1,3-Dichloropropane	ND		1.0		ug/Kg			07/15/22 10:42	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/15/22 10:42	1
2-Butanone	ND		20		ug/Kg			07/15/22 10:42	1
2-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 10:42	1
2-Hexanone	ND		20		ug/Kg			07/15/22 10:42	1
4-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 10:42	1
4-Methyl-2-pentanone	ND		20		ug/Kg			07/15/22 10:42	1
Acetone	ND		20		ug/Kg			07/15/22 10:42	1
Benzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Bromobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Bromochloromethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Bromodichloromethane	ND		1.0		ug/Kg			07/15/22 10:42	1
Bromoform	ND		5.0		ug/Kg			07/15/22 10:42	1
Bromomethane	ND		20		ug/Kg			07/15/22 10:42	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			07/15/22 10:42	1
Carbon disulfide	ND		10		ug/Kg			07/15/22 10:42	1
Carbon tetrachloride	ND		1.0		ug/Kg			07/15/22 10:42	1
Chlorobenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Chloroethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Chloroform	ND		1.0		ug/Kg			07/15/22 10:42	1
Chloromethane	ND		20		ug/Kg			07/15/22 10:42	1
Dibromochloromethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Dibromomethane	ND		1.0		ug/Kg			07/15/22 10:42	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			07/15/22 10:42	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			07/15/22 10:42	1
Ethanol	ND		250		ug/Kg			07/15/22 10:42	1
Ethylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249502/7
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			07/15/22 10:42	1
Isopropylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Methylene Chloride	ND		10		ug/Kg			07/15/22 10:42	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			07/15/22 10:42	1
Naphthalene	ND		10		ug/Kg			07/15/22 10:42	1
n-Butylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
N-Propylbenzene	ND		2.0		ug/Kg			07/15/22 10:42	1
o-Xylene	ND		1.0		ug/Kg			07/15/22 10:42	1
m,p-Xylene	ND		2.0		ug/Kg			07/15/22 10:42	1
p-Isopropyltoluene	ND		1.0		ug/Kg			07/15/22 10:42	1
sec-Butylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Styrene	ND		1.0		ug/Kg			07/15/22 10:42	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			07/15/22 10:42	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			07/15/22 10:42	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			07/15/22 10:42	1
tert-Butylbenzene	ND		1.0		ug/Kg			07/15/22 10:42	1
Tetrachloroethene	ND		1.0		ug/Kg			07/15/22 10:42	1
Toluene	ND		1.0		ug/Kg			07/15/22 10:42	1
Trichloroethene	ND		2.0		ug/Kg			07/15/22 10:42	1
Trichlorofluoromethane	ND		10		ug/Kg			07/15/22 10:42	1
Vinyl acetate	ND		10		ug/Kg			07/15/22 10:42	1
Vinyl chloride	ND		1.0		ug/Kg			07/15/22 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 142*		*07/15/22 10:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/15/22 10:42*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 123*		*07/15/22 10:42*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/15/22 10:42*	*1*

Lab Sample ID: MB 570-249502/8
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1,1-Trichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			07/15/22 11:03	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg			07/15/22 11:03	50
1,1,2-Trichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1-Dichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,1-Dichloroethene	ND		50		ug/Kg			07/15/22 11:03	50
1,1-Dichloropropene	ND		100		ug/Kg			07/15/22 11:03	50
1,2,3-Trichlorobenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,2,3-Trichloropropane	ND		100		ug/Kg			07/15/22 11:03	50
1,2,4-Trichlorobenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,2,4-Trimethylbenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg			07/15/22 11:03	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249502/8
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		50		ug/Kg			07/15/22 11:03	50
1,2-Dichlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
1,2-Dichloroethane	ND		50		ug/Kg			07/15/22 11:03	50
1,2-Dichloropropane	ND		50		ug/Kg			07/15/22 11:03	50
1,3,5-Trimethylbenzene	ND		100		ug/Kg			07/15/22 11:03	50
1,3-Dichlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
1,3-Dichloropropane	ND		50		ug/Kg			07/15/22 11:03	50
1,4-Dichlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
2,2-Dichloropropane	ND		250		ug/Kg			07/15/22 11:03	50
2-Butanone	ND		1000		ug/Kg			07/15/22 11:03	50
2-Chlorotoluene	ND		50		ug/Kg			07/15/22 11:03	50
2-Hexanone	ND		1000		ug/Kg			07/15/22 11:03	50
4-Chlorotoluene	ND		50		ug/Kg			07/15/22 11:03	50
4-Methyl-2-pentanone	ND		1000		ug/Kg			07/15/22 11:03	50
Acetone	ND		1000		ug/Kg			07/15/22 11:03	50
Benzene	ND		50		ug/Kg			07/15/22 11:03	50
Bromobenzene	ND		50		ug/Kg			07/15/22 11:03	50
Bromochloromethane	ND		100		ug/Kg			07/15/22 11:03	50
Bromodichloromethane	ND		50		ug/Kg			07/15/22 11:03	50
Bromoform	ND		250		ug/Kg			07/15/22 11:03	50
Bromomethane	ND		1000		ug/Kg			07/15/22 11:03	50
cis-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 11:03	50
cis-1,3-Dichloropropene	ND		50		ug/Kg			07/15/22 11:03	50
Carbon disulfide	ND		500		ug/Kg			07/15/22 11:03	50
Carbon tetrachloride	ND		50		ug/Kg			07/15/22 11:03	50
Chlorobenzene	ND		50		ug/Kg			07/15/22 11:03	50
Chloroethane	ND		100		ug/Kg			07/15/22 11:03	50
Chloroform	ND		50		ug/Kg			07/15/22 11:03	50
Chloromethane	ND		1000		ug/Kg			07/15/22 11:03	50
Dibromochloromethane	ND		100		ug/Kg			07/15/22 11:03	50
Dibromomethane	ND		50		ug/Kg			07/15/22 11:03	50
Dichlorodifluoromethane	ND		100		ug/Kg			07/15/22 11:03	50
Di-isopropyl ether (DIPE)	ND		50		ug/Kg			07/15/22 11:03	50
Ethanol	ND		13000		ug/Kg			07/15/22 11:03	50
Ethylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Ethyl-t-butyl ether (ETBE)	ND		50		ug/Kg			07/15/22 11:03	50
Isopropylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Methylene Chloride	ND		500		ug/Kg			07/15/22 11:03	50
Methyl-t-Butyl Ether (MTBE)	ND		100		ug/Kg			07/15/22 11:03	50
Naphthalene	ND		500		ug/Kg			07/15/22 11:03	50
n-Butylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
N-Propylbenzene	ND		100		ug/Kg			07/15/22 11:03	50
o-Xylene	ND		50		ug/Kg			07/15/22 11:03	50
m,p-Xylene	ND		100		ug/Kg			07/15/22 11:03	50
p-Isopropyltoluene	ND		50		ug/Kg			07/15/22 11:03	50
sec-Butylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Styrene	ND		50		ug/Kg			07/15/22 11:03	50
trans-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 11:03	50
trans-1,3-Dichloropropene	ND		100		ug/Kg			07/15/22 11:03	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249502/8
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		50		ug/Kg			07/15/22 11:03	50
tert-Butyl alcohol (TBA)	ND		1000		ug/Kg			07/15/22 11:03	50
tert-Butylbenzene	ND		50		ug/Kg			07/15/22 11:03	50
Tetrachloroethene	ND		50		ug/Kg			07/15/22 11:03	50
Toluene	ND		50		ug/Kg			07/15/22 11:03	50
Trichloroethene	ND		100		ug/Kg			07/15/22 11:03	50
Trichlorofluoromethane	ND		500		ug/Kg			07/15/22 11:03	50
Vinyl acetate	ND		500		ug/Kg			07/15/22 11:03	50
Vinyl chloride	ND		50		ug/Kg			07/15/22 11:03	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 142*		*07/15/22 11:03*	*50*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*		*07/15/22 11:03*	*50*
Dibromofluoromethane (Surr)	*99*		*80 - 123*		*07/15/22 11:03*	*50*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/15/22 11:03*	*50*

Lab Sample ID: LCS 570-249502/4
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			50.0	49.76		ug/Kg		100	70 - 131		
1,2-Dibromoethane			50.0	46.58		ug/Kg		93	80 - 120		
1,2-Dichlorobenzene			50.0	47.36		ug/Kg		95	80 - 120		
1,2-Dichloroethane			50.0	45.20		ug/Kg		90	80 - 120		
Benzene			50.0	46.63		ug/Kg		93	80 - 120		
Carbon tetrachloride			50.0	48.94		ug/Kg		98	80 - 131		
Chlorobenzene			50.0	47.30		ug/Kg		95	80 - 120		
Di-isopropyl ether (DIPE)			50.0	46.08		ug/Kg		92	77 - 130		
Ethanol			500	466.6		ug/Kg		93	66 - 129		
Ethylbenzene			50.0	47.24		ug/Kg		94	80 - 120		
Ethyl-t-butyl ether (ETBE)			50.0	46.56		ug/Kg		93	80 - 135		
Methyl-t-Butyl Ether (MTBE)			50.0	45.41		ug/Kg		91	80 - 122		
o-Xylene			50.0	46.91		ug/Kg		94	80 - 120		
m,p-Xylene			100	93.31		ug/Kg		93	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 142*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 570-249502/5
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	49.49		ug/Kg		99	70 - 131	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-249502/5
Matrix: Solid
Analysis Batch: 249502

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromoethane			50.0	47.26		ug/Kg		95	80 - 120	1	20
1,2-Dichlorobenzene			50.0	47.24		ug/Kg		94	80 - 120	0	20
1,2-Dichloroethane			50.0	45.69		ug/Kg		91	80 - 120	1	20
Benzene			50.0	46.23		ug/Kg		92	80 - 120	1	20
Carbon tetrachloride			50.0	48.95		ug/Kg		98	80 - 131	0	20
Chlorobenzene			50.0	47.20		ug/Kg		94	80 - 120	0	20
Di-isopropyl ether (DIPE)			50.0	46.25		ug/Kg		92	77 - 130	0	20
Ethanol			500	448.3		ug/Kg		90	66 - 129	4	22
Ethylbenzene			50.0	47.04		ug/Kg		94	80 - 120	0	20
Ethyl-t-butyl ether (ETBE)			50.0	46.53		ug/Kg		93	80 - 135	0	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.96		ug/Kg		92	80 - 122	1	20
o-Xylene			50.0	46.81		ug/Kg		94	80 - 120	0	20
m,p-Xylene			100	92.83		ug/Kg		93	80 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 142*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 570-249628/6
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			07/15/22 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/Kg			07/15/22 19:09	1
1,1,2-Trichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1-Dichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1-Dichloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
1,1-Dichloropropene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,3-Trichloropropane	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			07/15/22 19:09	1
1,2-Dibromoethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,2-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
1,2-Dichloroethane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,2-Dichloropropane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
1,3-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
1,3-Dichloropropane	ND		1.0		ug/Kg			07/15/22 19:09	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
2,2-Dichloropropane	ND		5.0		ug/Kg			07/15/22 19:09	1
2-Butanone	ND		20		ug/Kg			07/15/22 19:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249628/6
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 19:09	1
2-Hexanone	ND		20		ug/Kg			07/15/22 19:09	1
4-Chlorotoluene	ND		1.0		ug/Kg			07/15/22 19:09	1
4-Methyl-2-pentanone	ND		20		ug/Kg			07/15/22 19:09	1
Acetone	ND		20		ug/Kg			07/15/22 19:09	1
Benzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Bromobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Bromochloromethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Bromodichloromethane	ND		1.0		ug/Kg			07/15/22 19:09	1
Bromoform	ND		5.0		ug/Kg			07/15/22 19:09	1
Bromomethane	ND		20		ug/Kg			07/15/22 19:09	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg			07/15/22 19:09	1
Carbon disulfide	ND		10		ug/Kg			07/15/22 19:09	1
Carbon tetrachloride	ND		1.0		ug/Kg			07/15/22 19:09	1
Chlorobenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Chloroethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Chloroform	ND		1.0		ug/Kg			07/15/22 19:09	1
Chloromethane	ND		20		ug/Kg			07/15/22 19:09	1
Dibromochloromethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Dibromomethane	ND		1.0		ug/Kg			07/15/22 19:09	1
Dichlorodifluoromethane	ND		2.0		ug/Kg			07/15/22 19:09	1
Di-isopropyl ether (DIPE)	ND		1.0		ug/Kg			07/15/22 19:09	1
Ethanol	ND		250		ug/Kg			07/15/22 19:09	1
Ethylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Ethyl-t-butyl ether (ETBE)	ND		1.0		ug/Kg			07/15/22 19:09	1
Isopropylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Methylene Chloride	ND		10		ug/Kg			07/15/22 19:09	1
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/Kg			07/15/22 19:09	1
Naphthalene	ND		10		ug/Kg			07/15/22 19:09	1
n-Butylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
N-Propylbenzene	ND		2.0		ug/Kg			07/15/22 19:09	1
o-Xylene	ND		1.0		ug/Kg			07/15/22 19:09	1
m,p-Xylene	ND		2.0		ug/Kg			07/15/22 19:09	1
p-Isopropyltoluene	ND		1.0		ug/Kg			07/15/22 19:09	1
sec-Butylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Styrene	ND		1.0		ug/Kg			07/15/22 19:09	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			07/15/22 19:09	1
Tert-amyl-methyl ether (TAME)	ND		1.0		ug/Kg			07/15/22 19:09	1
tert-Butyl alcohol (TBA)	ND		20		ug/Kg			07/15/22 19:09	1
tert-Butylbenzene	ND		1.0		ug/Kg			07/15/22 19:09	1
Tetrachloroethene	ND		1.0		ug/Kg			07/15/22 19:09	1
Toluene	ND		1.0		ug/Kg			07/15/22 19:09	1
Trichloroethene	ND		2.0		ug/Kg			07/15/22 19:09	1
Trichlorofluoromethane	ND		10		ug/Kg			07/15/22 19:09	1
Vinyl acetate	ND		10		ug/Kg			07/15/22 19:09	1
Vinyl chloride	ND		1.0		ug/Kg			07/15/22 19:09	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249628/6
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*80 - 142*		*07/15/22 19:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*07/15/22 19:09*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 123*		*07/15/22 19:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/15/22 19:09*	*1*

Lab Sample ID: MB 570-249628/7
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1,1-Trichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			07/15/22 19:30	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg			07/15/22 19:30	50
1,1,2-Trichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1-Dichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,1-Dichloroethene	ND		50		ug/Kg			07/15/22 19:30	50
1,1-Dichloropropene	ND		100		ug/Kg			07/15/22 19:30	50
1,2,3-Trichlorobenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,2,3-Trichloropropane	ND		100		ug/Kg			07/15/22 19:30	50
1,2,4-Trichlorobenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,2,4-Trimethylbenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg			07/15/22 19:30	50
1,2-Dibromoethane	ND		50		ug/Kg			07/15/22 19:30	50
1,2-Dichlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
1,2-Dichloroethane	ND		50		ug/Kg			07/15/22 19:30	50
1,2-Dichloropropane	ND		50		ug/Kg			07/15/22 19:30	50
1,3,5-Trimethylbenzene	ND		100		ug/Kg			07/15/22 19:30	50
1,3-Dichlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
1,3-Dichloropropane	ND		50		ug/Kg			07/15/22 19:30	50
1,4-Dichlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
2,2-Dichloropropane	ND		250		ug/Kg			07/15/22 19:30	50
2-Butanone	ND		1000		ug/Kg			07/15/22 19:30	50
2-Chlorotoluene	ND		50		ug/Kg			07/15/22 19:30	50
2-Hexanone	ND		1000		ug/Kg			07/15/22 19:30	50
4-Chlorotoluene	ND		50		ug/Kg			07/15/22 19:30	50
4-Methyl-2-pentanone	ND		1000		ug/Kg			07/15/22 19:30	50
Acetone	ND		1000		ug/Kg			07/15/22 19:30	50
Benzene	ND		50		ug/Kg			07/15/22 19:30	50
Bromobenzene	ND		50		ug/Kg			07/15/22 19:30	50
Bromochloromethane	ND		100		ug/Kg			07/15/22 19:30	50
Bromodichloromethane	ND		50		ug/Kg			07/15/22 19:30	50
Bromoform	ND		250		ug/Kg			07/15/22 19:30	50
Bromomethane	ND		1000		ug/Kg			07/15/22 19:30	50
cis-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 19:30	50
cis-1,3-Dichloropropene	ND		50		ug/Kg			07/15/22 19:30	50
Carbon disulfide	ND		500		ug/Kg			07/15/22 19:30	50
Carbon tetrachloride	ND		50		ug/Kg			07/15/22 19:30	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-249628/7
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		50		ug/Kg			07/15/22 19:30	50
Chloroethane	ND		100		ug/Kg			07/15/22 19:30	50
Chloroform	ND		50		ug/Kg			07/15/22 19:30	50
Chloromethane	ND		1000		ug/Kg			07/15/22 19:30	50
Dibromochloromethane	ND		100		ug/Kg			07/15/22 19:30	50
Dibromomethane	ND		50		ug/Kg			07/15/22 19:30	50
Dichlorodifluoromethane	ND		100		ug/Kg			07/15/22 19:30	50
Di-isopropyl ether (DIPE)	ND		50		ug/Kg			07/15/22 19:30	50
Ethanol	ND		13000		ug/Kg			07/15/22 19:30	50
Ethylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Ethyl-t-butyl ether (ETBE)	ND		50		ug/Kg			07/15/22 19:30	50
Isopropylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Methylene Chloride	ND		500		ug/Kg			07/15/22 19:30	50
Methyl-t-Butyl Ether (MTBE)	ND		100		ug/Kg			07/15/22 19:30	50
Naphthalene	ND		500		ug/Kg			07/15/22 19:30	50
n-Butylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
N-Propylbenzene	ND		100		ug/Kg			07/15/22 19:30	50
o-Xylene	ND		50		ug/Kg			07/15/22 19:30	50
m,p-Xylene	ND		100		ug/Kg			07/15/22 19:30	50
p-Isopropyltoluene	ND		50		ug/Kg			07/15/22 19:30	50
sec-Butylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Styrene	ND		50		ug/Kg			07/15/22 19:30	50
trans-1,2-Dichloroethene	ND		50		ug/Kg			07/15/22 19:30	50
trans-1,3-Dichloropropene	ND		100		ug/Kg			07/15/22 19:30	50
Tert-amyl-methyl ether (TAME)	ND		50		ug/Kg			07/15/22 19:30	50
tert-Butyl alcohol (TBA)	ND		1000		ug/Kg			07/15/22 19:30	50
tert-Butylbenzene	ND		50		ug/Kg			07/15/22 19:30	50
Tetrachloroethene	ND		50		ug/Kg			07/15/22 19:30	50
Toluene	ND		50		ug/Kg			07/15/22 19:30	50
Trichloroethene	ND		100		ug/Kg			07/15/22 19:30	50
Trichlorofluoromethane	ND		500		ug/Kg			07/15/22 19:30	50
Vinyl acetate	ND		500		ug/Kg			07/15/22 19:30	50
Vinyl chloride	ND		50		ug/Kg			07/15/22 19:30	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 142*		*07/15/22 19:30*	*50*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*07/15/22 19:30*	*50*
Dibromofluoromethane (Surr)	*101*		*80 - 123*		*07/15/22 19:30*	*50*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/15/22 19:30*	*50*

Lab Sample ID: LCS 570-249628/3
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			50.0	49.05		ug/Kg		98	70 - 131		
1,2-Dibromoethane			50.0	53.93		ug/Kg		108	80 - 120		
1,2-Dichlorobenzene			50.0	54.38		ug/Kg		109	80 - 120		

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-249628/3
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dichloroethane			50.0	48.45		ug/Kg		97	80 - 120		
Benzene			50.0	49.17		ug/Kg		98	80 - 120		
Carbon tetrachloride			50.0	48.59		ug/Kg		97	80 - 131		
Chlorobenzene			50.0	50.89		ug/Kg		102	80 - 120		
Di-isopropyl ether (DIPE)			50.0	48.14		ug/Kg		96	77 - 130		
Ethanol			500	639.8		ug/Kg		128	66 - 129		
Ethylbenzene			50.0	50.91		ug/Kg		102	80 - 120		
Ethyl-t-butyl ether (ETBE)			50.0	48.72		ug/Kg		97	80 - 135		
Methyl-t-Butyl Ether (MTBE)			50.0	49.37		ug/Kg		99	80 - 122		
o-Xylene			50.0	51.36		ug/Kg		103	80 - 120		
m,p-Xylene			100	100.5		ug/Kg		101	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*80 - 142*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-249628/4
Matrix: Solid
Analysis Batch: 249628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene			50.0	43.35		ug/Kg		87	70 - 131	12	20
1,2-Dibromoethane			50.0	47.79		ug/Kg		96	80 - 120	12	20
1,2-Dichlorobenzene			50.0	47.31		ug/Kg		95	80 - 120	14	20
1,2-Dichloroethane			50.0	43.84		ug/Kg		88	80 - 120	10	20
Benzene			50.0	43.97		ug/Kg		88	80 - 120	11	20
Carbon tetrachloride			50.0	43.49		ug/Kg		87	80 - 131	11	20
Chlorobenzene			50.0	44.98		ug/Kg		90	80 - 120	12	20
Di-isopropyl ether (DIPE)			50.0	44.22		ug/Kg		88	77 - 130	8	20
Ethanol			500	620.3		ug/Kg		124	66 - 129	3	22
Ethylbenzene			50.0	44.38		ug/Kg		89	80 - 120	14	20
Ethyl-t-butyl ether (ETBE)			50.0	44.84		ug/Kg		90	80 - 135	8	20
Methyl-t-Butyl Ether (MTBE)			50.0	45.45		ug/Kg		91	80 - 122	8	20
o-Xylene			50.0	44.71		ug/Kg		89	80 - 120	14	20
m,p-Xylene			100	87.63		ug/Kg		88	80 - 120	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*80 - 142*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-249519/5
Matrix: Solid
Analysis Batch: 249519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.099		mg/Kg			07/15/22 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*42 - 126*		*07/15/22 12:00*	*1*

Lab Sample ID: LCS 570-249519/3
Matrix: Solid
Analysis Batch: 249519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			1.98	2.036		mg/Kg		103	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*

Lab Sample ID: LCSD 570-249519/4
Matrix: Solid
Analysis Batch: 249519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.98	2.206		mg/Kg		111	70 - 124	8	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*75*		*42 - 126*

Lab Sample ID: MB 570-250244/5
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		0.098		mg/Kg			07/19/22 14:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*42 - 126*		*07/19/22 14:22*	*1*

Lab Sample ID: MB 570-250244/6
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C4-C12)	ND		2.0		mg/Kg			07/19/22 14:45	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*42 - 126*		*07/19/22 14:45*	*20*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 570-250244/3
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			1.99	2.033		mg/Kg		102	70 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*42 - 126*

Lab Sample ID: LCSD 570-250244/4
Matrix: Solid
Analysis Batch: 250244

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			1.96	1.985		mg/Kg		101	70 - 124	2	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*42 - 126*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 570-249541/1-A
Matrix: Solid
Analysis Batch: 249850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249541

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C7 as C7	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C8 as C8	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C9-C10	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C11-C12	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C13-C14	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C15-C16	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C17-C18	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C19-C20	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C21-C22	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C23-C24	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C25-C28	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C29-C32	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C33-C36	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C37-C40	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C41-C44	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
C6-C44	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		07/15/22 10:40	07/18/22 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*126*		*60 - 138*	*07/15/22 10:40*	*07/18/22 12:26*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-249541/2-A
Matrix: Solid
Analysis Batch: 249850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	459.9		mg/Kg		115	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*128*		*60 - 138*

Lab Sample ID: LCSD 570-249541/3-A
Matrix: Solid
Analysis Batch: 249850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249541

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	454.0		mg/Kg		114	80 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*124*		*60 - 138*

Lab Sample ID: MB 570-250239/1-A
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250239

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
C6 as C6	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C7 as C7	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C8 as C8	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C9-C10	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C11-C12	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C13-C14	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C15-C16	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C17-C18	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C19-C20	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C21-C22	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C23-C24	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C25-C28	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C29-C32	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C33-C36	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C37-C40	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C41-C44	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
C6-C44	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1
Diesel Range Organics [C10-C28]	ND		5.0		mg/Kg		07/19/22 11:49	07/19/22 17:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*109*		*60 - 138*	*07/19/22 11:49*	*07/19/22 17:12*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 570-250239/2-A
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250239

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			400	453.6		mg/Kg		113	80 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: LCSD 570-250239/3-A
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250239

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			400	461.9		mg/Kg		115	80 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*108*		*60 - 138*

Lab Sample ID: 570-103103-11 MS
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: SP-UST-North
Prep Type: Total/NA
Prep Batch: 250239

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	22		394	543.7		mg/Kg		132	43 - 165		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*107*		*60 - 138*

Lab Sample ID: 570-103103-11 MSD
Matrix: Solid
Analysis Batch: 250214

Client Sample ID: SP-UST-North
Prep Type: Total/NA
Prep Batch: 250239

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	22		393	492.2		mg/Kg		120	43 - 165	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*120*		*60 - 138*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-249451/1-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249451

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Arsenic	ND		2.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Barium	ND		2.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-249451/1-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249451

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.498		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Cadmium	ND		0.498		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Chromium	ND		0.995		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Cobalt	ND		0.995		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Copper	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Lead	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Molybdenum	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Nickel	ND		1.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Selenium	ND		2.99		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Silver	ND		1.49		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Thallium	ND		9.95		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Vanadium	ND		0.995		mg/Kg		07/15/22 08:30	07/15/22 12:51	5
Zinc	ND		4.98		mg/Kg		07/15/22 08:30	07/15/22 12:51	5

Lab Sample ID: LCS 570-249451/2-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249451

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			50.8	54.80		mg/Kg		108	80 - 120		
Arsenic			50.8	51.52		mg/Kg		102	80 - 120		
Barium			50.8	51.45		mg/Kg		101	80 - 120		
Beryllium			50.8	50.62		mg/Kg		100	80 - 120		
Cadmium			50.8	50.06		mg/Kg		99	80 - 120		
Chromium			50.8	51.78		mg/Kg		102	80 - 120		
Cobalt			50.8	50.11		mg/Kg		99	80 - 120		
Copper			50.8	50.70		mg/Kg		100	80 - 120		
Lead			50.8	51.41		mg/Kg		101	80 - 120		
Molybdenum			50.8	52.31		mg/Kg		103	80 - 120		
Nickel			50.8	51.45		mg/Kg		101	80 - 120		
Selenium			50.8	48.21		mg/Kg		95	80 - 120		
Silver			25.4	25.62		mg/Kg		101	80 - 120		
Thallium			50.8	49.78		mg/Kg		98	80 - 120		
Vanadium			50.8	50.89		mg/Kg		100	80 - 120		
Zinc			50.8	50.09		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 570-249451/3-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249451

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony			49.8	52.45		mg/Kg		105	80 - 120	4	20
Arsenic			49.8	48.71		mg/Kg		98	80 - 120	6	20
Barium			49.8	50.20		mg/Kg		101	80 - 120	2	20
Beryllium			49.8	49.49		mg/Kg		99	80 - 120	2	20
Cadmium			49.8	48.58		mg/Kg		98	80 - 120	3	20
Chromium			49.8	50.44		mg/Kg		101	80 - 120	3	20
Cobalt			49.8	48.93		mg/Kg		98	80 - 120	2	20
Copper			49.8	49.66		mg/Kg		100	80 - 120	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-249451/3-A ^5
Matrix: Solid
Analysis Batch: 249591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249451

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	49.8	49.74		mg/Kg		100	80 - 120	3	20
Molybdenum	49.8	51.55		mg/Kg		104	80 - 120	1	20
Nickel	49.8	50.22		mg/Kg		101	80 - 120	2	20
Selenium	49.8	46.54		mg/Kg		94	80 - 120	4	20
Silver	24.9	25.09		mg/Kg		101	80 - 120	2	20
Thallium	49.8	48.36		mg/Kg		97	80 - 120	3	20
Vanadium	49.8	49.69		mg/Kg		100	80 - 120	2	20
Zinc	49.8	48.62		mg/Kg		98	80 - 120	3	20

Lab Sample ID: MB 570-249804/1-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249804

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.80		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Arsenic	ND		2.94		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Barium	ND		2.94		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Beryllium	ND		0.490		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Cadmium	ND		0.490		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Chromium	ND		0.980		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Cobalt	ND		0.980		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Copper	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Lead	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Molybdenum	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Nickel	ND		1.96		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Selenium	ND		2.94		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Silver	ND		1.47		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Thallium	ND		9.80		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Vanadium	ND		0.980		mg/Kg		07/18/22 10:15	07/19/22 13:47	5
Zinc	ND		4.90		mg/Kg		07/18/22 10:15	07/19/22 13:47	5

Lab Sample ID: LCS 570-249804/2-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.3	51.65		mg/Kg		103	80 - 120
Arsenic	50.3	43.30		mg/Kg		86	80 - 120
Barium	50.3	43.93		mg/Kg		87	80 - 120
Beryllium	50.3	43.44		mg/Kg		86	80 - 120
Cadmium	50.3	43.15		mg/Kg		86	80 - 120
Chromium	50.3	43.93		mg/Kg		87	80 - 120
Cobalt	50.3	43.43		mg/Kg		86	80 - 120
Copper	50.3	43.61		mg/Kg		87	80 - 120
Lead	50.3	43.81		mg/Kg		87	80 - 120
Molybdenum	50.3	44.20		mg/Kg		88	80 - 120
Nickel	50.3	44.36		mg/Kg		88	80 - 120
Selenium	50.3	40.52		mg/Kg		81	80 - 120
Silver	25.1	22.05		mg/Kg		88	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-249804/2-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249804

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	50.3	43.57		mg/Kg		87	80 - 120
Vanadium	50.3	43.78		mg/Kg		87	80 - 120
Zinc	50.3	42.61		mg/Kg		85	80 - 120

Lab Sample ID: LCSD 570-249804/3-A ^5
Matrix: Solid
Analysis Batch: 250354

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249804

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.8	51.81		mg/Kg		102	80 - 120	0	20
Arsenic	50.8	43.98		mg/Kg		87	80 - 120	2	20
Barium	50.8	45.04		mg/Kg		89	80 - 120	2	20
Beryllium	50.8	44.47		mg/Kg		88	80 - 120	2	20
Cadmium	50.8	44.31		mg/Kg		87	80 - 120	3	20
Chromium	50.8	44.96		mg/Kg		89	80 - 120	2	20
Cobalt	50.8	44.42		mg/Kg		88	80 - 120	2	20
Copper	50.8	44.72		mg/Kg		88	80 - 120	3	20
Lead	50.8	44.73		mg/Kg		88	80 - 120	2	20
Molybdenum	50.8	45.66		mg/Kg		90	80 - 120	3	20
Nickel	50.8	45.25		mg/Kg		89	80 - 120	2	20
Selenium	50.8	42.02		mg/Kg		83	80 - 120	4	20
Silver	25.4	22.61		mg/Kg		89	80 - 120	3	20
Thallium	50.8	44.52		mg/Kg		88	80 - 120	2	20
Vanadium	50.8	44.91		mg/Kg		88	80 - 120	3	20
Zinc	50.8	44.23		mg/Kg		87	80 - 120	4	20

Lab Sample ID: MB 570-250204/1-A ^5
Matrix: Solid
Analysis Batch: 250336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250204

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.95	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Arsenic	ND		2.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Barium	ND		2.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Beryllium	ND		0.498	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Cadmium	ND		0.498	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Chromium	ND		0.995	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Cobalt	ND		0.995	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Copper	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Lead	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Molybdenum	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Nickel	ND		1.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Selenium	ND		2.99	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Silver	ND		1.49	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Thallium	ND		9.95	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Vanadium	ND		0.995	mg/Kg		07/19/22 10:45	07/19/22 15:42	5
Zinc	ND		4.98	mg/Kg		07/19/22 10:45	07/19/22 15:42	5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-250204/2-A ^5
Matrix: Solid
Analysis Batch: 250336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	49.5	52.35		mg/Kg		106	80 - 120
Arsenic	49.5	48.35		mg/Kg		98	80 - 120
Barium	49.5	48.55		mg/Kg		98	80 - 120
Beryllium	49.5	47.82		mg/Kg		97	80 - 120
Cadmium	49.5	47.69		mg/Kg		96	80 - 120
Chromium	49.5	48.48		mg/Kg		98	80 - 120
Cobalt	49.5	47.74		mg/Kg		96	80 - 120
Copper	49.5	48.12		mg/Kg		97	80 - 120
Lead	49.5	48.17		mg/Kg		97	80 - 120
Molybdenum	49.5	49.31		mg/Kg		100	80 - 120
Nickel	49.5	48.71		mg/Kg		98	80 - 120
Selenium	49.5	45.47		mg/Kg		92	80 - 120
Silver	24.8	24.26		mg/Kg		98	80 - 120
Thallium	49.5	47.31		mg/Kg		96	80 - 120
Vanadium	49.5	48.04		mg/Kg		97	80 - 120
Zinc	49.5	47.10		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 570-250204/3-A ^5
Matrix: Solid
Analysis Batch: 250336

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250204

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	50.8	55.69		mg/Kg		110	80 - 120	6	20
Arsenic	50.8	50.28		mg/Kg		99	80 - 120	4	20
Barium	50.8	50.58		mg/Kg		100	80 - 120	4	20
Beryllium	50.8	49.95		mg/Kg		98	80 - 120	4	20
Cadmium	50.8	49.35		mg/Kg		97	80 - 120	3	20
Chromium	50.8	50.55		mg/Kg		100	80 - 120	4	20
Cobalt	50.8	49.39		mg/Kg		97	80 - 120	3	20
Copper	50.8	50.18		mg/Kg		99	80 - 120	4	20
Lead	50.8	50.36		mg/Kg		99	80 - 120	4	20
Molybdenum	50.8	51.76		mg/Kg		102	80 - 120	5	20
Nickel	50.8	50.88		mg/Kg		100	80 - 120	4	20
Selenium	50.8	47.58		mg/Kg		94	80 - 120	5	20
Silver	25.4	25.30		mg/Kg		100	80 - 120	4	20
Thallium	50.8	49.67		mg/Kg		98	80 - 120	5	20
Vanadium	50.8	50.11		mg/Kg		99	80 - 120	4	20
Zinc	50.8	49.14		mg/Kg		97	80 - 120	4	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-249412/1-A
Matrix: Solid
Analysis Batch: 249651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249412

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0850	mg/Kg		07/14/22 22:44	07/15/22 14:08	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-249412/2-A
Matrix: Solid
Analysis Batch: 249651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.408	0.3952		mg/Kg		97	85 - 121

Lab Sample ID: LCSD 570-249412/3-A
Matrix: Solid
Analysis Batch: 249651

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249412

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.392	0.3916		mg/Kg		100	85 - 121	1	10

Lab Sample ID: MB 570-249956/1-A
Matrix: Solid
Analysis Batch: 250060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249956

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0868	mg/Kg		07/18/22 14:00	07/18/22 17:32	1

Lab Sample ID: LCS 570-249956/2-A
Matrix: Solid
Analysis Batch: 250060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.408	0.3911		mg/Kg		96	85 - 121

Lab Sample ID: LCSD 570-249956/3-A
Matrix: Solid
Analysis Batch: 250060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 249956

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.385	0.3675		mg/Kg		96	85 - 121	6	10

Lab Sample ID: MB 570-250206/1-A
Matrix: Solid
Analysis Batch: 250298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 250206

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833	mg/Kg		07/19/22 10:38	07/19/22 13:28	1

Lab Sample ID: LCS 570-250206/2-A
Matrix: Solid
Analysis Batch: 250298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 250206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.400	0.3544		mg/Kg		89	85 - 121

Lab Sample ID: LCSD 570-250206/3-A
Matrix: Solid
Analysis Batch: 250298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 250206

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.400	0.3685		mg/Kg		92	85 - 121	4	10

GC/MS VOA

Analysis Batch: 249502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-2	0714-6-WEST	Total/NA	Solid	8260B	249540
570-103103-5	0714-4-WEST	Total/NA	Solid	8260B	249540
570-103103-6	0714-4-EAST	Total/NA	Solid	8260B	249540
570-103103-7	0714-3-WEST	Total/NA	Solid	8260B	249540
570-103103-8	0714-3-EAST	Total/NA	Solid	8260B	249540
570-103103-9	0714-2-WEST	Total/NA	Solid	8260B	249540
570-103103-10	0714-2-EAST	Total/NA	Solid	8260B	249540
570-103103-11	SP-UST-North	Total/NA	Solid	8260B	249540
MB 570-249502/7	Method Blank	Total/NA	Solid	8260B	
MB 570-249502/8	Method Blank	Total/NA	Solid	8260B	
LCS 570-249502/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-249502/5	Lab Control Sample Dup	Total/NA	Solid	8260B	

Prep Batch: 249540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	5035	
570-103103-2	0714-6-WEST	Total/NA	Solid	5035	
570-103103-3	0714-5-WEST	Total/NA	Solid	5035	
570-103103-4	0714-5-EAST	Total/NA	Solid	5035	
570-103103-5	0714-4-WEST	Total/NA	Solid	5035	
570-103103-6	0714-4-EAST	Total/NA	Solid	5035	
570-103103-7	0714-3-WEST	Total/NA	Solid	5035	
570-103103-8	0714-3-EAST	Total/NA	Solid	5035	
570-103103-9	0714-2-WEST	Total/NA	Solid	5035	
570-103103-10	0714-2-EAST	Total/NA	Solid	5035	
570-103103-11	SP-UST-North	Total/NA	Solid	5035	
570-103103-12	SP-UST-South	Total/NA	Solid	5035	
570-103103-13	SP-1166	Total/NA	Solid	5035	

Analysis Batch: 249628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	8260B	249540
570-103103-3	0714-5-WEST	Total/NA	Solid	8260B	249540
570-103103-4	0714-5-EAST	Total/NA	Solid	8260B	249540
570-103103-12	SP-UST-South	Total/NA	Solid	8260B	249540
570-103103-13	SP-1166	Total/NA	Solid	8260B	249540
MB 570-249628/6	Method Blank	Total/NA	Solid	8260B	
MB 570-249628/7	Method Blank	Total/NA	Solid	8260B	
LCS 570-249628/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 570-249628/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC VOA

Analysis Batch: 249519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	8015B	249540
570-103103-2	0714-6-WEST	Total/NA	Solid	8015B	249540
570-103103-3	0714-5-WEST	Total/NA	Solid	8015B	249540
570-103103-4	0714-5-EAST	Total/NA	Solid	8015B	249540
570-103103-5	0714-4-WEST	Total/NA	Solid	8015B	249540
570-103103-6	0714-4-EAST	Total/NA	Solid	8015B	249540

GC VOA (Continued)

Analysis Batch: 249519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-10	0714-2-EAST	Total/NA	Solid	8015B	249540
570-103103-11	SP-UST-North	Total/NA	Solid	8015B	249540
570-103103-12	SP-UST-South	Total/NA	Solid	8015B	249540
570-103103-13	SP-1166	Total/NA	Solid	8015B	249540
MB 570-249519/5	Method Blank	Total/NA	Solid	8015B	
LCS 570-249519/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-249519/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

Prep Batch: 249540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	5035	
570-103103-2	0714-6-WEST	Total/NA	Solid	5035	
570-103103-3	0714-5-WEST	Total/NA	Solid	5035	
570-103103-4	0714-5-EAST	Total/NA	Solid	5035	
570-103103-5	0714-4-WEST	Total/NA	Solid	5035	
570-103103-6	0714-4-EAST	Total/NA	Solid	5035	
570-103103-7	0714-3-WEST	Total/NA	Solid	5035	
570-103103-8	0714-3-EAST	Total/NA	Solid	5035	
570-103103-9	0714-2-WEST	Total/NA	Solid	5035	
570-103103-10	0714-2-EAST	Total/NA	Solid	5035	
570-103103-11	SP-UST-North	Total/NA	Solid	5035	
570-103103-12	SP-UST-South	Total/NA	Solid	5035	
570-103103-13	SP-1166	Total/NA	Solid	5035	

Analysis Batch: 250244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	8015B	249540
570-103103-8	0714-3-EAST	Total/NA	Solid	8015B	249540
570-103103-9	0714-2-WEST	Total/NA	Solid	8015B	249540
MB 570-250244/5	Method Blank	Total/NA	Solid	8015B	
MB 570-250244/6	Method Blank	Total/NA	Solid	8015B	
LCS 570-250244/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 570-250244/4	Lab Control Sample Dup	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 249541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	3550C	
570-103103-2	0714-6-WEST	Total/NA	Solid	3550C	
570-103103-3	0714-5-WEST	Total/NA	Solid	3550C	
570-103103-4	0714-5-EAST	Total/NA	Solid	3550C	
MB 570-249541/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-249541/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-249541/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 249850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	8015B	249541
570-103103-2	0714-6-WEST	Total/NA	Solid	8015B	249541
570-103103-3	0714-5-WEST	Total/NA	Solid	8015B	249541

GC Semi VOA (Continued)

Analysis Batch: 249850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-4	0714-5-EAST	Total/NA	Solid	8015B	249541
MB 570-249541/1-A	Method Blank	Total/NA	Solid	8015B	249541
LCS 570-249541/2-A	Lab Control Sample	Total/NA	Solid	8015B	249541
LCSD 570-249541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	249541

Analysis Batch: 250214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	8015B	250239
570-103103-12	SP-UST-South	Total/NA	Solid	8015B	250239
570-103103-13	SP-1166	Total/NA	Solid	8015B	250239
MB 570-250239/1-A	Method Blank	Total/NA	Solid	8015B	250239
LCS 570-250239/2-A	Lab Control Sample	Total/NA	Solid	8015B	250239
LCSD 570-250239/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	250239
570-103103-11 MS	SP-UST-North	Total/NA	Solid	8015B	250239
570-103103-11 MSD	SP-UST-North	Total/NA	Solid	8015B	250239

Prep Batch: 250239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	3550C	
570-103103-12	SP-UST-South	Total/NA	Solid	3550C	
570-103103-13	SP-1166	Total/NA	Solid	3550C	
MB 570-250239/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 570-250239/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 570-250239/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
570-103103-11 MS	SP-UST-North	Total/NA	Solid	3550C	
570-103103-11 MSD	SP-UST-North	Total/NA	Solid	3550C	

Metals

Prep Batch: 249412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	7471A	
MB 570-249412/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-249412/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-249412/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 249451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	3050B	
MB 570-249451/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-249451/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-249451/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 249591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	6010B	249451
MB 570-249451/1-A ^5	Method Blank	Total/NA	Solid	6010B	249451
LCS 570-249451/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	249451
LCSD 570-249451/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	249451

Metals

Analysis Batch: 249651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-1	0714-6-EAST	Total/NA	Solid	7471A	249412
MB 570-249412/1-A	Method Blank	Total/NA	Solid	7471A	249412
LCS 570-249412/2-A	Lab Control Sample	Total/NA	Solid	7471A	249412
LCSD 570-249412/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	249412

Prep Batch: 249804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	3050B	
MB 570-249804/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-249804/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-249804/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 249956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	7471A	
MB 570-249956/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-249956/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-249956/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 250060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	7471A	249956
MB 570-249956/1-A	Method Blank	Total/NA	Solid	7471A	249956
LCS 570-249956/2-A	Lab Control Sample	Total/NA	Solid	7471A	249956
LCSD 570-249956/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	249956

Prep Batch: 250204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	3050B	
570-103103-12	SP-UST-South	Total/NA	Solid	3050B	
570-103103-13	SP-1166	Total/NA	Solid	3050B	
MB 570-250204/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-250204/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-250204/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Prep Batch: 250206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	7471A	
570-103103-12	SP-UST-South	Total/NA	Solid	7471A	
570-103103-13	SP-1166	Total/NA	Solid	7471A	
MB 570-250206/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-250206/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-250206/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 250298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	7471A	250206
570-103103-12	SP-UST-South	Total/NA	Solid	7471A	250206
570-103103-13	SP-1166	Total/NA	Solid	7471A	250206
MB 570-250206/1-A	Method Blank	Total/NA	Solid	7471A	250206
LCS 570-250206/2-A	Lab Control Sample	Total/NA	Solid	7471A	250206

Metals (Continued)

Analysis Batch: 250298 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-250206/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	250206

Analysis Batch: 250336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-11	SP-UST-North	Total/NA	Solid	6010B	250204
570-103103-12	SP-UST-South	Total/NA	Solid	6010B	250204
570-103103-13	SP-1166	Total/NA	Solid	6010B	250204
MB 570-250204/1-A ^5	Method Blank	Total/NA	Solid	6010B	250204
LCS 570-250204/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	250204
LCSD 570-250204/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	250204

Analysis Batch: 250354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-103103-7	0714-3-WEST	Total/NA	Solid	6010B	249804
MB 570-249804/1-A ^5	Method Blank	Total/NA	Solid	6010B	249804
LCS 570-249804/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	249804
LCSD 570-249804/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	249804

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-6-EAST

Date Collected: 07/14/22 14:25
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.464 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 21:15	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			5.312 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 14:45	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.17 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 15:22	N1A	EET CAL
	Instrument ID: GC69A									
Total/NA	Prep	3050B			2.00 g	50 mL	249451	07/15/22 08:30		EET CAL
Total/NA	Analysis	6010B		5			249591	07/15/22 13:31	K1UV	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.50 g	50 mL	249412	07/14/22 22:44	SR3N	EET CAL
Total/NA	Analysis	7471A		1			249651	07/15/22 14:21	UWCT	EET CAL
	Instrument ID: HG7									

Client Sample ID: 0714-6-WEST

Date Collected: 07/14/22 14:20
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.196 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 14:31	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			4.684 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 15:08	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.14 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 15:47	N1A	EET CAL
	Instrument ID: GC69A									

Client Sample ID: 0714-5-WEST

Date Collected: 07/14/22 14:03
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.595 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 21:36	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			4.575 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 15:32	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.18 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 16:12	N1A	EET CAL
	Instrument ID: GC69A									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-5-EAST

Lab Sample ID: 570-103103-4

Date Collected: 07/14/22 14:10

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.532 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 21:57	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			5.49 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 17:05	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.15 g	10 mL	249541	07/15/22 10:40	USUL	EET CAL
Total/NA	Analysis	8015B		1			249850	07/18/22 16:37	N1A	EET CAL
	Instrument ID: GC69A									

Client Sample ID: 0714-4-WEST

Lab Sample ID: 570-103103-5

Date Collected: 07/14/22 12:51

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.022 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 15:33	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.882 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 17:29	U1MC	EET CAL
	Instrument ID: GC56									

Client Sample ID: 0714-4-EAST

Lab Sample ID: 570-103103-6

Date Collected: 07/14/22 12:57

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.768 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 15:54	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.123 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 17:52	U1MC	EET CAL
	Instrument ID: GC56									

Client Sample ID: 0714-3-WEST

Lab Sample ID: 570-103103-7

Date Collected: 07/14/22 11:52

Matrix: Solid

Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.38 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		2000	5 mL	5 mL	249502	07/15/22 17:38	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.38 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		500	5 mL	5 mL	250244	07/19/22 15:56	A9VE	EET CAL
	Instrument ID: GC1									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: 0714-3-WEST

Lab Sample ID: 570-103103-7

Date Collected: 07/14/22 11:52
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	249804	07/18/22 10:15		EET CAL 4
Total/NA	Analysis	6010B		5			250354	07/19/22 15:04	VZ0K	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	249956	07/18/22 14:00	CS5Z	EET CAL
Total/NA	Analysis	7471A		1			250060	07/18/22 17:45	UWCT	EET CAL
	Instrument ID: HG7									

Client Sample ID: 0714-3-EAST

Lab Sample ID: 570-103103-8

Date Collected: 07/14/22 11:54
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.485 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 16:15	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			5.833 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	250244	07/19/22 15:32	A9VE	EET CAL
	Instrument ID: GC1									

Client Sample ID: 0714-2-WEST

Lab Sample ID: 570-103103-9

Date Collected: 07/14/22 10:50
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.012 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 16:36	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.559 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	250244	07/19/22 15:09	A9VE	EET CAL
	Instrument ID: GC1									

Client Sample ID: 0714-2-EAST

Lab Sample ID: 570-103103-10

Date Collected: 07/14/22 11:10
Matrix: Solid
Date Received: 07/14/22 16:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.92 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		50	5 mL	5 mL	249502	07/15/22 17:59	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			6.095 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 19:26	U1MC	EET CAL
	Instrument ID: GC56									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: SP-UST-North

Date Collected: 07/14/22 13:02
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.042 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249502	07/15/22 16:57	U4JL	EET CAL
	Instrument ID: GCMSGGG									
Total/NA	Prep	5035			4.885 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 19:49	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.12 g	10 mL	250239	07/19/22 11:49	USUL	EET CAL
Total/NA	Analysis	8015B		1			250214	07/19/22 19:18	N5Y3	EET CAL
	Instrument ID: GC69A									
Total/NA	Prep	3050B			1.96 g	50 mL	250204	07/19/22 10:45		EET CAL
Total/NA	Analysis	6010B		5			250336	07/19/22 16:16	VZ0K	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	250206	07/19/22 10:38		EET CAL
Total/NA	Analysis	7471A		1			250298	07/19/22 13:41	C0YH	EET CAL
	Instrument ID: HG7									

Client Sample ID: SP-UST-South

Date Collected: 07/14/22 13:07
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.103 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		1	5 mL	5 mL	249628	07/15/22 22:18	AJ4K	EET CAL
	Instrument ID: GCMSQ									
Total/NA	Prep	5035			5.668 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 20:13	U1MC	EET CAL
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.16 g	10 mL	250239	07/19/22 11:49	USUL	EET CAL
Total/NA	Analysis	8015B		1			250214	07/19/22 19:44	N5Y3	EET CAL
	Instrument ID: GC69A									
Total/NA	Prep	3050B			1.95 g	50 mL	250204	07/19/22 10:45		EET CAL
Total/NA	Analysis	6010B		5			250336	07/19/22 16:18	VZ0K	EET CAL
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.51 g	50 mL	250206	07/19/22 10:38		EET CAL
Total/NA	Analysis	7471A		1			250298	07/19/22 13:43	C0YH	EET CAL
	Instrument ID: HG7									

Client Sample ID: SP-1166

Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.59 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8260B		50	5 mL	5 mL	249628	07/15/22 22:39	AJ4K	EET CAL
	Instrument ID: GCMSQ									

Lab Chronicle

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Client Sample ID: SP-1166

Date Collected: 07/14/22 13:33
Date Received: 07/14/22 16:56

Lab Sample ID: 570-103103-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.352 g	5 mL	249540	07/15/22 10:36	WBF8	EET CAL 4
Total/NA	Analysis	8015B		1	5 g	5 mL	249519	07/15/22 20:36	U1MC	EET CAL 4
	Instrument ID: GC56									
Total/NA	Prep	3550C			10.11 g	10 mL	250239	07/19/22 11:49	USUL	EET CAL 4
Total/NA	Analysis	8015B		1			250214	07/19/22 20:09	N5Y3	EET CAL 4
	Instrument ID: GC69A									
Total/NA	Prep	3050B			2.00 g	50 mL	250204	07/19/22 10:45		EET CAL 4
Total/NA	Analysis	6010B		5			250336	07/19/22 16:21	VZ0K	EET CAL 4
	Instrument ID: ICP10									
Total/NA	Prep	7471A			0.49 g	50 mL	250206	07/19/22 10:38		EET CAL 4
Total/NA	Analysis	7471A		1			250298	07/19/22 13:45	C0YH	EET CAL 4
	Instrument ID: HG7									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Citadel Environmental Services Inc
Job ID: 570-103103-1
Project/Site: 1185 Sunset Blvd.

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-22

Method Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET CAL 4
8015B	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4
3550C	Ultrasonic Extraction	SW846	EET CAL 4
5035	Closed System Purge and Trap	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Citadel Environmental Services Inc
Project/Site: 1185 Sunset Blvd.

Job ID: 570-103103-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-103103-1	0714-6-EAST	Solid	07/14/22 14:25	07/14/22 16:56
570-103103-2	0714-6-WEST	Solid	07/14/22 14:20	07/14/22 16:56
570-103103-3	0714-5-WEST	Solid	07/14/22 14:03	07/14/22 16:56
570-103103-4	0714-5-EAST	Solid	07/14/22 14:10	07/14/22 16:56
570-103103-5	0714-4-WEST	Solid	07/14/22 12:51	07/14/22 16:56
570-103103-6	0714-4-EAST	Solid	07/14/22 12:57	07/14/22 16:56
570-103103-7	0714-3-WEST	Solid	07/14/22 11:52	07/14/22 16:56
570-103103-8	0714-3-EAST	Solid	07/14/22 11:54	07/14/22 16:56
570-103103-9	0714-2-WEST	Solid	07/14/22 10:50	07/14/22 16:56
570-103103-10	0714-2-EAST	Solid	07/14/22 11:10	07/14/22 16:56
570-103103-11	SP-UST-North	Solid	07/14/22 13:02	07/14/22 16:56
570-103103-12	SP-UST-South	Solid	07/14/22 13:07	07/14/22 16:56
570-103103-13	SP-1166	Solid	07/14/22 13:33	07/14/22 16:56

Patel, Virendra

From: Scott Grasse <SGrasse@citadelehs.com>
Sent: Friday, July 15, 2022 6:59 AM
To: Patel, Virendra
Subject: RE: analyses modifications for ECI Project#57011761 - 1185 Sunset

EXTERNAL EMAIL*

To clarify, remove the independent analysis for ethanol since ethanol will come be reported with oxygenates.

Scott Grasse, PG, MSc
Project Geologist
CITADEL EHS
assess • resolve • strengthen
Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
www.CitadelEHS.com
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From: Scott Grasse
Sent: Friday, July 15, 2022 6:52 AM
To: Patel, Virendra <Virendra.Patel@et.eurofinsus.com>
Cc: Ovalle, Erick <Erick.Ovalle@et.eurofinsus.com>
Subject: analyses modifications for ECI Project#57011761 - 1185 Sunset

Virendra,

Please cancel the request for ethanol analyses for all samples on this project. Also, please add TPH full carbon chain and T22 metals 6010B/7471A for sample 0714-3-WEST.

Thank you, Scott

Scott Grasse, PG, MSc
Project Geologist

CITADEL EHS
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Long Beach Office
2525 Cherry Ave., Suite 105
Signal Hill, CA 90755
Direct: 562.547.3061 | **Office:** 818.246.2707
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570-103103 Chain of Custody

CHA...

DATE: .

PAGE: 1

2841 Dow Avenue, Suite 100 Tustin CA 92780-7211 • (714) 895-5494

LABORATORY CLIENT: Citadel EHS

ADDRESS: 1725 Victory Blvd

CITY: Glendale STATE: CA ZIP: 91201

TEL: 562-547-3061 E-MAIL: sgrasse@citadelehs.com

CLIENT PROJECT NAME / NUMBER: 1145 Sunset Blvd

PO NO.: 0942.10

PROJECT CONTACT: Scott Grasse

SAMPLER(S): (PRINT) Scott Grasse

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD')

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF | GLOBAL ID: | ECI PROJECT NO. | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT	Unpreserved	Preserved	Field Filtered	☒ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH	BTEX / MTBE ☒ 8260 ☐	VOCs (8260) + Naphthalene	Oxygenates (8260)	Prep (5035) ☐ En Core ☒ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Ethanol
1	0714-6-EAST	7/14/22	14:25	Soil	5-5035 1-402	X	X		X		X		X	X	X	X					X		X
2	0714-6-WEST		14:20								X										X		
3	0714-5-WEST		14:03								X										X		
4	0714-5-EAST		14:10								X										X		
5	0714-4-WEST		12:51																				
6	0714-4-EAST		12:57																				
7	0714-3-WEST		11:52																				
8	0714-3-EAST		11:54																				
9	0714-2-WEST		10:50																				
10	0714-2-EAST		11:10																				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Scott Grasse	[signature]	7/14/22	16:56
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time:

4-9/4-9 SCM

01/28/22 Revision

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103103

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2841 Dow Avenue, Suite 100 Tustin, CA 92780-7211 • (714) 895-5494

CHAIN OF CUSTODY RECORD

DATE: 7/14/20

PAGE: 2 OF 2

LABORATORY CLIENT: Citadel EHS

ADDRESS: 1725 Victory Blvd

CITY: Glendale STATE: CA ZIP: 91201

TEL: 562-547-3061 E-MAIL: Sgrasse@citadelehs.com

CLIENT PROJECT NAME / NUMBER: 1185 Sunset Blvd

PO NO: 0942.1020.1

PROJECT CONTACT: Scott Grasse

SAMPLER(S) (PRINT): Scott Grasse

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☒ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF | GLOBAL ID: | ECI PROJECT NO. | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☒ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☒ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Ethanol
11	SP-UST-North	7/14/22	13:02	Soil	(5)5035 1 4oz	X	X		X		X		X	X	X	X					X		X
12	SP-UST-South		13:07																				
13	SP-1166		13:33																				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time:
	S	7/14/22	1656
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time.

01/28/22 Revision

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8/25/2022 (Rev. 1)

Login Sample Receipt Checklist

Client: Citadel Environmental Services Inc

Job Number: 570-103103-1

Login Number: 103103
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

18 August 2022

Scott Grasse

Citadel Environmental Services, Inc.

1725 Victory Boulevard

Glendale, CA 91201

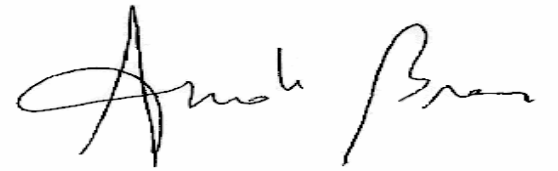
Work Order #: 2208044

Project Name: UST Soil Sampling

Project ID: 0942.1020.0

Site Address: 1185 Sunset Blvd. Los Angeles

Enclosed are the results of analyses for samples received by the laboratory on August 11, 2022. If you have any questions concerning this report, please feel free to contact us.



Molky Brar

Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies , omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

CHAIN OF CUSTODY RECORD

COC# 92044 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 2208044

Company: Citadel FHS		Report To:	
Address: 1745 Victory Blvd Glendale	Project Name: UST Soil Sampling	Address:	
Telephone: Fax: 562-547-3061	Site Address: 1185 Sunset Blvd Los Angeles	Invoice To:	
Special Instruction: TPHg MDL = 100 mg/kg	Project ID: 0942.1020.0	Address:	
E-mail:	Project Manager: Scott Grasse	P.O.#: 0942.1020.0	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260	TPH 8015	TPH 8015	Remarks
	2208044-01	UST SOIL - 061122	6/11/22	09:10	1	5035 5-vial	Soil	ICE	X	X	X	See Attached MDL Requirements
					1	Jar	Soil	—				

Collected By: Scott Grasse	Date 6/11/22	Time 10:29	Relinquished By:	Date 6-11-22	Time 10:30
Relinquished By:	Date	Time	Received For Laboratory Janet Chen	Date 6.11.22	Time 10:30
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

Job# 2208044

ASL Sample Receipt Form

Client: Citadel Environmental Services, Inc.

Date: 8-11-2022

Sample Information:

Temperature: 5.4 °C IR Gun # 1 ☐ Blank ☑ Sample

Custody Seal: ☐ Yes ☑ No ☐ Not Available

Received Within Holding Time: ☑ Yes ☐ No

Container:

Proper Containers and Sufficient Volume: ☑ Yes ☐ No

Soil: 1 ☑ 4oz ☐ 8oz ☐ Sleeve 5 ☑ VOA (4- Sodium Bisulfate + 1- Methanol

Water: ☐ 500AG ☐ 1AG ☐ 125PB ☐ 250PB ☐ 500PB ☐ VOA ☐ Other _____

Air: ☐ Tedlar®

Sample Containers Intact: ☑ Yes ☐ No

Trip Blank ☐ Yes ☑ No

Chain-of-Custody (COC):

Received: ☑ Yes ☐ No

Samplers Name: ☑ Yes ☐ No

Container Labels match COC: ☑ Yes ☐ No

COC documents received complete: ☑ Yes ☐ No

Proper Preservation Noted: ☑ Yes ☐ No

Completed By: Janet Chin

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Citadel Environmental Services, Inc.	Project: UST Soil Sampling	Work Order No: 2208044
1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

ANALYTICAL SUMMARY REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
UST Soil - 081122	2208044-01	Solid	08/11/2022 09:10	08/11/2022 10:30

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Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Analytical Results

Client Sample ID: UST Soil - 081122

Laboratory Sample ID: 2208044-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Total Petroleum Hydrocarbons(TPH-g)				Batch ID: BH20154			Prepared: 08/11/2022 11:00			
Gasoline Range Organics	ND		250	500	ug/kg	1	5035	08/11/2022 16:41	DW	8015B
Surrogate: Bromofluorobenzene		*S-04*	*124 %*	*70-120*			5035	08/11/2022 16:41	DW	*8015B*
Total Petroleum Hydrocarbons(TPH DROORO)				Batch ID: BH20122			Prepared: 08/11/2022 13:00			
Diesel range organics	ND		1.00	10.0	mg/kg	1	3550B	08/12/2022 06:12	DW	8015B
Oil Range Organics	ND		17.0	50.0	mg/kg	1	3550B	08/12/2022 06:12	DW	8015B
Surrogate: Chlorobenzene			*115 %*	*70-120*			3550B	08/12/2022 06:12	DW	*8015B*
Volatile Organic Compounds + OXY				Batch ID: BH20146			Prepared: 08/12/2022 09:00			
Acetone	**13.6**	J	12.7	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Benzene	ND		0.930	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromobenzene	ND		3.39	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromochloromethane	ND		0.380	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromodichloromethane	ND		0.630	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromoform	ND		3.39	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Bromomethane	ND		2.75	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Butanone (MEK)	ND		5.83	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
n-Butyl Benzene	ND		2.05	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
sec-Butylbenzene	ND		3.04	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
tert-Butylbenzene	ND		1.34	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Carbon disulfide	ND		5.53	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Carbon tetrachloride	ND		2.48	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chlorobenzene	ND		0.890	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chloroethane	ND		2.15	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Chloroethylvinyl Ether	ND		5.53	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chloroform	ND		1.24	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Chloromethane	ND		1.74	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
4-Chlorotoluene	ND		1.34	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Di-Isopropyl ether (DIPE)	ND		1.16	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Chlorotoluene	ND		2.35	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dibromo-3-chloropropane	ND		2.69	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Dibromochloromethane	ND		0.650	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dibromoethane	ND		2.75	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Dibromomethane	ND		2.30	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dichlorobenzene	ND		1.65	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,3-Dichlorobenzene	ND		1.03	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B

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Citadel Environmental Services, Inc.	Project: UST Soil Sampling	Work Order No: 2208044
1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Analytical Results

Client Sample ID: UST Soil - 081122

Laboratory Sample ID: 2208044-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds + OXY				Batch ID: BH20146			Prepared: 08/12/2022 09:00			
1,4-Dichlorobenzene	ND		2.23	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Dichlorodifluoromethane	ND		2.07	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1-Dichloroethane	ND		1.30	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dichloroethane	ND		1.57	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1-Dichloroethene	ND		1.60	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
cis-1,2-Dichloroethene	ND		2.16	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
trans-1,2-Dichloroethene	ND		2.60	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1-Dichloropropene	ND		0.660	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Ethyl tert-butyl ether (ETBE)	ND		1.35	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2-Dichloropropane	ND		0.920	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,3-Dichloropropane	ND		1.36	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2,2-Dichloropropane	ND		1.12	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
cis-1,3-Dichloropropene	ND		0.980	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Methyl tert-Butyl Ether (MTBE)	ND		1.81	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
4-Methyl-2-pentanone (MIBK)	ND		3.14	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
trans-1,3-Dichloropropene	ND		0.960	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Ethylbenzene	ND		1.00	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Hexachlorobutadiene	ND		2.77	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
2-Hexanone	ND		3.18	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Tert-Amyl methyl ether (TAME)	ND		1.00	5.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
TBA	ND		10.0	20.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Isopropylbenzene	ND		1.42	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
p-Isopropyltoluene	ND		3.86	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Methylene chloride	ND		3.31	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Naphthalene	ND		1.14	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
n-Propylbenzene	ND		1.14	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Styrene	ND		0.800	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,1,2-Tetrachloroethane	ND		1.28	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,2,2-Tetrachloroethane	ND		3.25	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Tetrachloroethene	ND		0.930	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Toluene	ND		1.00	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,3-Trichlorobenzene	ND		1.23	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,4-Trichlorobenzene	ND		2.82	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,1-Trichloroethane	ND		2.03	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,1,2-Trichloroethane	ND		1.74	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Trichloroethene	ND		1.15	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B

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1725 Victory Boulevard	Project Number: 0942.1020.0	**Reported:**
Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Analytical Results

Client Sample ID: UST Soil - 081122

Laboratory Sample ID: 2208044-01 (Solid)

Analyte	Result	Notes	MDL	PQL	Units	Dilution	Prep Method	Analyzed	Analyst	Method
Volatile Organic Compounds + OXY				Batch ID: BH20146			Prepared: 08/12/2022 09:00			
Trichlorofluoromethane	ND		3.15	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,3-Trichloropropane	ND		1.74	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,2,4-Trimethylbenzene	ND		3.19	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
1,3,5- Trimethylbenzene	ND		1.23	10.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Vinyl acetate	ND		10.8	50.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Vinyl chloride	ND		2.79	30.0	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
m,p-Xylenes	ND		1.80	4.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
o-Xylene	ND		1.80	2.00	ug/kg	1	5035	08/13/2022 05:47	DW	8260B
Surrogate: 4-Bromofluorobenzene		*S-04*	*122 %*		*70-120*		5035	08/13/2022 05:47	DW	*8260B*
Surrogate: Dibromofluoromethane		*S-04*	*140 %*		*70-120*		5035	08/13/2022 05:47	DW	*8260B*
Surrogate: Toluene-d8			*106 %*		*70-120*		5035	08/13/2022 05:47	DW	*8260B*

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Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH20154 - 5035 - 8015B											
LCS (BH20154-BS1)					Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	495			ug/L	500		98.9	75-120			
LCS Dup (BH20154-BSD1)					Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	486			ug/L	500		97.1	75-120	1.81	15	
Matrix Spike (BH20154-MS1)		**Source: 2208028-02**			Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	254			ug/L	500	19.3	46.9	75-120			QM-05
Matrix Spike Dup (BH20154-MSD1)		**Source: 2208028-02**			Prepared & Analyzed: 08/11/202						
Gasoline Range Organics	301			ug/L	500	19.3	56.3	75-120	16.9	15	QM-05

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Glendale CA, 91201	Project Manager: Scott Grasse	08/18/2022 16:42

Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

Analyte	Result	MDL	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH20122 - 3550B - 8015B											
Blank (BH20122-BLK1)					Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	ND	1.00	10.0	mg/kg							
Oil Range Organics	ND	17.0	50.0	"							
Surrogate: Chlorobenzene	*117*			*mg/L*	*100*		*117*	*70-120*			
LCS (BH20122-BS1)					Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	530			mg/L	500		106	75-120			
Surrogate: Chlorobenzene	*110*			*"*	*100*		*110*	*70-120*			
LCS Dup (BH20122-BSD1)					Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	496			mg/L	500		99.3	75-120	6.55	20	
Surrogate: Chlorobenzene	*100*			*"*	*100*		*100*	*70-120*			
Matrix Spike (BH20122-MS1)		**Source: 2208029-02**			Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	510			mg/L	500	0.00	102	75-120			
Surrogate: Chlorobenzene	*109*			*"*	*100*		*109*	*70-120*			
Matrix Spike Dup (BH20122-MSD1)		**Source: 2208029-02**			Prepared: 08/11/202 Analyzed: 08/12/202						
Diesel range organics	517			mg/L	500	0.00	103	75-120	1.28	20	
Surrogate: Chlorobenzene	*112*			*"*	*100*		*112*	*70-120*			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the practical quantitation limit (PQL)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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ENVIRONMENTAL SERVICES, INC.
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Appendix D
Health and Safety Plan

CITADEL EHS
assess resolve strengthen

Integrated Demolition and Remediation, Inc
4938 East La Palma Avenue
Anaheim, California 92807

Health and Safety Plan

July 14, 2022

Citadel Project Number 0942.1020.0

1185 Sunset Boulevard
Los Angeles, California 90026

www.CitadelEHS.com

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1.0 SITE DESCRIPTION

Citadel EHS (Citadel) has prepared this Health and Safety Plan (HASP) for use during soil and soil vapor sampling activities conducted at 1185 Sunset Boulevard, in the City of Los Angeles, California (Site). The Site consists of approximately 0.34 acres of vacant land.

Activities conducted under Citadel's direction at the Site will be in compliance with applicable Occupational Safety and Health Administration (OSHA) regulations, particularly those in Title 8 California Code of Regulations (CCR) 5192, and other applicable federal, state, and local laws, regulations, and statutes. A copy of this HASP will be kept onsite during scheduled field activities.

2.0 BACKGROUND

Citadel EHS (Citadel) was contacted by Integrated Demolition and Remediation, Inc. (IDR)) to provide a soil sampling and underground storage tank (UST) services for the Site. Citadel understands from the Client that four steel 500-gallon, single-wall fuel USTs and one waste oil UST of unknown size are believed to be present at the Site. The Client has also requested sampling services for one hydraulic hoist and three 3-stage clarifiers that are present at the Site.

3.0 SAFETY POLICY

Safety will be given primary importance in the planning and operation of this project. The safety policy shall strictly adhere to current EPA and OSHA standards, and local government agency requirements having authority over the project as regards to Client employees, as well as to public safety. Some of the applicable health and safety standards are listed below:

- 40 Code of Federal Regulations Part 261, Identification and Listing of Hazardous Waste;
- Health and Safety Code, Division 20, Chapter 6.5, California Hazardous Waste Control Act;
- Title 8, California Code of Regulations, Section 1510, Safety Instruction for Employees;
- Title 8, California Code of Regulations, Section 3380, Personal Protective Equipment;
- Title 8, California Code of Regulations, Section 5144, Respiratory Protection;
- Title 8, California Code of Regulations, Section 5194, Hazard Communication; and
- Title 22, California Code of Regulations, Division 4.5, Environmental Health Standards for the Management of Hazardous Waste.

Each subcontracting firm will assume primary responsibility for the safety of their own work in regard to their employees and other persons. Subcontractors will assume the duty to comply with OSHA, and all other federal, state and local regulations.

The subcontractors work will be monitored by Citadel project managers for implementation of this HASP, while adhering to their own safety program. Citadel will retain the authority and power to enforce this HASP during the progress of the work. Any deficiencies in safe work practices will be brought to the attention of the subcontractor firm's supervisor for immediate corrective action. If the subcontractor fails or refuses to take corrective action promptly, a stop work order shall be issued and the subcontractor or the subcontractor employee may be removed from the Site.

4.0 WORK DESCRIPTION

To profile the vessel contents, liquid samples will be collected from each UST and the hydraulic hoist and analyzed for VOCs including oxygenates and naphthalene by EPA Method 8260B, total petroleum hydrocarbons (TPH) full range by EPA Method 8015B, and polychlorinated biphenyls (PCBs) by EPA method 8082. A sample from each clarifier will be collected and analyzed for VOCs, TPH full range and Title 22 Metals.

Citadel will coordinate with LAFD and the Client to schedule LAFD oversight for the removal of the USTs. Citadel personnel will be present on site during any UST removal activity that disturbs soil including excavation to expose the USTs and associated piping and lifting, moving or removing the USTs and associated piping, to continuously monitor air emissions for volatile organic compounds (VOCs) and record measurements using a direct reading organic vapor analyzer (OVA), or equivalent such as a photoionization detector (PID). Monitoring will be in accordance with South Coast Air Quality Management District (SCAQMD) Rule 1166. The Client is responsible for submitting the required Rule 1166 notification to SCAQMD prior to the commencement of soil disturbance activities.

Following removal of the USTs confirmation soil samples will be collected from the vicinity of the USTs as directed by an LAFD inspector and analyzed per LAFD requirements. At a minimum, two soil samples will be collected beneath each UST, one sample collected beneath each fitting, one sample collected from beneath every 20 feet of piping, one from each spoils pile of up to 250 cubic yards (CY), and any additional sampling at the LAFD inspector's direction. The soil samples will be collected in 40-millliter glass vials by EPA Method 5035 for analysis of VOCs, oxygenates and naphthalene by EPA Method 8260B and total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015B. A soil sample from each sampling location will also be collected in laboratory supplied glass jars and analyzed for TPH full carbon chain by EPA Method 8015B. To pre-profile the excavated soil for disposal, samples collected from the spoils pile(s) will also be analyzed for Title 22 Metals by EPA methods 6010B/7471A. Soil samples will be placed in a cooler packed with ice prior to transport to an Environmental Laboratory Accreditation Program (ELAP) state-certified laboratory under standard Chain-of-Custody (COC) procedures.

5.0 KEY PROJECT PERSONNEL AND RESPONSIBILITIES

Project Manager	Scott Grasse (Citadel)
Site Safety Officer (SSO)/Project Monitor	Scott Grasse (Citadel)
Subcontractor Personnel	IDR

PROJECT MANAGER

The Project Manager has the ultimate responsibility for the health and safety of personnel at the Site. The Project Manager is responsible for:

- Ensuring that project personnel review and understand the requirements of this HASP;
- Keeping on-site personnel informed of the expected hazards and appropriate protective measures at the Site; and
- Providing resources necessary for maintaining a safe and health work environment.

SITE SAFETY OFFICER/PROJECT MONITOR

The SSO is responsible for enforcing the requirements of this HASP once site work begins. The SSO has the authority to immediately correct situations where noncompliance with this HASP is noted and to immediately stop work in cases where an immediate danger to site workers or the environment is perceived. Responsibilities of the SSO also include:

- Obtaining and distributing PPE and air monitoring equipment necessary for this project;
- Limiting access at the Site to authorized personnel;
- Communicating unusual or unforeseen conditions at the Site to the Project Manager;
- Supervising and monitoring the safety performance of site personnel to evaluate the effectiveness of health and safety procedures and correct deficiencies;
- Conducting daily tailgate safety meetings before each day's activities begin; and
- Conducting a site safety inspection prior to the commencement of each day's field activities.

SUBCONTRACTOR PERSONNEL

Subcontractor personnel are expected to comply with the minimum requirements specified in this HASP. Failure to do so may result in the dismissal of the subcontractor or any of the subcontractor's workers from the job site. Subcontractors may employ health and safety procedures that afford them a greater measure of personal protection than those specified in this plan as long as they do not pose additional hazards to themselves, the environment, or others working in the area.

6.0 SITE CONTROL MEASURES

The SSO or Project Manager has been designated to coordinate access and security on site. The Client is responsible for general Site safety and each on-Site contractor must comply with their site-specific safety plan.

7.0 STANDARD OPERATING PROCEDURES

GENERAL SAFETY

- Maintain good housekeeping at all times in all project work areas.
- Check the work area to determine what problems or hazards may exist.
- Designate specific areas for the proper storage of materials.
- Store tools, equipment, materials, and supplies in an orderly manner.
- Provide containers for collecting trash and other debris.
- Clean up all spills quickly.
- Report unsafe conditions or unsafe acts to your supervisor immediately.
- Report all occupational illnesses, injuries, and vehicle accidents.
- Do not wear loose clothing, wristwatches, and other loose accessories when within arm's reach of moving machinery.
- Emergency exits and evacuation areas should be clearly marked during work activities.
- Personnel fall protection is required when climbing to perform maintenance six feet or higher above ground.
- Inspect hand tools and use proper PPE.
- Ensure proper grounding and guarding of equipment.
- Keep hands and fingers out of pinch points.
- Use good ergonomic posturing when working with heavy items and when using the Hammer

Drill.

COMMUNICATION PROCEDURES

Due to the close proximity of all field crew members, the necessity for radio communication is not necessary.

The following standard hand signals will be used:

Hand drawn across throat .....Cease operation immediately
Hand gripping throat .....Out of air, cannot breathe
Grip partner's wrist or both hands around waist ..... Leave area immediately
Hands on top of head .....Need assistance
Thumbs up ..... OK, I am alright, understood
Thumbs down.....No, negative

FIELD VEHICLES

- Equip vehicles with emergency supplies and equipment.
- Maintain both a first aid kit and fire extinguisher in the field vehicle at all times.
- Utilize a rotary beacon on vehicle if working adjacent to active roadway.
- Always wear seatbelt while operating vehicle.
- Tie down loose items.

MANUAL LIFTING

- Personnel shall seek assistance when performing manual lifting tasks that appear beyond their physical capabilities.
- Assess the situation before lifting, ensure good lifting and body positioning practices, and ensure good carrying and setting down practices.

HEAT EXPOSURE

- Limit exposure to the sun or take extra precautions when the UV index rating is high.
- Take lunch and breaks in shaded areas.
- Create shade by using umbrellas, tents, and canopies.
- Wear proper clothing: long sleeved shirts with collars, long pants, and UV-protective sunglasses or safety glasses.
- Apply sunscreen generously to all exposed skin surfaces at least 20 minutes before exposure. Re-apply sunscreen at least every 2 hours, and more frequently when sweating or performing activities where sunscreen may be wiped off.
- Communicate any concerns regarding heat stress to a supervisor.
- Keep hydrated throughout the day (about 4 cups per hour).
- OHSA's Heat Index:

Heat Index	Risk Level	Protective Measures
Less than 91°F	Lower (Caution)	Basic heat safety and planning
91°F to 103°F	Moderate	Implement precautions and heighten awareness

103°F to 115°F	High	Additional precautions to protect workers
Greater than 115°F	Very High to Extreme	Triggers even more aggressive protective measures

Utilities (Under Ground and Above Ground): Low Hazard. All boring locations will be hand drilled and stop work will be enforced if any utilities are encountered.

Biological Hazards: Low to Medium Hazard. Beware of spiders, insects and other possible animals.

Site Instability: Low to Medium Hazard. The Site will be inspected prior to equipment placement and closely monitored. Any settling of the equipment will cause the work to stop immediately.

Equipment Refueling: Low Hazard. Equipment shall not be refueled with the engine running. Cigarettes, open flames, or other ignition sources are not allowed within 50 feet of the fueling location.

Personnel Injury: Upon notification of an injury, the Project Field Leader should evaluate the nature of the injury, and the affected person should be decontaminated to the extent possible prior to movement. The Project Field Leader shall initiate the appropriate first aid, and contact should be made for an ambulance and with the designated medical facility (if required).

Fire/Explosion: The fire department shall be alerted, and all personnel moved to a safe distance from the involved area.

Other Equipment Failure: If any other equipment on site fails to operate properly, the Project Team Leader shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, work will cease until the situation is evaluated and appropriate actions taken.

COVID-19 FIELD WORK PREVENTION GUIDELINES

The following guidelines were prepared to prevent COVID-19 transmission while performing essential field work activities at the Site:

1. **Stay at least 6 feet from others** whenever possible. Avoid, or at least **minimize close contact with others**. Close contact means being within 6 feet of someone else for more than 15 minutes. By CDC guidelines, it doesn't matter if you are wearing face covering or not to be consider as being in close contact. Even with face covering, being close for extended periods of time, can greatly increase your risk of exposure. *Keep your distance even when wearing face covering or PPE.*

2. **Wear face covering in public and anytime you will interface with others**, regardless of time. *Distance and face covering are likely the two best methods available to minimize exposures.*

3. **Wash your hands frequently and avoid touching your face, nose and mouth with unwashed hands.** Also, don't be fooled into a false sense of security, believing gloves will fully protect you from COVID-19. Even when you wear gloves for protection against chemicals, you still need to wash your hands to minimize exposure.

   Be careful when putting on and taking off PPE to be sure we do not contaminate our hands in the process and then touch our face, nose or mouth with unwashed hands. In doing so, we defeat the purpose of wearing PPE. *Also, don't overdo the hand sanitizer – choose to use soap and water as much as possible.*

4. **Clean and disinfect surfaces you come into contact and minimize touching commonly used surfaces whenever possible.** Cleaning and disinfecting surfaces would not be as important if everyone were wearing face covering and washing their hands more regularly. But because individual behaviors vary quite a bit, we need to do what we can

to protect ourselves and others by routinely cleaning and disinfecting the things we touch. How often will depend on how often you touch a surface or object and whether others are likely to come into contact with it as well. *Cleaning and disinfecting helps reduce exposure, but don't rely on it as a replacement for distancing, face covering and hand washing.*

5. **Monitor your own health** for COVID-19 symptoms and **stay at home**, away from others, if symptoms develop. The sooner you self-isolate, the more you lessen the chance of spreading it to others, regardless of whether it is COVID-19, the flu or some other contagion.

8.0 EXPOSURE MONITORING

The following substances may be encountered on site. The primary hazards of each are identified as follow:

Substances	Concentration	Primary Hazards
Lead	Various	Ingestion, inhalation, skin, eye contact
Heavy Metals	Various	Ingestion, inhalation, skin, eye contact
Polychlorinated Biphenyls	Various	Ingestion, inhalation, skin
Total Petroleum Hydrocarbons	Various	Ingestion, inhalation, skin
Volatile Organic Compounds	Various	Ingestion, inhalation, skin

Lead: Acute exposure to lead via ingestion or inhalation can cause impaired kidney function, high blood pressure, nervous system and neurobehavioral effects, cognitive dysfunction later in life, and subtle cognitive effects attributed to prenatal exposure. Pregnant women need to be especially concerned since exposure can have serious impact on the developing fetus. Even low levels of lead in the blood of children can result in behavior and learning problems, lower IQ and hyperactivity, slowed growth, hearing problems and anemia. In rare cases, ingestion of lead can cause seizures, coma and even death.

Heavy Metals: The main threats to human health from heavy metals are associated with exposure to lead, cadmium, mercury and arsenic. Cadmium compounds are currently mainly used in re-chargeable nickel-cadmium batteries. Recent data indicate that adverse health effects of cadmium exposure is primarily in the form of kidney damage but possibly also bone effects and fractures. The general population is primarily exposed to mercury via food, fish being a major source of methyl mercury exposure, and dental amalgam. The general population does not face a significant health risk from methyl mercury, although certain groups with high fish consumption may attain blood levels associated with a low risk of neurological damage to adults and a risk to the fetus in pregnant women The general population is exposed to lead from air and food in roughly equal proportions. Children are particularly susceptible to lead exposure due to high gastrointestinal uptake and the permeable blood-brain barrier. Recent data indicating that there may be neurotoxic effects of lead at lower levels of exposure than previously anticipated. Exposure to arsenic is mainly via intake of food and drinking water, food being the most important source in most populations. Long-term exposure to arsenic in drinking-water is mainly related to increased risks of skin cancer, but also some other cancers, as well as other skin lesions such as hyperkeratosis and pigmentation changes. Occupational exposure to arsenic, primarily by inhalation, is causally associated with lung cancer.

Polychlorinated Biphenyls (PCBs): PCBs are a group of man-made organic chemicals consisting of carbon, hydrogen and chlorine atoms. They belong to a broad family of organic chemicals known as chlorinated hydrocarbons. They have been demonstrated to cause a variety of adverse health

effects. They have been shown to cause cancer in animals as well as a number of serious non-cancer health effects in animals, including: effects on the immune system, reproductive system, nervous system, endocrine system and other health effects. The different health effects of PCBs may be interrelated. Alterations in one system may have significant implications for the other systems of the body.

Total Petroleum Hydrocarbons (TPH): TPH is a term used to describe a large family of several hundred chemical compounds that originally come from crude oil. A complex blend of petroleum-derived normal and branched-chain alkane, cycloalkane, alkene, and aromatic hydrocarbons. May include benzene and its derivatives, sulfur, and naphthalene. Danger of serious damage to health by prolonged exposure in contact with skin. Possible risk of harm to the unborn child. Repeated exposure may cause skin dryness or cracking. Breathing of high vapor concentrations may cause dizziness, light-headedness, headache, nausea, and loss of co-ordination. Continued inhalation may result in unconsciousness. Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne. Components of the product may be absorbed into the body through the skin. Prolonged and repeated contact with the product may cause skin cancer. May cause damage to the liver.

Volatile Organic Compounds (VOC): VOCs include a variety of chemicals, some of which may have short- and long-term adverse health effects. Health effects include eye, nose, and throat irritation, headaches, loss of coordination, nausea, and damage to liver, kidney, and central nervous system. Some organics are known to cause cancer in humans.

ACTION LEVELS AND EXPOSURE LIMITS

According to OSHA (29 CFR 1926.55 Appendix A, Footnote (A (3)), the composition of TPH varies greatly and thus a single Threshold Limit Value (TLV)[1] for all types of these materials is not applicable. The OHSA Short Term Exposure Limit (STEL)[2] for compounds commonly present in TPH-impacted soil is listed below; these concentrations must not be exceeded when working in areas where these hazardous compounds may be present:

VOCs: 100 ppm_v

If these concentrations are exceeded and cannot be controlled by local methods, an evacuation of the immediate area and possibly the Site will be ordered in accordance with the evacuation route in Section 11.0.

DUST MONITORING

SCAQMD requires that Rule 403 for Fugitive Dust be followed to reduce the amount of particulate matter entrained into ambient air as a result of normal construction activities. This rule is intended to limit the emissions of fugitive dust or particulate matter from a variety of activities and sources such as construction sites, bulk material hauling, unpaved parking lots, and disturbed soil in open areas and vacant lots; this rule applies to any activity or man-made condition capable of generating fugitive dust.

[1] TLV refers to airborne concentrations of chemical substances and represent conditions under which it is believed that nearly all workers may be repeatedly exposed, day after day, over a working lifetime, without adverse effects (American Conference of Governmental Industrial Hygienists (ACGIH).

[2] Defined as a 15-minute time-weighted average exposure which is not to be exceeded at any time during a workday even if the 8-hour time-weighted average is below the PEL.

Rule 403 requires that fugitive dust generated during any activity or man-made condition such as excavation, demolition, construction, and soil disturbance, shall be prevented, reduced or mitigated.

9.0 PERSONAL PROTECTIVE EQUIPMENT

The purpose of PPE is to protect employees from hazards and potential hazards they are likely to encounter during site activities. The amount and type of PPE used will be based on the nature of the hazard encountered or anticipated. Respiratory protection will be utilized when an airborne hazard has been identified using real-time air monitoring devices, or as a precautionary measure in areas designated by the SSO, elevating to level C. If this occurs, contractor personnel shall be respirator approved.

Dermal protection, primarily in the form of chemical-resistant gloves and coveralls, will be worn whenever contact with chemically affected materials (e.g., soils, groundwater, sludge) is anticipated, without regard to the level of respiratory protection required.

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

Location	Job Function	Level of Protection
Controlled Area	All Workers	A B C (D) Other

Specific protective equipment for each level of protection is as follows:

Level A
- Fully-encapsulating suit
- SCBA
- Disposable coveralls

Level B
- Splash gear
- SCBA

Level C
- Splash gear
- Half-face canister respirator with H_2S/VOC cartridge
- Mouth/nose canister respirator
- Efficiency 100 (HEPA)

Level D
- Hard hat
- Ear plugs
- Neoprene or leather gloves - nitrile gloves
- Safety vests and Glasses
- Hard toe boots

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SSO OR PROJECT MANAGER.

10.0 DECONTAMINATION PROCEDURES

Despite protective procedures, personnel may come in contact with potentially hazardous compounds while performing work tasks. If so, decontamination needs to take place using an Alconox or tri-sodium phosphate (TSP), followed by a rinse with clean water. Standard decontamination procedure for levels C and D are as follows:

- Equipment drop
- Boot cover and outer glove wash and rinse

- Boot cover and out glove removal
- Suit wash and rinse
- Suit removal
- Safety boot wash and rinse
- Inner glove wash and rinse
- Respirator removal
- Inner glove removal
- Field wash of hands and face

Workers should employ only applicable steps in accordance with level of PPE worn and extent of contamination present. The SSO shall maintain adequate quantities of clean water to be used for personal decontamination (i.e. field wash of hands and face) whenever a suitable washing facility is not located in the immediate vicinity of the work area. Disposable items will be disposed of in an appropriate container. Wash and rinse water generated from decontamination activities will be handled and disposed of properly. Non-disposable items may need to be sanitized before reuse. Each site worker is responsible for the maintenance, decontamination, and sanitizing of his/her own PPE.

Used equipment may be decontaminated as follows:

- An Alconox or TSP and water solution will be used to wash the equipment.
- The equipment will then be rinsed with clean water.

Each person must follow these procedures to reduce the potential for transferring chemically affected materials offsite.

11.0 EMERGENCY PROCEDURES

In the event of an emergency, site personnel will signal distress with three blasts of a horn (a vehicle horn will be sufficient), or other predetermined signal. Communication signals, such as hand signals, must be established where communication equipment is not feasible or in areas of loud noise.

The SSO will designate evacuation routes and refuge areas to be used in the event of an emergency. Site personnel will stay upwind from vapors or smoke and upgradient from spills. Workers should exit through the established decontamination areas wherever possible. If evacuation cannot be done through an established decontamination area, site personnel will go to the nearest safe location and remove contaminated clothing there. Personnel will assemble at the predetermined refuge following evacuation and decontamination. The SSO will count and identify site personnel to verify that all personnel have been evacuated safely. Please refer to Figure 1.0 for the evacuation route and refuge location.

FIGURE 1.0 – EVACUATION ROUTE AND REFUGE AREA

= Approximate Project Boundaries

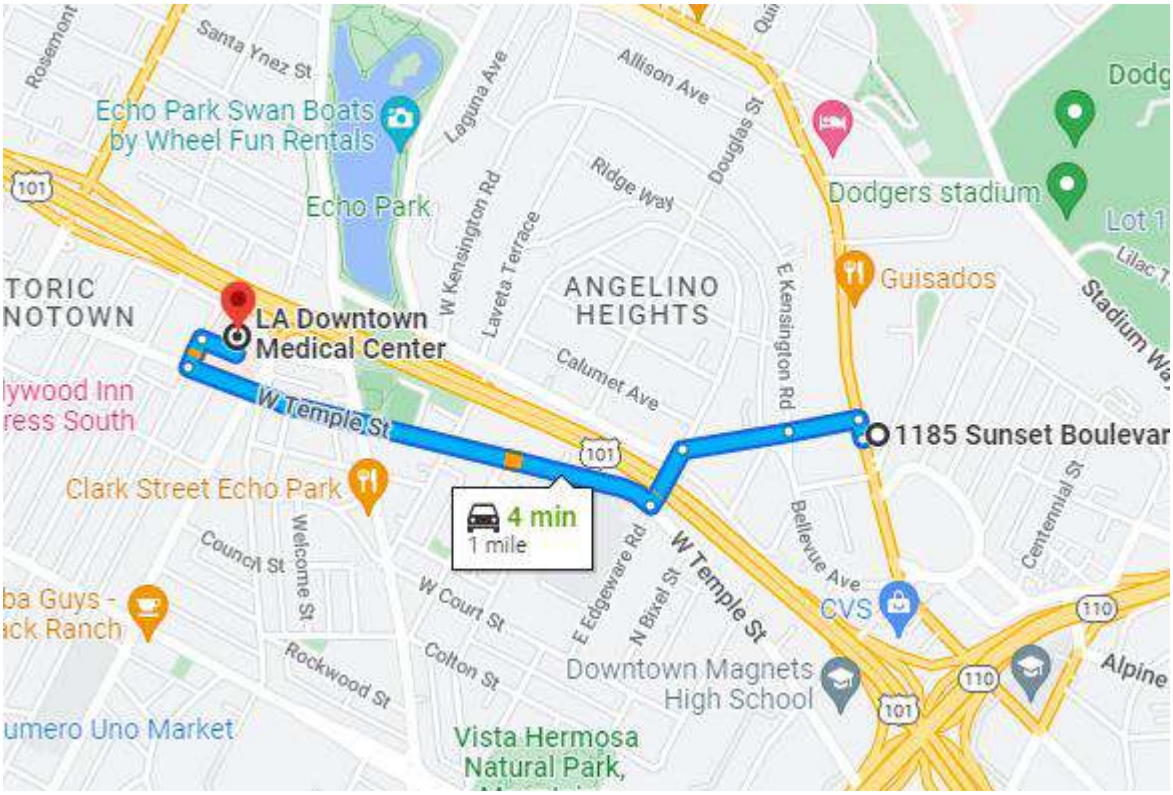
= Refuge Area

= Evacuation Route

FIGURE 2.0 – DESIGNATED MEDICAL FACILITY

The designated medical facility is:

L.A. Downtown Medical Center
1711 W Temple St,
Los Angeles, CA 90026
(213) 989-6100



Directions:

Head north on Sunset Blvd toward Marion Ave 131 ft

Turn left onto Marion Ave 463 ft

Continue onto Bellevue Ave 0.1 mi

Turn left onto E Edgeware Rd 410 ft

Turn right onto W Temple St 0.6 mi

Turn right onto N Burlington Ave 203 ft

Turn right, Destination will be on the left 240 ft

Local ambulance service is available from:

Name: Local Paramedics
Phone: 911

First-aid equipment is available in the SSO's vehicle.

List of emergency phone numbers:

Agency/Facility	**Phone**
Police/Fire	911
Hospital	((213) 989-6100

12.0 SIGNATURES

This HASP has been prepared by:

Scott Grasse

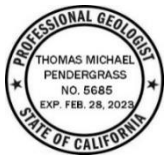
Digitally signed by Scott Grasse
Date: 2022.08.25 10:59:03-07'00'

Scott Grasse, PG, MSc
Project Geologist, Engineering and Environmental Sciences

This HASP has been reviewed by:

T. Michael Pendergrass

Digitally signed by T. Michael Pendergrass
Date: 2022.08.25 10:59:22-07'00'



T. Michael Pendergrass, PG
Senior Project Geologist, Engineering and Environmental Sciences

DAILY SIGNATURE PAGE

The following signatures indicate that this Health and Safety Plan (HASP) has been read and accepted by all site personnel.

NAME	COMPANY	SIGNATURE	DATE
Scott Grasse	Citadel		7/14/22
Siguinifredo Quezada	IDR		7/14/22
Rodrigo Peral	I.D.R		7-14-22
Edgar Gomez	I.D.R	Edgar Gomez	7-14-22
Raul Lopez	IDR		7/14-22

HASP Sign in Shret

August 11, 2022
1185 Sunset Blvd
Los Angeles

	Scott Grasse	Citadel	8/11/22
Sgt. Manfred Quezada		IDR	8/11/22
Jesus Gomez		IDR	8/11/22
Jose Santibañez		IDR	8/11/22

CITADEL EHS
assess resolve strengthen

Appendix E
Citadel Field Notes

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Dylan Harrington
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
1130	CITADEL REP ARRIVES ON SITE. WAITING FOR SITE CONTACT TO ARRIVE.
1155	CITADEL REP MEETS W/ SITE CONTACT TIM BURCHFIELD TO DISCUSS UST ACCESS POINTS AND GENERAL SCOPE OF WORK.
1204	TIM NOTIFY'S CITADEL REP OF ODOR HE NOTICED POSSIBLY EMMITING FROM SOIL NEAR AND ON TOP OF CONCRETE PATCH/SLAB THAT WAS NOT NOTED BEFORE. LOCATION IS IN BETWEEN SMALL WASTE OIL TANK AND HOIST. ALL UST'S/CLARIFIER ARE ACCESSIBLE. LOOKING NORTH, THE EAST CLARIFIER WAS NEVER LOCATED DURING DEMO.
1210	CITADEL REP TAKES PICTURES OF ACCESS PORTS AND GENERAL SITE.
1215	CITADEL REP WILL NOW LEAVE THE SITE.

DH

CITADEL REPRESENTATIVE: DYLAN HARRINGTON	**DAY:** THURSDAY
SIGNATURE:	**DATE:** 6.23.22

Revised November 2019

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	1 OF 2
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
0900	CITADEL REP ARRIVES ONSITE. SITE PRE ASSESMENT.
0913	HOIST IS UNACCESSIBLE TO SAMPLE. CEMENTED SHUT.
0930	FIRST SAMPLE IS TAKEN FROM WOT1 AND COLLECTED IN 4OZ JAR. FREE PRODUCT OILY SUBSTANCE.
0945	UST1 IS UNACCESIBLE BECAUSE VENT PIPE IS CORRODED AND PORT IS OBSTRUCTED BY ROCKS.
0958	SAMPLE IS TAKEN FROM UST2 AND PLACED INTO 4oz JAR. DEPTH TO BOTTOM OF UST2 IS 10FT, VENT TUBE IS 4FT IN LENGTH.
1011	SAMPLE IS TAKEN FROM UST3 AND COLLECTED IN 4oz JAR. DEPTH TO BOTTOM OF UST3 IS 10FT. VENT PIPE WAS UNACCESSIBLE BECAUSE IT WAS COMPLETELY SEALED OFF.
	SAMPLE IS TAKEN FROM UST4. COLLECTED IN 4OZ JAR. DEPTH TO BOTTOM OF UST4 IS 14FT AND VENT TUBE IS 4FT IN LENGTH.
	SLUDGE LIKE SUBSTANCE WAS TAKEN FROM MUD SUMP 1 AND COLLECTED IN 4OZ JAR.
	SLUDGE LIKE SUBSTANCE WAS COLLECTED IN 4OZ JAR.
1215	CITADEL REP HAS LEFT THE SITE.
	DH

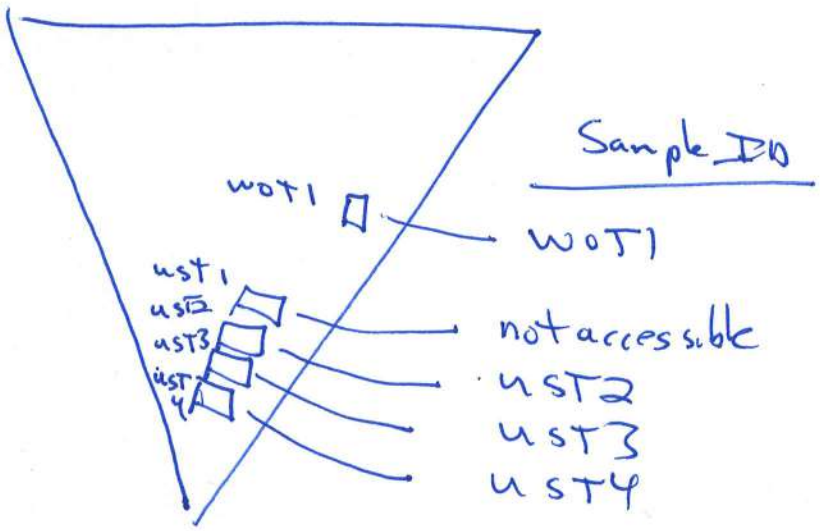
CITADEL REPRESENTATIVE: DYLAN HARRINGTON	**DAY:** MONDAY
SIGNATURE:	**DATE:** 6-27-22

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remedi	PAGE	2 OF 2
PROJECT NUMBER	0942.1020.0	CITADEL REPRESENTATIVE	Scott Grasse
PROJECT NAME	UST Removal	CONTRACTOR	-
PROJECT WORK AREA	Vacant Land	SUPERVISOR	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
	SITE MAP



CITADEL REPRESENTATIVE: Scott Grasse	TIME: ~~DATE~~ Monday
SIGNATURE:	DATE: 6/27/22

Revised November 2019

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	1 OF 2
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	~~Scott Grasse~~ Tim Lambert
PROJECT NAME	UST Removal	**CONTRACTOR**	IDR
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
0700	Citadel on site. Meet with IDR, discuss SOW. Crew will be exposing all five USTs on site. All excavated soil will be placed on plastic and covered. Crew is currently unloading delivery of a compressor and an excavator.
0720	Excavator was delivered with no hydraulic oil.
0800	Crew brings oil and preps excavator. Begin setup.
0823	Digging begins at southern most UST.
0830	Soil has strong odor of gasoline.
0900	VOC detections fall below 50ppm with observable odor. Begin segregating soil.
0930	Tank is larger than assumed. Crew begins removing more fencing to expose full length of UST #4
0940	UST #4 is found to be ~~16~~ 17' long.
1020	Crew begins cutting open UST #4.
1045	Crew begins cutting open UST #~~2~~ 3
1100	UST #~~2~~ 3 is full of mostly solids with a small amount of liquid on the west end below the ports. North State will not be able to clean this tank today as they will need to enter the tank and they are not currently equipt for confined space entry.
1110	Crew breaks for lunch.
1145	Return from lunch. North State begins setup to clean UST #4.
1200	IDR begins shifting stockpile to make room for more soil.
1205	Begin cutting open UST #~~3~~ 2

CITADEL REPRESENTATIVE: Tim Lambert	**DAY:** Tuesday
SIGNATURE: Tim Lambert	**DATE:** 7/12/22

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remediation	**PAGE**	2 OF 2
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
1220	NorthState begins pumping UST #4.
1225	Resume excavation.
1325	Begin cutting UST #1
1345	Crew has to repair cutter.
1430	Begin digging ~~UST #5~~ waste oil tank
1435	Excavator uncovers a previously broken port in in top of the tank body and a small amount of water leaks out (~1gal). No odor or sheen is observed. No VOCs detected.
1505	The edge of the waste oil tank is punctured and begins draining water. The operator places soil at the leak to contain the spill, Tank will be left as is until North State can pump the contents.
1525	No further excavation.
	Citadel off site.

CITADEL REPRESENTATIVE: Tim Lambert DAY: Tuesday

SIGNATURE: Tim Lambert DATE: 7/12/22

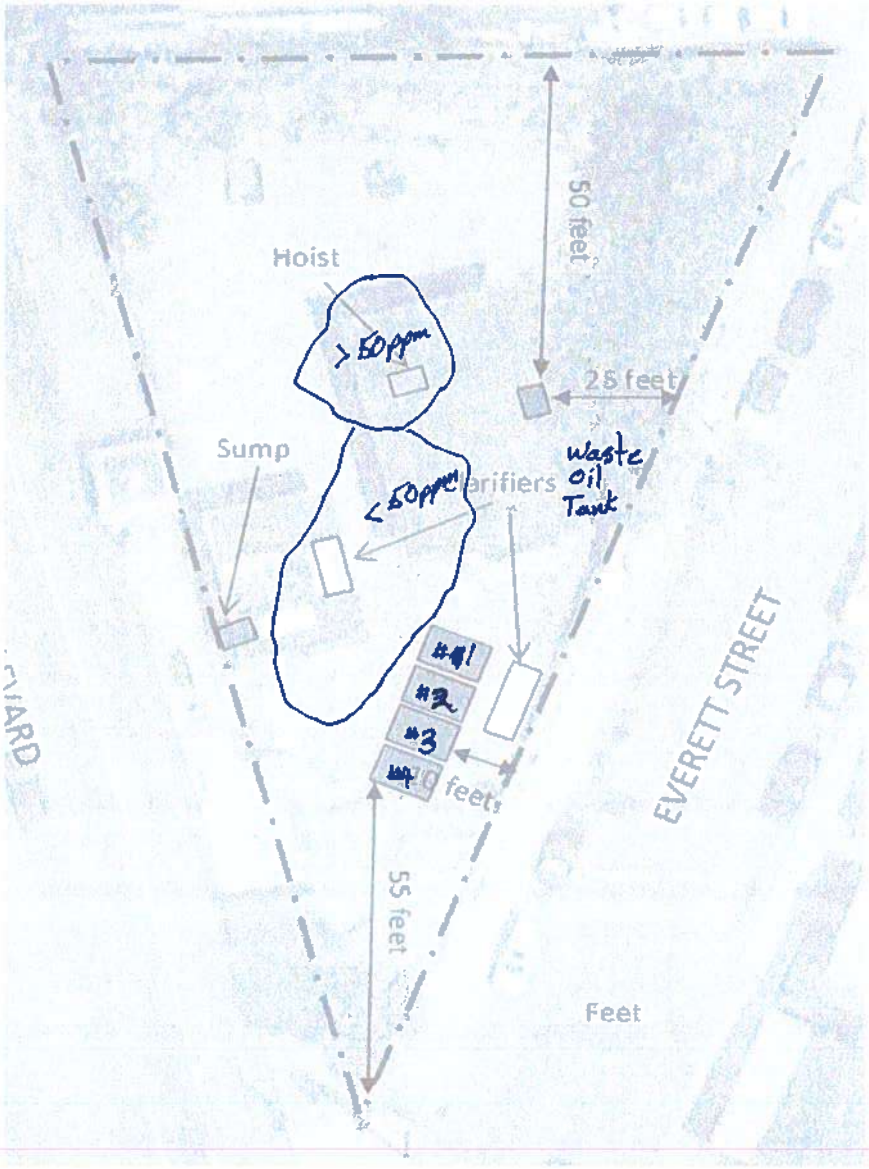
Revised November 2019

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remedi	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	~~Dylan Harrington~~ Tim Lambert
PROJECT NAME	UST Removal	**CONTRACTOR**	-
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

FIELD SKETCH



CITADEL REPRESENTATIVE: Tim Lambert	**TIME:**
SIGNATURE: Tim Lambert	**DATE:** 7/12/22

Revised November 2019

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

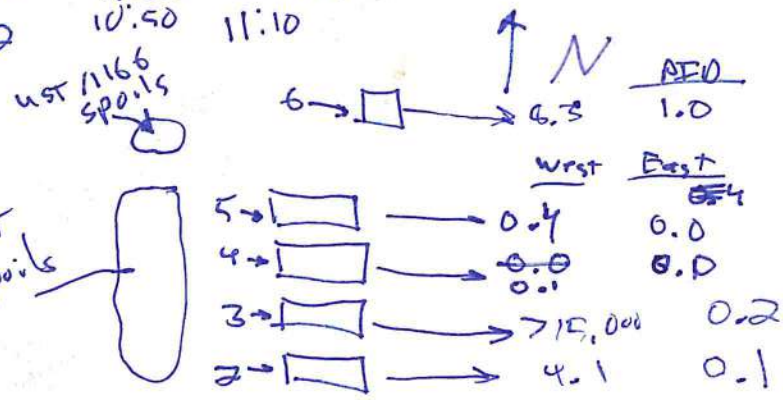
CLIENT	Integrated Demolition and Remedi	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	- IDR
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
09:45	Citadel Onsite
10:00	LAFD arrives (Ins. Belknap)
10:50	Remove UST 0714/2 and collect samples
13:02	Begin collecting stockpile samples
14:25	UST 0714/6 removed and samples collected
14:40	Monitor partial excavation of Clarifier and sump. no VOCs detected
15:00	Citadel offsite to deliver samples to Calscience
	Sample collection Time

		West	East
UST 1 WOT 6 (group C)	0714/6	1420	14:25
x16'10" UST 2 (Group A)	0714/5	14:03	14:18
x16'10" UST 3 (group A)	0714/4	12:51	12:57
x16.5' UST 4 (group A)	0714/3	~~11:53~~ 11:53	~~11:58~~ 11:58
x16.5' UST 5 (group C)	0714/2	10:50	11:10

Advanced Steel (Fontana)

SP-UST-South	13:02
SP-UST-North	13:07
SP-1166	13:33



As per LAFD Inspector due to WOT being WO, and UST 5 not accessible so contents unknown

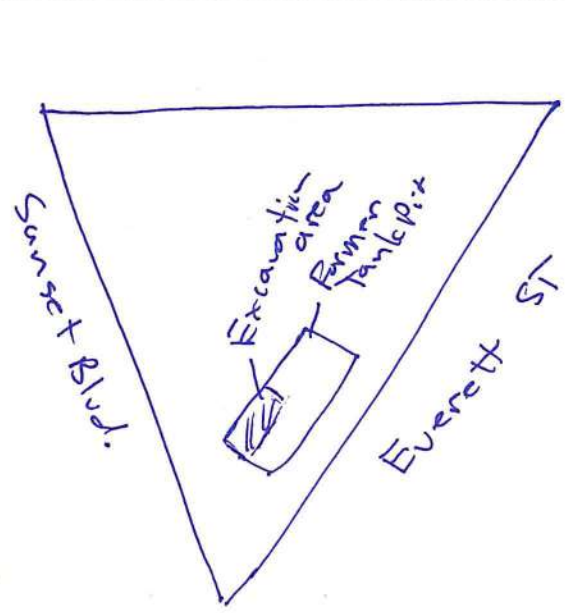
CITADEL REPRESENTATIVE: Scott Grasse	**TIME:** DAY Thursday
SIGNATURE:	**DATE:** 7/14/22

CITADEL EHS
PROJECT DOCUMENTATION

CITADEL EHS

CLIENT	Integrated Demolition and Remedi	**PAGE**	1 OF 1
PROJECT NUMBER	0942.1020.0	**CITADEL REPRESENTATIVE**	~~Dylan Harrington~~ Scott Grasse
PROJECT NAME	UST Removal	**CONTRACTOR**	- Integrated Demolition and Remediation
PROJECT WORK AREA	Vacant Land	**SUPERVISOR**	Scott Grasse
PROJECT LOCATION	1185 Sunset Boulevard		

TIME	FIELD NOTES
06:40	Citadel onsite
07:00	IDR mobilize, excavator and trucks
07:11	Begin excavation
08:06	Pause Excavation. LAFD on site.
08:23	Resume Excavation
08:57	Cease Excavation. Collect Soil Sample
09:45	Citadel offsite



CITADEL REPRESENTATIVE: Scott Grasse	~~TIME:~~ DAY Thursday
SIGNATURE:	**DATE:** 8/11/22

Revised November 2019

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ENVIRONMENTAL SERVICES, INC.
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Appendix F
Photo Log

PHOTOGRAPHIC LOG

PHOTO 1: USTs prior to asphalt removal, looking south (04/28/22).

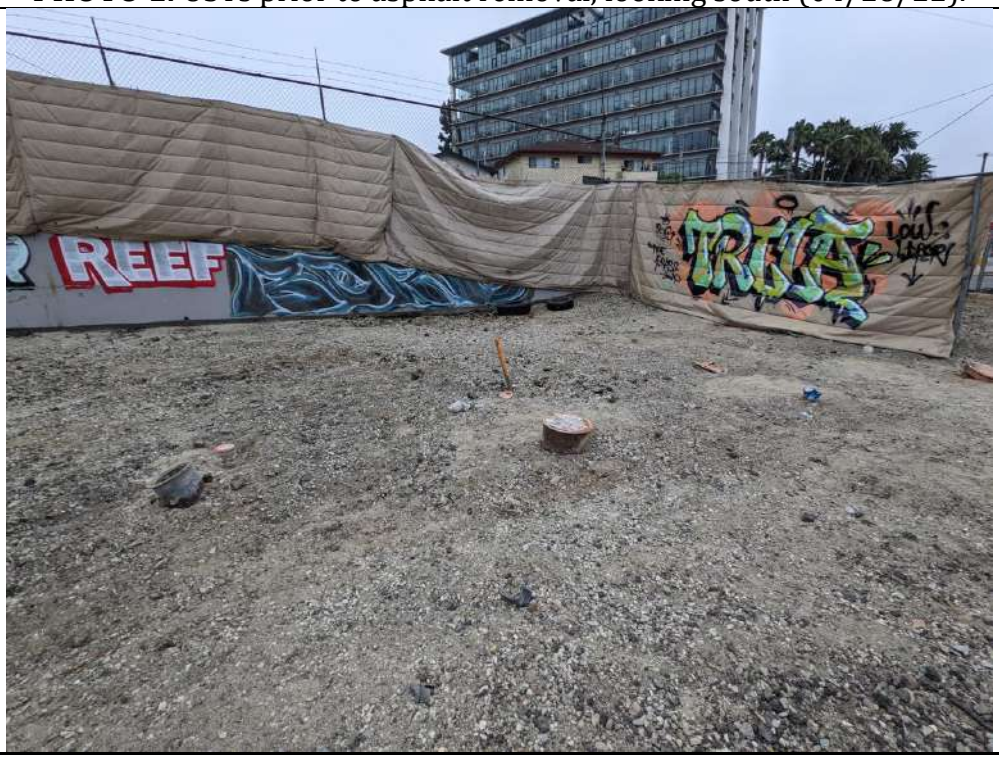

PHOTO 2: USTs after asphalt removal, looking southeast (07/12/22).

CITADEL EHS
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Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026
Citadel Project No. 0942.1020.0

PHOTOGRAPHIC LOG

PHOTO 3: Exposing UST No. 2 (07/12/21).

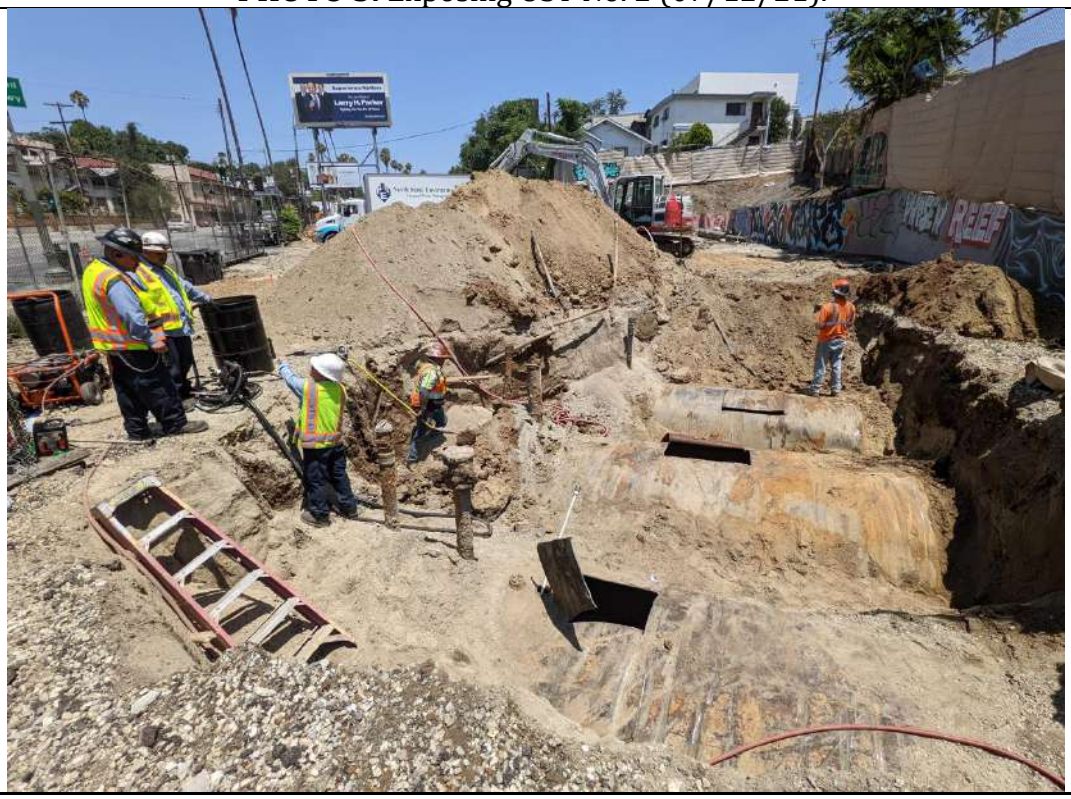

PHOTO 4: USTs being cleaned, looking north (07/12/22).

CITADEL EHS
assess resolve strengthen

Aragon (Sunset/Everett) Properties Corporation
1185 Sunset Boulevard
Los Angeles, California 90026
Citadel Project No. 0942.1020.0

PHOTOGRAPHIC LOG

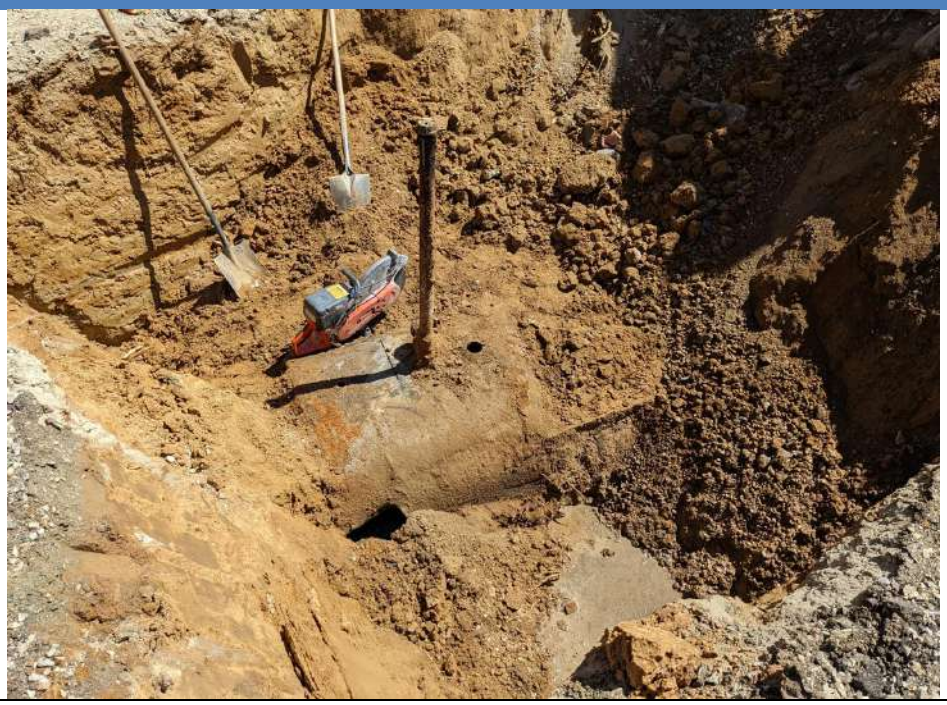

PHOTO 5: UST No. 6 exposed (07/12/22).

PHOTO 6: USTs certified clean and labeled, looking south (07/14/22).

PHOTOGRAPHIC LOG

PHOTO 7: UST No. 6 certified clean and labeled (07/14/22).

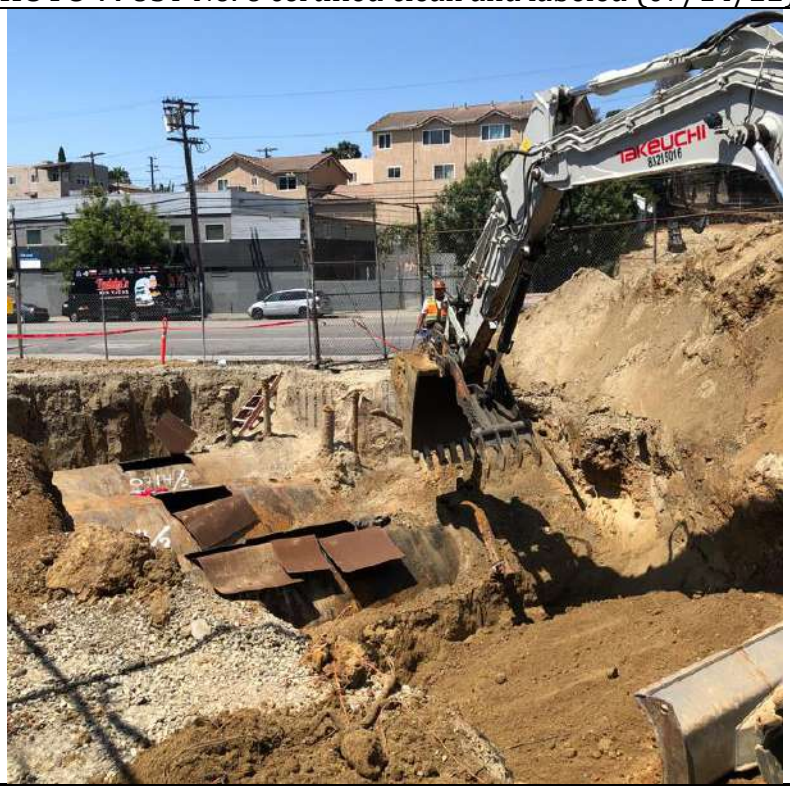

PHOTO 8: Preparing to remove the USTs (07/14/22).

PHOTOGRAPHIC LOG

PHOTO 9: Loading the USTs in preparation for transport (07/14/22).

NO PHOTO

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ENVIRONMENTAL SERVICES, INC.
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Appendix G
SCAQMD Rule 1166 Air Monitoring Logs

Rule 1166 Soil Monitoring Records

Company Name: Citadel EHS	Facility/Site Information
Plan #: 1166 permit under Integrated Demolition and Remediation, Inc ID #:	Name: Aragon (Sunset Earth) Properties Corp
	Address: 1195 Sunset Blvd.
Reference No(s): PO# 0942.1020.0	City: Los Angeles Zip:

Monitor Information	Calibration Data (Converted to Hexane)	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: RKI	Gas: Hexane/Multi	Name: Tim Lambert	Total Cubic Yds (This Page)	
Model: Eagle 2	Date: 6/10/22	Company: CITADEL EHS	**Total Cubic Yds (To Date)**	
Type: Multi	By: Tim Lambert	Phone: 818-246-2707	Removed from Site (To Date)	

Bump Tested 7/12/22

Time	VOC Concentration @ Excavated Load			Comment	Time	VOC Concentration @ Excavated Load			Comment
Every 15 min.	Reading	Hexane Factor	Adjusted Reading		Every 15 min.	Reading	Hexane Factor	Adjusted Reading	
0830	88	N/A		UST #4 West End	1300	0	N/A		UST #~~4~~1 East End
0845	162			East End	1315	0			West End
0900	36				1430	0			~~UST #5~~
0920	20			Middle	1445	0			Waste Oil Tank
0930	0			East End	1500	16			Wet soil from leak.
0945	0								
1000	16			UST #~~2~~3 West End					
1015	8			East End					
1030	0								
1055	0			UST #~~3~~2 East End					
1230	4			UST #~~2~~1 West End					
1245	4								

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: Tim Lambert DATE: 7/12/22

Revised 12/07/05

Rule 1166 Soil Monitoring Records

Company Name:	Facility/Site Information	
Citadel EHS	.	
Plan #: Integrated Demolition and Remediation Inc. ID #:	Name: Aragon (Sunset Earth) Properties	
	Address: 510 Rosecrans Suite D-303 Corp	
Reference No(s). PO 0942:1020:0	City: Manhattan Beach	Zip: 90266

Monitor Information	Calibration Data Converted to Hexane	Monitoring Personnel	Excavation Summary (Upon completion of each page)	
Brand: ~~RKI~~ Mini Rae	Gas: Hexane/Multi Gas	Name: Scott Grasse	Total Cubic Yds (This Page)	
Model: ~~Eagle 2~~ PPB RAE 3000	Date: 4/28/22	Company: CITADEL EHS	Total Cubic Yds (To Date)	
Type: Multi Gas Detector	By: Citadel	Phone: 818-246-2707	Removed from Site (To Date)	

Time	Gas Concentration @ Excavated Load			Comment	Time	Gas Concentration @ Excavated Load			Comment
Every 15 min.	VOCs (ppmv)	CH_4 (%LEL)	H_2S (ppmv)		Every 15 min.	VOCs (ppmv)	CH_4 (%LEL)	H_2S (ppmv)	
07:11	0.1								
07:26	0.3								
07:41	3.2								
0756	3.3			Pause					
0823	0.5			Resume					
0845	11.3								
08:57	0.4			Stop Excavation					

I certify that the information contained in the above document is true and correct. I further certify that the above listed hydrocarbon monitor was operated in a manner consistent with the manufacturer's specifications and the conditions specified within this plan. In addition, I certify that the above readings represent the actual measurements I observed and recorded during the excavation process.

SIGNATURE: DATE: 8-11-22

Revised 12/07/05

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Appendix H
Residual Fluid and Rinsate Disposal Manifest

North State Environmental
Chemical Waste Disposal • Trucking • Consulting

1045 W. Rialto Ave.
Rialto, CA 92376
(909) 875-9288 • Fax (909) 421-7039

2526 Folex Way, Unit A
Spring Valley, CA 91978
(619) 409-9292 • Fax (619) 409-9290

Tracking # TD 10973
Date: 7/12/22
Page: 1 of 1
P.O. #

Tracking Document

Customer: Aragon Prop Corp.
Address: 1187 Sunset Blvd
Los Angeles CA 90012

IPR 26 – PO# 2022-967

	TSDF: ARC Manifest 022863519		TSDF: US ECO Manifest: 022863520		TSDF: Manifest:		TSDF: Manifest:	
	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk
55 gal		4						
30 gal								
15 gal								
5 gal								
85OP								
CY Box								
PIH Box								
Tote				5				

	TSDF: Manifest:		TSDF: Manifest:		TSDF: Manifest:		TSDF: Manifest:	
	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk	Labpack	Bulk
55 gal								
30 gal								
15 gal								
5 gal								
85OP								
CY Box								
PIH Box								

Additional Materials:

	55 gal	30 gal	15 gal	5 gal	CY Box	PIH Box	Tote	Tote
Fiber								
Steel	4							
Poly								5

Vermiculite: _____ Other Materials: Tanker & Pressure Washer (2 days) PPE 18 x Sets

Labor:

Day #1

~~Chemist:~~

Yard Out	Time In	Time Out	Yard In
0830	1000	0930	1030
0830	1000	0930	1030

Day #2

Technician: (Service truck / Bobtail → ← tanker →)

Yard Out	Time In	Time Out	Yard In
0700	0830	→	0530
0700	0830	→	0530

Other:

Miscellaneous: Haz Cat: _____ Samples: _____ Other: _____

Customer Signature: Russell J Barlow 7-12-22

White Copy - Transporter Yellow Copy - Generator

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
C A C 0 0 3 1 7 4 2 7 7	1	909/875-9288	022863520 JJK

GENERATOR

5. Generator's Name and Mailing Address
Aragon (Sunset/Everett) Properties Corp
1590 Rosecrans Avenue
Manhattan Beach CA 90266
Generator's Phone: 310/213-6560 Attn: Fred Shaffer (IDR)

Generator's Site Address (if different than mailing address)
1187 Sunset Blvd
Los Angeles CA 90012

6. Transporter 1 Company Name
North State Environmental (650) 588-2838
U.S. EPA ID Number: C A R 0 0 0 2 0 6 0 8 6

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology, Inc.
Hwy 95, 11 miles south of
Beatty NV 89003
Facility's Phone: (775) 553-2203
U.S. EPA ID Number: N V T 3 3 0 0 1 0 0 0 0

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3082, Hazardous waste, liquid, n.o.s., (lead, water), 9, III (D008)	5	TP	1,375	G	~~D007~~ 141 / D008
	2.					
	3.					
	4.			ERG# 171		

14. Special Handling Instructions and Additional Information
1 IDR-3082 ; Rinse water with metals, trace oil
1: 2: 5X tote 3: 4:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RUSSELL J BEILFUSS
Signature: Russell J Beilfuss
Month 7 Day 12 Year 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: LEO CERVANTES
Signature: LEO CERVANTES
Month 7 Day 12 Year 22
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
C A C 0 0 3 1 7 4 2 7 7	1	909/875-9288	022863519 JJK

GENERATOR

5. Generator's Name and Mailing Address
Aragon (Sunset/Everett) Properties Corp
1590 Rosecrans Avenue
Manhattan Beach CA 90266
Generator's Phone: 310/213-6560 Attn: Fred Shaffer (IDR)

Generator's Site Address (if different than mailing address)
1187 Sunset Blvd
Los Angeles CA 90012

6. Transporter 1 Company Name
North State Environmental (650) 588-2838
U.S. EPA ID Number: C A R 0 0 0 2 0 6 0 8 6

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Pacific Resource Recovery
3150 East Pico Boulevard
Los Angeles CA 90023
Facility's Phone: (800) 499-7145
U.S. EPA ID Number: C A D 0 0 8 2 5 2 4 0 5

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						D001	D018	214
X	1. RQ,UN1993,Waste flammable liquids,n.o.s., (gasoline,water),3,II (D001,D018	4	DM	200	G			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 IDR-1993 ; Contaminated gasoline with trace water

ERG# 128

1: 4X55gal
2:
3:
4:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RUSSELL J BEILFUSS
Signature: Russell J Beilfuss
Month: 7 Day: 12 Year: 22

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LEO CERVANTES
Signature: LEO CERVANTES
Month: 7 Day: 12 Year: 22

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

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Appendix I
Hazardous Waste Tank Closure Certification

CITADEL

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

SINGLE-WALL STEEL TANKS,

CGI: RKI Eagle, serial number E181203

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME 740: CONSTRUCTION SITE

TANK OWNER ADDRESS 741: 1185 WEST SUNSET BOULEVARD

TANK OWNER CITY 742: LOS ANGELES | STATE 743: CALIFORNIA | ZIP CODE 744: 90021

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL – Top	Center	Bottom	Concentration of Oxygen, % – Top	Center	Bottom
1	0714/2 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	0714/3 748	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	0714/4 751	0 752a	0 752b	0 752c	20.9 753a	20.9 753b	20.9 753c

2 12,000-GALLON, GASOLINE TANKS

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 07/14/2022

CERTIFICATION TIME: 0714/2 = 7:07 am - 7:10 am; 0714/3 = 7:10 am - 7:13 am; 0714/4 = 7:14 am - 7:17 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760 ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: LOS ANGELES CITY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763: GASOLINE, OIL

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

SINGLE-WALL STEEL TANKS

CGI: RKI Eagle, serial number E181203

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

FACILITY ID# 1

TANK OWNER NAME 740: CONSTRUCTION SITE

TANK OWNER ADDRESS 741: 1185 WEST SUNSET BOULEVARD

TANK OWNER CITY 742: LOS ANGELES | STATE 743: CALIFORNIA | ZIP CODE 744: 90026

II. TANK CLOSURE INFORMATION

~12,000-GALLON OIL TANK

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)	Concentration of Flammable Vapor, % LEL			Concentration of Oxygen, %		
		Top	Center	Bottom	Top	Center	Bottom
1	0714/5 745	0 746a	0 746b	0 746c	20.9 747a	20.9 747b	20.9 747c
2	0714/6 748	0 749a	0 749b	0 749c	20.9 750a	20.9 750b	20.9 750c
3	751	752a	752b	752c	753a	753b	753c

~350 OIL TANK

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER: Nancy G. Carraway

NAME OF CERTIFIER (Print) 754: Nancy G. Carraway

TITLE OF CERTIFIER 755: Certified Industrial Hygienist

ADDRESS 756: 991 East California Boulevard

CITY 757: Pasadena, California 91106

PHONE 758: 626 676 7681

DATE 759: 07/14/2022

CERTIFICATION TIME: 0714/5= 7:17 am - 7:20 am; 0714/6= 7:27 am - 7:30 am

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA: 760 ☐ Yes ☒ No

Name of CUPA, authorized agency, or LIA: 761: LOS ANGELES CITY FIRE DEPARTMENT

If certifier is other than CUPA / LIA check appropriate box below: 762

- ☒ a. Certified Industrial Hygienist (CIH)
- ☐ b. Certified Safety Professional (CSP)
- ☐ c. Certified Marine Chemist (CMC)
- ☐ d. Registered Environmental Health Specialist (REHS)
- ☐ e. Professional Engineer (PE)
- ☐ f. Class II Registered Environmental Assessor
- ☐ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763: GASOLINE, OIL

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☑ Yes ☐ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

INERT TANK INTERIOR BEFORE TORCH CUTTING OR USING SPARKING TOOLS ON OR NEAR TANK. TANK IS NOT SUITABLE FOR FOOD OR POTABLE WATER STORAGE, FOR PERSONNEL ENTRY, OR FOR HOT WORK. TANK IS SUITABLE FOR COLD WORK.

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

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Appendix J
UST Certificate of Destruction

AdvancedSteel Recovery

14451 WITTRAM AVENUE
FONTANA, CA 92335

August 14, 2022

Advanced Steel Recovery certifies that the items with description below and received in our yard under our scale weight ticket ASR547256 and ASR547281, have been deemed for scrap metal only to be melted for recycling purposes only.

5 Steel Tanks

Maria Rosa Vizcarra
Purchasing Manager
Advance Steel Recovery

ADVANCED STEEL RECOVERY, INC.
PO BOX 3793
RANCHO CUCAMONGA, CA 91729-3793

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Appendix K
Hauling Manifests

Simi Valley Landfill and Recycling Center
2801 Madera Road
Simi Valley, CA, 93065 Ph: (805) 579-7267

Reprint
Ticket# 2955416

Customer Name: INTEGRATEDDEMOLITION INTEGRAT
Ticket Date 08/11/2022
Payment Type Credit Account
Billing# 0001216
Manual Ticket#
PO#
Contract

Carrier MONZON AND SON
Vehicle# 21624-1
Container
Generator Name 144-ARAGON LOSANGELES 1187 ARAG
Profile 653771CA (RULE 1166 SOIL)
Manifest# 2022-336

	Time	Scale	Operator
In	08/11/2022 10:43:09	3	TFLOWER2
Out	08/11/2022 10:43:09		TFLOWER2

Gross	77820 lb
Tare	35100 lb
Net	42720 lb
Tons	21.36

Comments

Customer assumes all risks & liability to self and vehicle.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	CSD-Special Waste Misc	100	21.36	Tons				LOSA
2	FUELSUR-FUEL SURCHARGE	100		%				LOSA
3	ENVFEE-Environmental Fee	100		%				LOSA

Total Tax
Total Ticket

Driver`s Signature

21624-1 Monzon & Son #24

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Not-Required	1	(323) 622-8984	2022-336

GENERATOR

5. Generator's Name and Mailing Address

Aragon (Sunset/Everett Properties
O.O Box 26867
Los Angeles Ca. 90026
Generator's Phone: (310) 871-0727

Generator's Site Address (if different than mailing address)

1187 Sunset Blvd.
Los Angeles Ca. 90012

6. Transporter 1 Company Name: Monzon & Son Enterprises 2880 Norton Ave. Lynwood Ca.
U.S. EPA ID Number: Not-Required

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address

Simi Valley
2801 N. Madera Rd.
Simi Valley Ca. 93065
Facility's Phone: (805) 579-7267

U.S. EPA ID Number: CAD982346827

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS WASTE SOLID (SOIL)	1	DT	18	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Please wear protective equipment when handling. Emergency contact: Monzon & Son Enterprises (323)622-8984
Profile Number: 653771CA

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Sigmund Alfredo Quezada
Signature
Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Terrance Flowers
Signature
Month 8 Day 19 Year 22

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DESIGNATED FACILITY TO GENERATOR

Simi Valley Landfill and Recycling Center
2801 Madera Road
Simi Valley, CA, 93065 Ph: (805) 579-7267

Reprint
Ticket# 2955428

Customer Name: INTEGRATEDDEMOLITION INTEGRAT
Ticket Date 08/11/2022
Payment Type Credit Account
Billing# 0001216
Manual Ticket#
PO#
Contract

Carrier MONZON AND SON
Vehicle# 21110-1
Container
Generator Name 144-ARAGON LOSANGELES 1187 ARAG
Profile 653771CA (RULE 1166 SOIL)
Manifest# 2022-337

	Time	Scale	Operator
In	08/11/2022 10:53:41	3	EVANDERV
Out	08/11/2022 10:53:41		EVANDERV

Gross	88380 lb
Tare	36700 lb
Net	51680 lb
Tons	25.84

Comments

Customer assumes all risks & liability to self and vehicle.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	CSD-Special Waste Misc	100	25.84	Tons				LOSA
2	FUELSUR-FUEL SURCHARGE	100		%				LOSA
3	ENVFEE-Environmental Fee	100		%				LOSA

Total Tax
Total Ticket

Driver`s Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: Not-Required
2. Page 1 of: 1
3. Emergency Response Phone: (323) 622-8984
4. Waste Tracking Number: 2022-337

GENERATOR

5. Generator's Name and Mailing Address
Aragon (Sunset/Everett Properties
O.O Box 26867
Los Angeles Ca. 90026
Generator's Phone: (310) 871-0727

Generator's Site Address (if different than mailing address)
1187 Sunset Blvd.
Los Angeles Ca. 90012

6. Transporter 1 Company Name: Monzon & Son Enterprises 2880 Norton Ave. Lynwood Ca.
U.S. EPA ID Number: Not-Required

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Simi Valley
2801 N. Madera Rd.
Simi Valley Ca. 93065
Facility's Phone: (805) 579-7267
U.S. EPA ID Number: CAD982346827

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-HAZARDOUS WASTE SOLID (SOIL)	1	DT	18	Y	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Please wear protective equipment when handling. Emergency contact: Monzon & Son Enterprises (323)622-8984
Profile Number: 653771CA

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: Sigifredo Quezada
Signature
Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Signature
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Elena Vandevate
Signature
Month Day Year: 12 11 17

169-BLC-O 5 11977 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

February 26, 2013

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Property Identification:
1185-1245 West Sunset Boulevard
Los Angeles, Los Angeles County, California 90026

AEI Project No. 316456

Prepared for:
Aragon Properties Ltd.
1590 Rosecrans Avenue, Suite #D-303
Manhattan Beach, California 90266

Prepared by:
AEI Consultants
5933 West Century Boulevard, Suite 360
Los Angeles, California 90045
(310) 798-4255

San Francisco HQ
Atlanta
Chicago
Dallas
Denver
Irvine
Los Angeles
Miami
New York
Phoenix
Portland
San Jose

PROJECT SUMMARY

1185-1245 West Sunset Boulevard, Los Angeles, Los Angeles County, California

Report Section		No Further Action	REC	HREC	BER	Recommended Action
2.1	Current use of subject property	**X**				
2.2	Adjoining property information	**X**				
3.1	Historical Summary		**X**			**Phase II Subsurface Investigation**
4.0	Regulatory Agency Records Review		**X**			**See Above**
5.0	Regulatory Database Records Review		**X**			**See Above**
6.3	Previous Reports		**X**			**See Above**
7.0	Site Inspection and Reconnaissance		**X**			**See Above**
7.2.1	Asbestos-Containing Materials				**X**	**See Findings Section Below**
7.2.2	Lead-Based Paint				**X**	**See Findings Section Below**
7.2.3	Radon	**X**				
7.2.4	Lead in Drinking Water	**X**				
7.2.5	Mold	**X**				

EXECUTIVE SUMMARY

AEI Consultants (AEI) was retained by Aragon Properties, Ltd. to conduct a Phase I Environmental Site Assessment (ESA), in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 1185-1245 West Sunset Boulevard in the City of Los Angeles, Los Angeles County, California. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report.

PROPERTY DESCRIPTION

The subject property, which consists of a hardware store with associated storage buildings, a residence, a car wash, a vacant lot, and a restaurant, is located on the east side of West Sunset Boulevard in a mixed commercial and residential area of Los Angeles, California. The property totals approximately 2.66 acres and is improved with ten (10) single-story, slab-on-grade buildings totaling approximately 30,000 square feet. The subject property is currently occupied by a car wash business, Reliable Do It Center, film storage company, and residential tenants. On-site operations include car wash and small-scale auto repair operations, retail of home improvement goods, film storage, and daily residential activities. In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

During the site reconnaissance, hazardous materials consisting of containers of waste oil and oil filters were observed in connection with auto repair operations. Environmental concerns associated with the storage and/or use of these materials were noted during the site reconnaissance and/or during the review of regulatory records. Please refer to the *Findings* section below and Section 7.1 for additional information.

From at least 1906, the entire subject property consisted of vacant lots with single-family residences on the southern and eastern portions.

From at least 1927 to at least 1961, the southern portion of the subject property associated with the addresses 1181 (historical address) and 1185 West Sunset Boulevard, was developed with a gas station. The current structures were developed for gas station and auto repair purposes in the early 1960's. Gas station operations were conducted until at least 1970 and were subsequently phased out.

According to building records, in 1933, the portion of the subject property associated with 1201 West Sunset Boulevard, was issued a permit for an oil depot. No further pertinent information was available from other resources during this investigation.

From at least 1927, the portion of the subject property currently associated with the addresses 1205 and 1207 West Sunset Boulevard, was developed with a commercial building on the western portion and a residential building on the eastern portion. The southern portion of the commercial building, identified with 1205 Sunset Boulevard, was a store in 1950, upholstery company from 1953 to 1954, plastic key tag manufacturer from 1956 to 1958, and time controls manufacturer from 1962 to 1970. The northern portion of the commercial building, identified with 1207 West Sunset Boulevard, was a chemical manufacturer of disinfectants from 1950 to 1954 and a valve manufacturer from 1957 to 1970. Since no information was available regarding the use of the building from 1927 to 1950, there is a possibility that chemical

manufacturing was conducted since 1927. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's. The residential building is currently vacant.

From at least 1927, the portion of the subject property currently associated with the address 1211 West Sunset Boulevard was developed with a commercial/industrial building. This building was occupied by a fruit products company in 1937, a shade manufacturer in at least 1942, and a printing facility from at least 1950 to at least 1971. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's.

In 1906 the portion of the subject property currently associated with the address 1229 Sunset Boulevard, was undeveloped land. According to a 1946 building permit, a gas station building was replaced by a store. No further information regarding this possible gas station was found. From at least 1950, this portion of the property was developed with a commercial building, which was occupied by a furniture company in 1950, a hood & pad manufacturer/sign manufacturer/painting company in 1953, neon sign manufacturer/sign manufacturer/painting company from 1954 to 1960, and a sash and door warehouse from 1964 to 1970. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's.

From at least 1927, the portion of the subject property currently associated with the addresses 1235, 1237, and 1239 Sunset Boulevard was developed with a commercial/industrial building. The building was occupied by a woodworking and sign painting company in 1950, a sign manufacturer and painting company in 1954, a sash and door warehouse from 1957 to 1960, and sign painting company from 1964 to 1970. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's.

Historical tenants/operations of concern are further discussed in the *Findings* Section and Sections 3.1, 3.2, 3.3, 3.4, 4.1.3, 4.1.7, 5.1, and 6.1.1.

The remaining portions of the subject property have been used for residential purposes from at least 1906 to the present.

The subject property was identified in the regulatory database report as an EDR US Historical Auto Station site, and is further discussed in Section 5.1.

The immediately surrounding properties consist of the following:

Direction from Site	Address-Tenant/Use
North	Single- and multi-family residences
Northeast	Everett Street, followed by single- and multi-family residences
East (abutting)	Single- and multi-family residences
Southeast	Everett Street, followed by multi-family residences and Seng Auto Repair (1165 West Sunset Boulevard)
Southwest	West Sunset Boulevard, followed by single- and multi-family residences and API Audio Products (1176 West Sunset Boulevard)
West	West Sunset Boulevard, followed by multi-family residences, a vacant lot, and a multi-tenant commercial building (1218 West Sunset Boulevard)

The adjacent site to the west, identified as 1218 West Sunset Boulevard, was listed in the regulatory database report as an EDR US Historical Auto Station site. The adjacent site to the

south, identified as Seng Auto at 1165 West Sunset Boulevard, was listed in the regulatory database report a California Facility Inventory Database Underground Storage Tank (CA FID UST), Statewide Environmental Evaluation and Planning System (SWEEPS UST), EDR Historical Auto Station, Historical Cortese (HIST CORTESE), and Leaking Underground Storage Tank (LUST) site. Please refer to Section 5.1.

Based upon topographic map interpretation and the *Underground Storage Tank Low Risk Case Review Form* for G.H. Palmer & Associates at 867 Cesar Chavez Avenue, located approximately 0.42 mile southeast of the subject property, obtained from the Regional Water Quality Control Board's (RWQCB's) GeoTracker website, the direction of groundwater flow beneath the subject property is inferred to be to the southwest. According to the Phase II Investigation conducted in 2005 for the subject property, soil borings were advanced to 30 feet below ground surface (bgs) and groundwater was not encountered. However, according to the *Underground Storage Tank Low Risk Case Review Form* for G.H. Palmer & Associates at 867 Cesar Chavez Avenue, located approximately 0.42 mile southeast of the subject property, depth to groundwater occurred at 12 to 20 feet bgs.

FINDINGS

Recognized Environmental Conditions (RECs) are defined by the ASTM Standard Practice E1527-05 as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. AEI's assessment has revealed the following RECs associated with the subject property or nearby properties:

- According to historical sources, in 1927, the southern portion of the subject property associated with the addresses 1181 (historical address) and 1185 West Sunset Boulevard, was developed with a gas station. The current structures were developed for gas station and auto repair purposes in the early 1960's. Gas station operations were conducted until at least 1970 and were subsequently phased out. During AEI's site reconnaissance, AEI observed patched areas of asphalt on the southern portion of 1185 West Sunset Boulevard. The patched areas appear to be the locations of USTs associated with the historical gas station. According to Mr. Steve Wintner, subject property owner, four USTs are currently located at the subject property. No information regarding the sizes or dates of installation of the USTs was available. AEI reviewed a portion of the 2005 *Phase I Environmental Site Assessment and Limited Subsurface Investigation for the Property Located at Sunset Boulevard and Everett Street*, prepared by Petra Geotechnical, Inc. (Petra). According to this previous report, a subsurface geophysical survey conducted at the subject property delineated the location of four UTs and a waste oil UST in the rear of the car wash. Petra conducted soil sampling in the vicinities of the USTs. The results of the soil sample analysis were that trace amounts of TPH were encountered in one sample collected at 22 feet bgs from the vicinity of the waste oil UST. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or VOCs related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them. In addition, the subsurface sampling was conducted over 7 years ago and soil vapor testing was not conducted. The presence of the USTs at the subject property represents a REC.
- AEI observed two clarifiers at 1185 West Sunset Boulevard. One clarifier was located in the garage and the other clarifier was located in the car washing area. According to records

from the Los Angeles Bureau of Sanitation Industrial Waste Management District (LABS IWMD), permits to operate a clarifier were issued to the subject property in 1961, 1994, 2009, and 2011 for auto wash activities. It is unknown if all of the permits refer to the same clarifier. However, since the permits were issued for auto wash activities, it is presumed that these permits refer to the clarifier located in the current car washing area. This clarifier is further discussed in the BER Section, below. The clarifier located in the garage appears to have been associated with auto repair operations. Clarifiers are used to treat waste water streams. There is a potential that oils or solvents present in the waste stream could impact the subsurface of the subject property if the clarifier or drain system was compromised. The collection and analysis of soil samples would be necessary to determine if the use of the clarifier has impacted the subject property. Based on the presumed use of this clarifier for auto repair operations and the on-site historical use of hazardous materials, the clarifier located in the garage represents a REC.

- Areas of the subject property have historically been used for various industrial purposes since the 1920's. The southern portion of the subject property associated with the addresses 1181 (historical address) and 1185 West Sunset Boulevard, was used for car washing and auto repair operations from the mid 1960's to the present. These operations are typically associated with the use of hazardous materials, including solvents and oils. According to building records, in 1933, the portion of the subject property associated with 1201 West Sunset Boulevard, was issued a permit for an oil depot. The portion of the subject property currently associated with the addresses 1205 and 1207 West Sunset Boulevard, was historically used for industrial purposes. The southern portion of the building was occupied by a plastic key tag manufacturer from 1956 to 1958, and time controls manufacturer from 1962 to 1970. The northern portion of the building was occupied by a chemical manufacturer of disinfectants from 1950 to 1954 and a valve manufacturer from 1957 to 1970. Since no information was available regarding the use of the building from 1927 to 1950, there is a possibility that chemical manufacturing was conducted since as early as 1927. These manufacturing operations are typically associated with hazardous materials including petroleum hydrocarbons and solvents. The portion of the subject property currently associated with the address 1211 West Sunset Boulevard was developed with a commercial/industrial building from at least 1927. This building was occupied by a shade manufacturer in at least 1942 and a printing facility from at least 1950 to at least 1971. Many printing industries generate waste ink and ink sludges that might contain solvents or heavy metals. Photographic processes are also typically associated with major printing operations for image conversion and plate making. Photographic wastes, including heavy metal solutions, developers, hardeners, plating chemicals, and spent solvents, make up a large portion of the hazardous waste generated in these industries. Solvents used during printing operations may include chlorinated solvents, which are highly mobile and can easily accumulate in the soil. These solvents, even when properly stored and disposed of, can be released from these facilities in small, frequent releases through floor drains, cracked concrete, and sewer systems. The portion of the subject property currently associated with the address 1229 Sunset Boulevard was historically occupied by a hood & pad manufacturer/sign manufacturer/painting company in 1953 and a sign manufacturer/sign manufacturer/painting company from 1954 to 1960. In addition, the portion of the subject property currently associated with the addresses 1235, 1237, and 1239 Sunset Boulevard was developed with a commercial/industrial building. The building was occupied by a woodworking and sign painting company in 1950, a sign manufacturer and painting company in 1954, a sash and door warehouse from 1957 to 1960, and sign

painting company from 1964 to 1970. It is likely that these former industrial tenants utilized hazardous materials including oils, lubricants, and solvents. Records pertaining to the use of hazardous materials for the previous industrial tenants were not available as they operated during a time when the regulatory measures governing the use of hazardous materials of this nature were not as stringent as they are today. Based on the length of time the industrial operations were conducted, the historical on-site industrial operations represent a REC.

- In 1946, a building permit was issued to 1229 West Sunset Boulevard for an alteration of a present gas station building into a store. The next earliest historical information available was a 1906 Sanborn that depicted this portion of the property as undeveloped. There is a possibility that a gas station was present from sometime after 1906 until 1946. In the 1938 aerial photograph, there is a small structure present in this portion of the property, however, due to the resolution of the photograph, additional details were not reasonably ascertainable. No other pertinent information was available regarding the potential historical gas station. The possibility of a historical gas station at 1229 West Sunset Boulevard represents a REC.

Historical Recognized Environmental Conditions (HRECs) are defined by the ASTM Standard Practice E1527-05 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. AEI's assessment has revealed the following HRECs associated with the subject property or nearby properties:

- No on-site HRECs were identified during the course of this assessment.

De Minimis Environmental Conditions include environmental concerns identified by AEI that warrant discussion but do not qualify as RECs, as defined by the ASTM Standard Practice E1527-05. AEI's assessment has revealed the following de minimis environmental conditions associated with the subject property or nearby properties:

- AEI observed four 55-gallon drums of waste oil and two 55-gallon drums of used oil filters in the hazardous materials storage area located on the eastern portion of 1185 West Sunset Boulevard. The drums were equipped with secondary containment. However, staining was observed on the ground in the vicinity of the drums. The staining appears to be surficial and therefore represents a de minimis condition.

Business Environmental Risks (BERs) include risks which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of the subject property, not necessarily limited to those environmental issues required to be investigated in the standard ASTM scope. BERs may affect the liabilities and financial obligations of the client, the health & safety of site occupants, and the value and marketability of the subject property. AEI's assessment has revealed the following BERs associated with the subject property or nearby properties:

- According to the City of Los Angeles Department of Building & Safety and Department of Planning, the subject property is located near significant oil production areas known as "Methane Zones". Methane Zone sites include sites immediately surrounding gas sources and where testing and mitigation are required by the City of Los Angeles Department of

Building and Safety. Due to the potential environmental risk associated with construction in Methane Zones, the property owner is required to conduct a methane assessment prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code). AEI recommends that a methane assessment be conducted for the subject property prior to any future redevelopment activities.

- AEI observed two clarifiers at 1185 West Sunset Boulevard. One clarifier was located in the garage and the other clarifier was located in the car washing area. According to records from the LABS IWMD, a clarifier permit was issued to the subject property in 1961 for occasional auto wash activities. A permit was issued in 1994 for a three-stage clarifier for auto wash activities. This permit was reissued in 2009 and in 2011. It is unknown if the permits issued in 1961 and 1994 refer to the same clarifier. However, it appears that the clarifier located outside is used for car washing. No heavy machinery or industrial vehicles are washed at the facility, which is designed for automobile use only. The interior engine compartment and vehicle undercarriage is not washed at the facility. The washing solutions used on site, though stored in concentrated form, do not contain hazardous solvents. Although concentrations of detergents and oil residues may accumulate in the subsurface in the event the separator is compromised, a significant release of hazardous materials or petroleum products at the subject property is unlikely. Based on the presumed use of this clarifier for car washing activities, the clarifier located in the car washing area represents a BER.

- The subject property is equipped with one above-ground hydraulic lift within the garage at 1185 West Sunset Boulevard. In addition, AEI observed an area within the garage that is indicative of a former underground hydraulic lift. It is unknown when the lifts were installed; however, the subject property has operated as a gas station from at least 1927 and as an automotive repair from at least the mid 1960's. Therefore, it is possible that the former underground lift was installed as early as the 1960's. Polychlorinated biphenyls (PCBs) were used in the past in dielectric fluids and oils in a variety of equipment, including hydraulic lift equipment. Soil testing was reportedly conducted by Petra in 2007 and no significant impacts were reported. Since redevelopment of the subject property is planned, additional testing may be warranted at that time.

- Due to the age of the subject property buildings, there is a potential that asbestos-containing materials (ACMs) are present. During the site inspection damaged vinyl floor tiles were observed in 1229 West Sunset Boulevard. Based on the potential presence of ACMs, AEI recommends the property owner implement an Operations and Maintenance (O & M) Plan which stipulates that the assessment, repair and maintenance of damaged materials be performed to protect the health and safety of the building occupants. Additionally, according to Mr. Fred Shaffer, representative of the client, Aragon Properties Ltd., demolition of the buildings are planned for the near future. Regardless of building construction date, the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol be performed prior to demolition or renovation activities that may disturb ACMs. This requirement may be enforced by the local air pollution control or air quality management district, and specifies that all suspect asbestos-containing materials (ACMs) be sampled to determine the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants. Similarly, Occupational Safety and Health Administration (OSHA)

regulations require that specific work practices be implemented when handling construction materials and debris that contain lead-containing materials.

- Due to the age of the subject property buildings, there is a potential that LBP is present. All painted surfaces were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. However, based on the potential presence of LBP and nature of occupancy, AEI recommends the property owner implement an Operations and Maintenance (O & M) Plan to protect the health and safety of the building occupants. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62. Additionally, AEI understands that demolition activities of the subject property buildings are planned. AEI recommends that the property owner consult with a certified Lead Risk Assessor to determine options for control of possible LBP hazards. Stringent local and State regulations may apply to LBP in association with building demolition/renovations and worker/occupant protection. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

CONCLUSIONS, OPINIONS AND RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment for the property located at 1185-1245 West Sunset Boulevard in the City of Los Angeles, Los Angeles County, California, in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312). Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of RECs in connection with the property except for those previously identified in the *Findings* section. AEI recommends the performance of a Phase II Subsurface Investigation.

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FIGURES

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1.0 INTRODUCTION

This report documents the methods and findings of the Phase I Environmental Site Assessment (ESA) performed in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) for the property located at 1185-1245 West Sunset Boulevard in the City of Los Angeles, Los Angeles County, California (Figure 1: Site Location Map, Figure 2: Site Map, and Appendix A: Property Photographs).

1.1 SCOPE OF WORK

The purpose of the Phase I Environmental Site Assessment is to assist the client in identifying potential environmental liabilities associated with the presence of any hazardous substances or petroleum products, their use, storage, and disposal at and in the vicinity of the subject property, as well as regulatory non-compliance that may have occurred at the subject property. Property assessment activities focused on: 1) a review of federal, state, tribal and local databases that identify and describe underground fuel tank sites, leaking underground fuel tank sites, hazardous waste generation sites, and hazardous waste storage and disposal facility sites within the ASTM approximate minimum search distance; 2) a property and surrounding site reconnaissance, and interviews with the past and present owners and current occupants and operators to identify potential environmental contamination; and 3) a review of historical sources to help ascertain previous land use at the site and in the surrounding area.

The goal of AEI Consultants in conducting the Phase I Environmental Site Assessment was to identify the presence or likely presence of any hazardous substances or petroleum products on the property that may indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into the soil, groundwater, or surface water of the property.

1.2 SIGNIFICANT ASSUMPTIONS

The following assumptions are made by AEI Consultants in this report. AEI Consultants relied on information derived from secondary sources including governmental agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, and personal interviews. AEI Consultants has reviewed and evaluated the thoroughness and reliability of the information derived from secondary sources including government agencies, the client, designated representatives of the client, property contact, property owner, property owner representatives, computer databases, or personal interviews. It appears that all information obtained from outside sources and reviewed for this assessment is thorough and reliable. However, AEI cannot guarantee the thoroughness or reliability of this information.

Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent sites are assumed based on contours depicted on the United States Geological Survey topographic maps. AEI Consultants assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner's representatives.

1.3 LIMITATIONS

Property conditions, as well as local, state, tribal and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. AEI Consultants makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, vapor intrusion, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of the property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-05.

If requested by the client, these non-scope issues are discussed in Section 7.2. Otherwise, the purpose of this assessment is solely to satisfy one of the requirements for qualification of the innocent landowner defense, contiguous property owner or bona fide prospective purchaser under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). ASTM Standard Practice E1527-05 and the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) constitute the "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in:

1) 42 U.S.C § 9601(35)(B), referenced in the ASTM Standard Practice E1527-05.

2) Sections 101(35)(B) (ii) and (iii) of CERCLA and referenced in the EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312).

3) 42 U.S.C. 9601(40) and 42 U.S.C. 9607(q).

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of assessment into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit.

Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted

procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.4 LIMITING CONDITIONS

The performance of this Phase I Environmental Site Assessment was limited by the following conditions:

- AEI did not have access to the residential buildings associated with 1245 West Sunset Boulevard, the single-family residence associated with 1205 West Sunset Boulevard, and the commercial building associated with 1201 West Sunset Boulevard. Based on the use of the buildings for typical residential activities and film equipment storage, this limitation is not expected to significantly alter the findings of this report.

- On February 5, 2013, AEI contacted the Los Angeles Fire Department Hazardous Materials Division (LAFD HAZMAT) for information on the subject property to identify any evidence of previous or current hazardous material usage. AEI received a response stating that files exist for 1185 and 1229 West Sunset Boulevard. However, the files have not been made available at this time. Upon reviewing pertinent information in connection with the subject property, AEI will immediately issue an addendum to this report if items of environmental concern are identified. However, based on the quality of information obtained from other sources, this limitation is not expected to significantly alter the findings of this assessment.

1.5 DATA GAPS AND DATA FAILURE

According to ASTM E1527-05, data gaps occur when the Environmental Professional is unable to obtain information required, despite good faith efforts to gather such information.

Data failure is one type of data gap. According to ASTM E1527-05 "data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met". Pursuant to ASTM Standards, historical sources are required to document property use back to the property's first developed use or back to 1940, whichever is earlier.

The following data gap was identified during the course of this assessment:

Data Gap:	The earliest historical resource obtained during this investigation was a 1906 Sanborn map which indicated that the subject property was developed with single-family residences and vacant lots. The lack of historical sources for the subject property dating back to first developed use represents historical data source failure.				
Does this data gap affect the EP's ability to identify RECs?		Yes		No	X
Rationale	AEI presumes that prior to 1906 the subject property would have been used for residential purposes, if not undeveloped. Based on this notion, this data gap is not expected to significantly alter the findings of this investigation.				
Information/ sources consulted	Sanborn Maps, Aerial Photographs, City Directories, Building Records				

1.6 RELIANCE

All reports, both verbal and written, are for the benefit of Aragon Properties, Ltd. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Aragon Properties, Ltd. on February 1, 2013. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

2.0 SITE AND VICINITY DESCRIPTION

2.1 SITE LOCATION AND DESCRIPTION

The subject property, which consists of a hardware store with associated storage buildings, a residence, a car wash, a vacant lot, and a restaurant, is located on the east side of West Sunset Boulevard in a mixed commercial and residential area of Los Angeles, California. The property totals approximately 2.66 acres and is improved with ten (10) single-story, slab-on-grade buildings totaling approximately 30,000 square feet. The subject property is currently occupied by a car wash business, Reliable Do It Center, film storage company, and residential tenants. On-site operations include car wash and small-scale auto repair operations, retail of home improvement goods, film storage, and daily residential activities. In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping.

During the site reconnaissance, hazardous materials consisting of containers of waste oil and oil filters were observed in connection with auto repair operations. Environmental concerns associated with the storage and/or use of these materials were noted during the site reconnaissance and/or during the review of regulatory records. Please refer to Section 7.1 for additional information.

The subject property was identified in the regulatory database report as an EDR US Historical Auto Station site, and is further discussed in Section 5.1.

The Assessor's Parcel Numbers (APNs) for the subject property are 5406-016-003, 5406-016-006, 5406-016-007, 5406-016-010, 5406-016-011, 5406-016-013, 5406-016-016, 5406-016-018, 5406-016-019, 5406-016-021, 5406-016-023, and 5406-016-028. According to Mr. Fred Shaffer, representative of Aragon Properties Ltd., heating and cooling systems on the subject property are fueled by natural gas and electricity provided by Southern California Gas and Los Angeles Department of Water and Power (LADWP), respectively, and potable water and sewage disposal are provided by LADWP.

Refer to Figure 1: Site Location Map, Figure 2: Site Map, and Appendix A: Property Photographs for site location.

2.2 SITE AND VICINITY CHARACTERISTICS

The subject property is located in a mixed commercial and residential area of Los Angeles. The immediately surrounding properties consist of the following:

Direction from Site	Address-Tenant/Use
North	Single- and multi-family residences
Northeast	Everett Street, followed by single- and multi-family residences
East (abutting)	Single- and multi-family residences
Southeast	Everett Street, followed by multi-family residences and Seng Auto Repair (1165 West Sunset Boulevard)
Southwest	West Sunset Boulevard, followed by single- and multi-family residences and API Audio Products (1176 West Sunset Boulevard)

West	West Sunset Boulevard, followed by multi-family residences, a vacant lot, and a multi-tenant commercial building (1218 West Sunset Boulevard)

The adjacent site to the west, identified as 1218 West Sunset Boulevard, was listed in the regulatory database report as an EDR US Historical Auto Station site. The adjacent site to the south, identified as Seng Auto at 1165 West Sunset Boulevard, was listed in the regulatory database report a CA FID UST, SWEEPS UST, EDR Historical Auto Station, HIST CORTESE, LUST, Please refer to Section 5.1.

2.3 PHYSICAL SETTING

Geology: According to the United States Department of Agriculture's Report and General Soil Map for Los Angeles County, the area surrounding the subject property is underlain by soils of the Altamont-Diablo Association. The soils of this association occur throughout the Los Angeles basin and along the Ventura County line north of Highway 101. Elevations range from near sea level to 1,500 feet with 30 to 50 percent slopes. Altamont soils make up about 60 percent and Diablo soils 30 percent of this association. These soils are used extensively for residential development, for watershed and wildlife.

Altamont soils are 24 to 36 inches deep, are well drained, and have slow subsoil permeability. They have dark brown, neutral, clay surface layers about 12 inches thick underlain by a brown, calcareous clay subsoil. Partially weathered calcareous soft shale or sandstone occurs at depths of 24 to 36 inches. Available water-holding capacity is 4 to 6 inches for 24 to 36 inches of soil depth.

Diablo soils are 22 to 52 inches deep, are well drained, and have slow subsoil permeability. They have dark gray, neutral, clay surface layers about 20 inches thick underlain by dark grayish-brown strongly calcareous clay subsoils. Very strongly calcareous shale occurs at depths of 22 to 52 inches. Outcrops of hard shale make the surface rocky in a few places. Available water holding capacity is 3.5 to 7.5 inches for 22 to 52 inches of soil depth.

According to information obtained from the Underground Storage Tank Low Risk Case Review Form for G.H. Palmer & Associates, located at 867 Cesar Chavez Avenue, located approximately 0.42 mile southeast of the subject property, soil in the vicinity of the site consists of silty clay, and silty sand to a depth of 40 feet bgs.

USGS Topographic Map:	Los Angeles, California Quadrangle (1966)
Nearest surface water to subject property :	Echo Lake/0.56 mile west
Gradient Direction/Source:	Southwest/RWQCB's GeoTracker
Estimated Depth to Groundwater/Source:	12-20 feet bgs/RWQCB's GeoTracker

3.0 HISTORICAL REVIEW OF SITE AND VICINITY

3.1 HISTORICAL SUMMARY

Reasonably ascertainable standard historical sources as outlined in ASTM Standard E1527-05 were used to determine previous uses and occupancies of the subject property that are likely to have led to RECs in connection with the subject property. A chronological summary of historical data found, including but not limited to aerial photographs, historic city directories, Sanborn fire insurance maps and agency records is as follows:

Date Range	Subject Property Description/Use	Source(s)
1906	Vacant land and residential buildings	Sanborn Maps
1927-present	Residential and commercial/industrial buildings used for manufacturing, printing, gas station servicing, auto repair, and retail	Sanborn Maps, Aerial Photographs, City Directories, Building Records, Interviews

From at least 1906, the entire subject property consisted of vacant lots with single-family residences on the southern and eastern portions.

From at least 1927 to at least 1961, the southern portion of the subject property associated with the addresses 1181 (historical address) and 1185 West Sunset Boulevard, was developed with a gas station. The current structures were developed for gas station and auto repair purposes in the early 1960's. Gas station operations were conducted until at least 1970 and were subsequently phased out.

From at least 1927, the portion of the subject property currently associated with the addresses 1205 and 1207 West Sunset Boulevard, was developed with a commercial building on the western portion and a residential building on the eastern portion. The southern portion of the commercial building, identified with 1205 Sunset Boulevard, was a store in 1950, upholstery company from 1953 to 1954, plastic key tag manufacturer from 1956 to 1958, and time controls manufacturer from 1962 to 1970. The northern portion of the commercial building, identified with 1207 West Sunset Boulevard, was a chemical manufacturer of disinfectants from 1950 to 1954 and a valve manufacturer from 1957 to 1970. Since no information was available regarding the use of the building from 1927 to 1950, there is a possibility that chemical manufacturing was conducted since 1927. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's. The residential building is currently vacant.

From at least 1927, the portion of the subject property currently associated with the address 1211 West Sunset Boulevard was developed with a commercial/industrial building. This building was occupied by a fruit products company in 1937, a shade manufacturer in at least 1942, and a printing facility from at least 1950 to at least 1971. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's.

In 1906 the portion of the subject property currently associated with the address 1229 Sunset Boulevard, was undeveloped land. According to a 1946 building permit, a gas station building was replaced by a store. No further information regarding this possible gas station was found. From at least 1950, this portion of the property was developed with a commercial building, which was occupied by a furniture company in 1950, a hood & pad manufacturer/sign manufacturer/painting company in 1953, neon sign manufacturer/sign manufacturer/painting company from 1954 to 1960, and a sash and door warehouse from 1964 to 1970. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's.

From at least 1927, the portion of the subject property currently associated with the addresses 1235, 1237, and 1239 Sunset Boulevard was developed with a commercial/industrial building. The building was occupied by a woodworking and sign painting company in 1950, a sign manufacturer and painting company in 1954, a sash and door warehouse from 1957 to 1960, and sign painting company from 1964 to 1970. The current tenant, Reliable Do It Center, has occupied the building from at least the mid 1970's.

The subject property was historically used for various manufacturing and auto repair operations since at least the 1940's. These operations are typically associated with the use of hazardous materials, including solvents and oils. In addition, the subject property was also historically used for printing operations. Many printing industries generate waste ink and ink sludges that might contain solvents or heavy metals. Photographic processes are also typically associated with major printing operations for image conversion and plate making. Photographic wastes, including heavy metal solutions, developers, hardeners, plating chemicals, and spent solvents, make up a large portion of the hazardous waste generated in these industries. Solvents used during printing operations may include chlorinated solvents, which are highly mobile and can easily accumulate in the soil. These solvents, even when properly stored and disposed of, can be released from these facilities in small, frequent releases through floor drains, cracked concrete, and sewer systems. The historical on-site industrial operations represent a REC. Historical tenants/operations of concern are further discussed in Sections 3.2, 3.3, 3.4, 4.1.3, 4.1.7, 5.1, and 6.1.1.

In addition, the subject property was historically a gas station from at least 1925 until at least 1970. Environmental concerns associated with the former gas station are further discussed in Section 7.1.

The remaining portions of the subject property have been used for residential purposes from at least 1906 to the present.

Based on a review of historical sources, the following historical addresses were associated with the subject property: 1181-1253 Sunset Boulevard (odds) and 917, 959-965 Everett Street (odds). These addresses were also researched as part of this assessment.

If available, copies of historical sources are provided in the report appendices.

3.2 AERIAL PHOTOGRAPH REVIEW

AEI Consultants reviewed aerial photographs of the subject property and surrounding area. Aerial photographs were reviewed for the following years:

Date(s)	Scale	Subject Property Description	Surrounding Area Descriptions
1927	1″=500′	The southern portion is developed with buildings. Due to the poor quality of the aerial photograph, features on the southernmost lot are not discernable. The central portion is developed with two commercial buildings, identified as 1205, 1207, 1211 Sunset Boulevard from Sanborn maps, and a residential building. The central portion further north is vacant land. The northwestern portion is developed with a commercial/industrial building, identified as 1235, 1237, 1239 Sunset Boulevard from Sanborn maps. The northernmost and northeastern lots are developed with residential buildings.	**North:** Residential development **Northeast:** Residential development **East (abutting):** Residential development **Southeast:** Developed with a residential or commercial building **Southwest:** Residential development **West:** Residential development and vacant lots
1938	1″=500′	No significant changes; except a small structure is present in the central portion of the property.	**North:** No significant changes **Northeast:** No significant changes **East (abutting):** No significant changes **Southeast:** Developed with a commercial/industrial building consistent with current auto repair structure **Southwest:** One of the multi-family residences is not longer present **West:** No significant changes
1947	1″=500′	The northwestern portion is developed with a commercial building, identified as 1243 Sunset Boulevard. The western portion is developed with a commercial/industrial building, identified as 1229 Sunset Boulevard.	No significant changes
1956	1″=500′	A parking lot has been added to the central portion, north of 1211 Sunset Boulevard. The commercial/industrial buildings on the northwestern portion have been extended.	No significant changes with the exception that a structure consistent with a gas station has been developed on the adjacent site to the southeast
1965	1″=500′	The southern portion is developed with the two current commercial/industrial buildings	No significant changes with the exception that a commercial building has been developed on the adjacent site to the northwest

1976	1"=500'	The southern portion is developed with the current commercial/industrial building. The central western portion is developed with a parking lot.	No significant change with the exception that a commercial building has been developed on the adjacent site to the west
1989, 1994, 2005, 2009, 2010	1"=500' 1"=500' 1"=500' 1"=500' 1"=500'	No significant changes	No significant changes with the exception that a commercial building has been develop on the adjacent site to the southwest

3.3 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas. A search was made of EDR's collection of Sanborn Fire Insurance maps.

Sanborn maps were available and reviewed for the years 1906, 1950, 1953, 1954, 1957, 1960, 1964, 1965, 1968, and 1970.

Date(s)	Subject Property Description	Surrounding Area Descriptions
1906	The southern portion of the subject property is developed with three single-family residences with the addresses 1193, 1197, and 1201 Sunset Boulevard. The northwestern portion is developed with a single-family residence associated with the address 1243 Sunset Boulevard. The northeastern lot off of Everett Street is developed with a single-family residence associated with the address 959 Everett Street.	**North:** The portion off of Sunset Boulevard consists of vacant lots. The portion off of Everett Street is developed with single-family residences, out houses, and a stable **Northeast:** Single-family residences **East (abutting):** Single-family residences and vacant lots **Southeast:** Single-family residences and vacant lots **Southwest:** Single-family residences and vacant lots **West:** Single-family residences and vacant lots
1950	The southernmost lot is developed with a gas and oil station associated with the address 1181 Sunset Boulevard. According to building records, gas station structures were developed in 1925. The northernmost single-family residence is also associated with the address 1203 Sunset Boulevard. The lot to the north of that is developed with a store and "chem" manufacturing building on the western portion, associated with 1205 and 1207 Sunset Boulevard, respectively. Storage, garage, and duplex are present on the central and eastern portions. A printing facility, associated with the address 1211 Sunset Boulevard, is present further to the north. Vacant lots are present further to the north, followed by a furniture	**North:** The lot off of Sunset Boulevard is developed with ten single-family residences. The lots off of Everett Street are developed with several single- and multi-family residences. **Northeast:** Single-family residences **East (abutting):** Several single- and multi-family residences. **Southeast:** The northern lots are developed with single- and multi-family residences. The southern lot is developed with a gas and oil station (900 Everett Street) and building used for auto painting, a battery shop, stores, and auto repairing. **Southwest:** No significant changes **West:** Single- and multi-family residences, retail stores, and vacant lots

	building, associated with 1229 Sunset Boulevard. Further north is a building used for wood working, a store, and sign painting, associated with 1235, 1237, and 1239, respectively. The single-family residence formerly on the northwestern portion has been replaced by Latter Rain Church, associated with 1243 Sunset Boulevard, on the western portion, and a single-family residence, associated with 1245 Sunset Boulevard, on the eastern portion. The northwestern-most lot is developed with a single-family residence associated with 1247 Sunset Boulevard. The northeastern lot is developed with an additional single-family residence associated with 959½ Everett Street.	
1953	The former store at 1205 Sunset Boulevard is now used for upholstery. The former furniture building at 1229 Sunset Boulevard has been extended and is now used for hood & pad manufacturing (1229) and sign manufacturing & painting (1231). The former wood working and store spaces, associated with 1235 and 1237 Sunset Boulevard, have been combined. Due to the poor quality of the Sanborn map, the use of this new space is not clear. The sign painting unit has been extended. The church is now occupied by a Jewish temple.	No significant changes
1954	The building at 1229 and 1231 is now used for neon sign manufacturing and sign manufacturing and painting. It appears to be associated with the adjacent building to the north, which is also used for sign manufacturing and painting.	**North:** No significant changes **Northeast:** No significant changes **East (abutting):** No significant changes **Southeast:** The former auto painting space is now used as storage **Southwest:** No significant changes **West:** An additional building with two stores has been added
1957	The building associated with 1205 and 1207 Sunset Boulevard is now used for plastic key tag manufacturing and valve manufacturing, respectively. The building associated with 1235 and 1237 Sunset Boulevard is now used as a sash and door warehouse.	No significant changes
1960	The building associated with 1205 Sunset Boulevard is no longer used for plastic key tag manufacturing.	No significant changes with the exception that an office building has been constructed to the northwest
1964	The gas and oil station on the southern portion of the property has been developed with a building and structure	No significant changes

	and is associated with 1185 Sunset Boulevard. The single-family residences on the southwestern portion are no longer present. 1205 Sunset Boulevard is now used for time controls manufacturing. The adjacent storage and auto garage building is no longer present. The building at 1227 and 1231 Sunset Boulevard is now used for sash and door warehouse purposes. The building previously associated with 1235 and 1237 Sunset Boulevard is now associated with 1239 Sunset Boulevard and is used for sign printing.	
1965	No significant changes	No significant changes with the exception that a single- and multi-family residence to the east has been replaced with a larger multi-family residence
1968	No significant changes	No significant changes with the exception that two of the multi-family residences to the west are no longer present
1970	The eastern portion of the building associated with 1227 and 1231 Sunset Boulevard has been removed.	No significant changes

3.4 CITY DIRECTORIES

A search of historic city directories was conducted for the subject property by EDR. Directories were available and reviewed for the years 1924, 1929, 1933, 1937, 1939, 1942, 1958, 1962, 1967, 1971, 1976, 2000, 2006, and 2012. The following table summarizes the results of the city directory search.

City Directory Search Results for 1185 Sunset Boulevard

Date(s)	Occupant Listed
1962	J & R Richfield Service A Center
1967	Hernandez Richfield Service
1971, 1976	Hernandez Arco Service
2000	Best Way Hand Car Sempe Auto Repair
2006	Best Way Hand Car O & J Auto Repair and Sales
2012	O & J Auto Repair and Sales

City Directory Search Results for 1193, 1197 Sunset Boulevard

Date(s)	Occupant Listed
1958	Private Residents

City Directory Search Results for 1201 Sunset Boulevard

Date(s)	Occupant Listed
1924, 1929, 1933, 1937, 1939, 1942, 1958	Private Residents

City Directory Search Results for 1203 Sunset Boulevard

Date(s)	Occupant Listed
1924	Private Residents

City Directory Search Results for 1205 and 1205 ½ Sunset Boulevard

Date(s)	Occupant Listed
1924, 1929, 1933, 1937, 1942	Private Residents
1956	Calae Co. Custom Engraving
1958	Calae Co. Custom Engraving and Private Residents
1962	Time O Matic Inc. and Private Residents
1967	Time O Matic Inc.
1971	Private Resident
1976	Y&J Sewing Contractor Co. and Private Resident
1981, 1986, 1990	Y&J Sewing Contractor Co. and Private Residents
2000	Private Resident

City Directory Search Results for 1207 and 1207½ Sunset Boulevard

Date(s)	Occupant Listed
1924, 1929, 1933, 1937, 1942, 1950	Private Residents SANDERS Chemical Mfg Co H J and J B (1937) Adams janitors supp (1937-1942)
1951	Sunset Saunders Chemical Manufacturing Co. Disinfectants
1958, 1962	Superior Controls Co. Inc and The Old Mans Co. Wholesale Sprinklers
1967	Superior Controls Co. Inc, The Old Mans Co. Wholesale Sprinklers, and Private Resident
1971, 1976, 1981, 1986, 1990	Private Residents
2000	A ½ Thai Phat Chi

City Directory Search Results for 1211 Sunset Boulevard

Date(s)	Occupant Listed
1929	Private Residents
1937	California Fruit Products Ltd.
1942	Rollaway Screen Co. Shade Manufacturers
1951	Sunset Bodoni Ltd. Printing and West Sunset Boulevard War Mutilated Children of Italy Benefit Festival
1958	Bodoni Ltd. Printing and Mutilatini Foundation
1962, 1967	Bodoni Ltd. Printing

Date(s)	Occupant Listed
1971	Atlas Paper Co., Bodoni Ltd. Printing, Hollywood Printing Co., and Printers of Hollywood
2000	Xxxx

City Directory Search Results for 917 Everett Street

Date(s)	Occupant Listed
1924, 1929, 1933, 1937, 1942, 1958	Private Residents

City Directory Search Results for 959 Everett Street

Date(s)	Occupant Listed
1924, 1929, 1933, 1937, 1942, 1951, 1958, 1976, 1981	Private Residents
2000	Xxxx

City Directory Search Results for 961 Everett Street

Date(s)	Occupant Listed
1967, 1981, 1986	Private Residents
2000	Xxxx
2006	No Listing

City Directory Search Results for 963 Everett Street

Date(s)	Occupant Listed
1971	Private Resident
2000	Xxxx

City Directory Search Results for 965 and 965½ Everett Street

Date(s)	Occupant Listed
1924, 1929, 1933, 1937, 1942, 1951, 1971, 1976, 1986, 1990, 2000, 2006	Private Residents

According to a review of historical city directories, portions of the subject property have been occupied by private residential tenants from at least 1924. The southern portion of the subject property, associated with the address 1185 Sunset Boulevard was listed as a gas station from 1962 to 1976 as well as a car wash and auto repair facility from 2000 to 2012. The address 1205 Sunset Boulevard was listed as an engraving company from 1956 to 1958 and a time controls manufacturing company (as identified in Sanborn maps) from 1962 to 1967. 1207 Sunset Boulevard was listed as a chemical manufacturer of disinfectants in 1951, and valve manufacturer from 1958 to 1967. 1211 Sunset Boulevard was listed as Rollaway Screen Co. Shade Manufacturers in 1942 and a printing company from 1951 to 1971.

3.5 HISTORICAL TOPOGRAPHIC MAPS

In accordance with our approved scope of services, historical topographic maps were not reviewed as a part of this assessment.

3.6 CHAIN OF TITLE

In accordance with our approved scope of services, a Chain of Title search was not performed as part of this assessment.

4.0 REGULATORY AGENCY RECORDS REVIEW

4.1 REGULATORY AGENCIES

Local and state agencies, such as environmental health departments, fire prevention bureaus, and building and planning departments are contacted to identify any current or previous reports of hazardous materials use, storage, and/or unauthorized releases that may have impacted the subject property. In addition, information pertaining to Activity and Use Limitations (AULs), defined as legal or physical restrictions, or limitations on the use of, or access to, a site or facility, is requested.

4.1.1 HEALTH DEPARTMENT

On February 5, 2013, AEI contacted the Los Angeles County Public Health Investigation (LACPHI) for information on the subject property and nearby sites of concern. Files at this agency may contain information regarding hazardous materials storage, as well as information regarding unauthorized releases of petroleum hydrocarbons or other contaminants that may affect the soil or groundwater in the area.

No information indicating current or prior use or storage of hazardous materials, or the existence of AULs was on file for the subject property with the LACPHI.

4.1.2 FIRE DEPARTMENT

On February 5, 2013, AEI contacted the Los Angeles Fire Department Underground Storage Tank (LAFD UST) for information on the subject property to identify any evidence of previous or current USTs.

No information indicating current or prior use or storage of hazardous materials, or the existence of AULs was on file for the subject property with the LAFD UST.

On February 5, 2013, AEI contacted the Los Angeles Fire Department Hazardous Materials (LAFD HAZMAT) for information on the subject property to identify any evidence of previous or current hazardous material usage.

AEI received a response stating that files exist for 1185 and 1229 West Sunset Boulevard. However, the files have not been made available at this time. Upon reviewing pertinent information in connection with the subject property, AEI will immediately issue an addendum to this report if items of environmental concern are identified. However, based on the quality of information obtained from other sources, this limitation is not expected to significantly alter the findings of this assessment.

4.1.3 BUILDING DEPARTMENT

On February 25, 2013, AEI visited the Los Angeles Department of Building and Safety (LADBS) for information on the subject property in order to identify historical tenants and property use. Please refer to the following table for a listing of permits reviewed:

Building Permits Reviewed for 1181-1187 West Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1914	Schermerhorse	Building Permit for a tenement house (1181)
1925	Shell Co. of California	Building Permit for a service station (1181)
1938	Moroney	Building Permit for service station restrooms and office (1181)
1948	Not legible	Building Permit for an ice box (1181)
1960	Richfield Oil Co.	Building Permit for a service station, new building (1185)
1960	Richfield Oil Co.	Building Permit for a pump island and roof sign (1185)
1961	Richfield Oil Co.	Building Permit for a new service station building (1185)
1961	Richfield Oil Co.	Building Permit for a single-story shelter and roof sign (1185)
1963	Richfield Oil Co.	Building Permit for alteration (1185)
1964	Richfield Oil Co.	Certificate of Occupancy for a single-story canopy (1185)
1967	Richfield Oil Co.	Building Permit for sign and shelter (1185)
1967	Richfield Oil Co.	Building Permit to install cornice and relocate bathroom
1967	Richfield Oil Co.	Building Permit to change footing only (1185)
2002	Steve Wintner	Building Permit for a new detached patio accessory use to car wash (1185)
2004	Steve Wintner	Building Permit for use of land permit for used auto sales

Building Permits Reviewed for 1189-1195 West Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1924	Grover	Building Permit for dwelling (1193)
1975	Steve Wintner	Certificate of Occupancy for a single-story warehouse (1195)

Building Permits Reviewed for 1197- 1203 West Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1905	Stebbin	Building Permit for alteration (1201)
1908	Richert	Building Permit for a barn (1201)
1915	Stuart	Building Permit for a dwelling (1201)
1917	Grinn	Building Permit for a residence (1197)
1922	Heath	Building Permit for a store (1201)
1923	Heath	Building Permit for a private garage dwelling and farm (1203)
1933	Heath	Building Permit for an oil depot, retail refractory oil (1201½)
1945	Weiss	Building Permit for residences (1197)
1965	Foster and Kleiser	Certificate of Occupancy for a single-story shelter and sign (1197)

Building Permits Reviewed for 1205-1207 West Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1922	Stires	Building Permit for stores (1205-1207)
1922	Barnett	Building Permit for dwellings (1205½ -1207½)
1952	Rosen Cross Store	Building Permit for alteration
1963	Emanual Day	Building Permit for existing three commercial and one residence buildings (1205-1207½)
1964	Day	Certificate of Occupancy for single-story stores and two-story duplexes (1205-1207½)
1989	Mr. Yu	Electrical Permit (1205)
2012	Steve Wintner	Building Permit to relocate a water heater (1207)

Building Permits Reviewed for 1209-1231 West Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1926	Barnett	Building Permit for public garage (1211)
1934	American Linen Exchange Co.	Building Permit to alter use from a garage to a towel store (1211)
1937	California Food Products Inc.	Building Permit for a market (1211)
1945	Cox et al	Building Permit for a dwelling (1215)
1946	Irving Koller	Building Permit for a present gas station building to be altered into a store (1229)
1950	Koller	Certificate of Occupancy for addition to an existing store (1229)
1955	Koller	Building Permit for a sign shop (1227-1231)
1956	Koller	Certificate of Occupancy for addition to an existing sign shop (1227-1231)
1961	Not legible	Building Permit for a vacant lot (1219)
1965	Bodoni Limited	Building Permit for a parking lot and print shop (1211-1215)
1990	Wintner	Building Permit for a warehouse (1211-1229)

Building Permits Reviewed for 1233-1239 West Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1922	Kane	Building Permit for stores (1233-1237)
1922	Kane	Building Permit for a garage (1233)
1930	Pipolo	Building Permit for a store (1237)
1931	Borardino	Building Permit for a poultry market (1233)
1933	Pipolo	Building Permit to alter use from a store to a restaurant (1239)
1934	Red Gluch Inn	Building Permit for a Beer Parlor (1239)
1938	Bookstein	Building Permit for a store (1235)
1950	Koller	Certificate of Occupancy for addition to alter; change occupants
1951	Koller	Certificate of Occupancy for alteration of a portion of a store to a café (1235)
1967	Koller	Building Permit to repair fire damage for a sign company

Building Permits Reviewed for 1241-1253 Sunset Boulevard

Year(s)	Owner/Applicant	Description of Permit/Building Use
1922	Stires	Building Permit for a residence (1251-1253)
1922	Ouz	Building Permit for a residence (1247½)
1937	Harvard	Building Permit for a residence (1251-1253)
1947	Not legible	Certificate of Occupancy for a commercial building (1247)
1948	Koller	Certificate of Occupancy for offices (1243)
1962	Sherman	Certificate of Occupancy for single-family residence (1245-1247½)
1962	Posner	Certificate of Occupancy for single-family residence (1251)
1962	Posner	Certificate of Occupancy for single-family residence (1251½)
1962	Posner	Certificate of Occupancy for single-family residence (1253-1253½)
2002	Eldoyle Co.	Grading Permit (1251-1253½)
2002	Eldoyle Co.	Building Permit for single-family residence (1251)
2009	Eldoyle Co.	Building Permit for a retaining wall

Building Permits Reviewed for 917 and 959-965 Everett Street

Year(s)	Owner/Applicant	Description of Permit/Building Use
1906	Emoch	Building Permit for a new single-family residence
1909	1193 Sunset Boulevard	Building Permit for a new single-family residence (917)
1909	Emoch	Building Permit for a new single-family residence (959)
1922	Ostrander	Building Permit for a single-family residence (965)
1926	Ostrander	Building Permit for a single-family residence (965)
1945	Halorow	Building Permit for dwelling alteration (917)
1965	Koller	Certificate of Occupancy for a single-family residence (959)

Based on a review of building records, the subject property has been used for residential, commercial and industrial activities from at least 1905. The subject property associated with the addresses 1181 and 1185 West Sunset Boulevard was a tenement house in 1914 and was redeveloped as a gas station in 1925. Various service station structures were altered or constructed from 1925 to 1967. In 1933, 1201½ West Sunset Boulevard was issued a building permit for an oil depot (see the Section 3.1 for further discussion). No further pertinent information was available from other resources during this investigation. In 1965, 1211-1215 West Sunset Boulevard was issued a building permit for a parking lot and print shop. In 1946, a building permit was issued to 1229 West Sunset Boulevard for an alteration of a present gas station building into a store. The next earliest historical information available was a 1906 Sanborn that depicted this portion of the property as undeveloped. There is a possibility that a gas station was present from sometime after 1906 until 1946. However, no other pertinent information was available regarding the potential historical gas station. Based on the limited information, the possibility of a historical gas station at 1229 West Sunset Boulevard represents

a REC. Please refer to Section 3.1 for further discussion of the historical operations at the subject property.

4.1.4 PLANNING DEPARTMENT

On February 5, 2013, AEI contacted the Los Angeles City Planning Department (LACPD) for information on the subject property in order to identify AULs associated with the subject property.

According to the LACPD, the subject property is located near significant oil production areas known as "Methane Zones". Methane Zone sites include sites immediately surrounding gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Due to the potential environmental risk associated with construction in Methane Zones, the property owner is required to conduct a methane assessment prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code). AEI recommends that a methane assessment be conducted for the subject property prior to any future redevelopment activities.

4.1.5 COUNTY ASSESSOR OFFICE

On February 5, 2013, AEI visited the Los Angeles County assessor's office for information on the subject property in order to determine the earliest recorded date of development and use.

According to the Los Angeles County assessor's office, the earliest recorded date of development on the subject property (APN: 5406-016-007) was 1922, and the subject property was utilized for commercial/industrial purposes.

4.1.6 DEPARTMENT OF OIL AND GAS

California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) maps concerning the subject property and nearby properties were reviewed. DOGGR maps contain information regarding oil and gas development.

According to the DOGGR map, there are no oil or gas wells within 500 feet of the subject property. No environmental concerns were noted during the DOGGR map review.

4.1.7 OTHER AGENCIES SEARCHED

On February 5, 2013, AEI contacted the **Los Angeles Bureau of Sanitation (LABS) Industrial Waste Management Division (IWMD)** for records of a clarifier system, historical or present permits and certifications for the discharge or disposal of wastewater, and any NOVs or NTCs issued.

In 1961, Richfield Oil Corporation at 1185 Sunset Boulevard was issued a permit for use of a clarifier for occasional auto wash activities. In 1994, Best Way Hand Car Wash at 1185 Sunset Boulevard was issued a permit to use a three-stage clarifier for auto wash activities. The clarifier permit was reissued in 2009 to Infinity Car Wash and again in 2011 to Friend's Car Wash. Please refer to Section 7.1 for further discussion of the clarifiers at the subject property.

On February 5, 2013, AEI visited the **Regional Water Quality Control Board (RWQCB)** GeoTracker Website for information on the subject property to identify any evidence of

unauthorized releases of hazardous materials to the groundwater. Cases typically handled by the RWQCB include releases from USTs.

No information indicating the existence of any unauthorized releases of hazardous materials to the groundwater was on file for the subject property with the RWQCB.

On February 5, 2013, AEI visited the website maintained by the **South Coast Air Quality Management District (SCAQMD)** for information regarding any records of Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) issued to occupants of the subject property and associated with air emission equipment primarily related to stationary sources of air pollution, such as dry cleaning machines, boiler, and/or underground storage tanks.

No information indicating the existence of any PTOs, NOVs, or NTCs was on file for the subject property with the SCAQMD.

On February 5, 2013, AEI visited the Hazardous Waste Tracking System (HWTS) online database maintained by the **Department of Toxic Substances Control (DTSC)** for information regarding documented hazardous wastes generated at the subject property.

No information indicating the generation of hazardous wastes was on file for the subject property with the DTSC. However, the subject property was listed in the DTSC HWTS under the tenant O & J Auto Repair in 2002 and 2006. Auto repair operations at the subject property are further discussed in Section 7.1.

5.0 REGULATORY DATABASE RECORDS REVIEW

AEI contracted Environmental Data Resources (EDR) to conduct a search of federal, state, tribal, and local databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-05 are summarized in the following table. A copy of the regulatory database report is included in Appendix B of this report.

The subject property was identified in the databases reviewed as an EDR US Historical Auto Station site.

In determining if a site is a potential environmental concern to the subject property in the records summary table below, AEI has applied the following criteria to classify the site(s) as low concern: 1) the site(s) only hold an operating permit (which does not imply a release), 2) the site(s) have been granted "No Further Action" by the appropriate regulatory agency, and/or 3) based upon AEI's review, the distance and/or topographic position relative to the subject property reduce the level of risk associated with the site(s).

5.1 RECORDS SUMMARY

Database	Search Distance (Miles)	Subject Property Listed	Total Number of Listings	Potential Environmental Concern to the Subject Property (Yes/No)
NPL	1	No	0	
DELISTED NPL	0.5	No	0	
CERCLIS	0.5	No	0	
CERCLIS NFRAP	0.5	No	0	
RCRA CORRACTS	1	No	0	
RCRA-TSD	0.5	No	0	
RCRA LG-GEN, SM-GEN, CESQGs, VGN, NLR	TP/ADJ	No	0	
US ENG CONTROLS	TP	No	0	
US INST CONTROLS	TP	No	0	
ERNS	TP	No	0	
STATE/TRIBAL HWS	1	No	19	No
STATE/TRIBAL SWLF	0.5	No	0	
STATE/TRIBAL REGISTERED STORAGE TANKS	TP/ADJ	No	0	

Database	Search Distance (Miles)	Subject Property Listed	Total Number of Listings	Potential Environmental Concern to the Subject Property (Yes/No)
STATE/TRIBAL LUST	0.5	No	10	No; however, the adjacent site to the south is further discussed below.
STATE/TRIBAL ENG-INST CONTROLS	TP	No	0	
STATE/TRIBAL VCP	0.5	No	0	
STATE/TRIBAL BROWNFIELD	0.5	No	0	
ORPHAN	N/A	No	19	None of the identified orphan sites are located in the immediate vicinity (500-feet) of the subject property, and therefore, these sites are not expected to represent a significant environmental concern.
NON-ASTM DATABASES	TP/ADJ	Yes	6	No; however, the subject property and adjacent listings are further discussed below.

Site Name: Sempe Auto Repair/O&J Auto Repairs & Sales Database(s): EDR US Historical Auto Station Address: 1185 West Sunset Boulevard (Subject Property) Distance: N/A Direction: N/A
Comments: The subject property was identified as Sempe Auto Repair from 1999 to 2001 and O&J Auto Repair and Sales from 2004 to 2012. No additional pertinent information was provided by the regulatory database report. According to historical sources, the subject property was a gas station from at least 1950 and conducted auto repair services from at least the mid 1960's. Based on the length of time the subject property has been used for auto repair or servicing purposes, there is a possibility that a release of hazardous materials into the subsurface has occurred at the subject property. The clarifiers and hydraulic lifts associated with the auto repair operations are further discussed in Section 7.1.

Site Name: R&R Auto Accessories Database(s): EDR US Historical Auto Station Address: 1218 West Sunset Boulevard Distance: West Direction: 100 feet
Comments: The adjacent site to the west was identified as R&R Auto Accessories from 2003 to 2008. This site was not identified as a release site in the regulatory database report or the GeoTracker website and is located hydrologically downgradient with respect to the subject property. Additionally, this site is not associated with any hazardous materials listing and is potentially an auto parts retailer. Based on these factors, this listing is not expected to represent a significant environmental concern.

Site Name: Seng Auto Database(s): CA FID UST, SWEEPS UST, EDR Historical Auto Station, HIST CORTESE, LUST Address: 1165 West Sunset Boulevard Distance: 60 feet Direction: Southeast
Comments: The adjacent site to the southeast was identified as Seng Auto Repair from 1999 to 2012. According to historical sources, this adjacent site has been used for auto repair purposes since at least 1950. This site was also identified as a LUST site. The soil at this site was reportedly impacted by other solvent or non-petroleum hydrocarbons. This case was opened in 1990 and received closure in 1998. Soil was listed as the only media impacted and no groundwater impacts were listed. AEI requested information from the Los Angeles RWQCB. However, as of this report date, no response has been received. This site is located hydrologically cross-gradient with respect to the subject property. Based on the current regulatory status, media impacted, and inferred direction of groundwater flow, this adjacent site is not expected to represent a significant environmental concern to the subject property at this time.

6.0 INTERVIEWS AND USER PROVIDED INFORMATION

6.1 INTERVIEWS

Pursuant to ASTM E1527-05, the following interviews were performed during this investigation in order to obtain information indicating RECs in connection with the subject property.

6.1.1 INTERVIEW WITH OWNER

The subject property owner, Mr. Steve Wintner, was interviewed in person on February 19, 2013. Mr. Wintner has been associated with the subject property for approximately 55 years. His family purchased the southern portion of the property approximately 55 years ago and overtime acquired the additional properties. According to Mr. Wintner, the southern portion of the property was formerly a gas station and four USTs are currently in ground. When his family purchased the property the southern portion of the property was no longer operating as a gas station and was only used for auto repair and car washing operations. The current Reliable Do It Center buildings were operating since the 1970's. Mr. Wintner was asked if he was aware of any of the following:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.		Yes	**X**	No
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.		Yes	**X**	No
Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.		Yes	**X**	No
Any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality.		Yes	**X**	No

6.1.2 INTERVIEW WITH KEY SITE MANAGER

The key site manager, Mr. Fred Shaffer, representative of Aragon Properties Ltd., was contacted by phone on February 6, 2013. Mr. Shaffer has been associated with the subject property since approximately 2013. Mr. Shaffer provided general information regarding historic and current operations at the subject property.

Mr. Shaffer was asked if he was aware of any of the following:

Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property.		Yes	**X**	No
Any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property.		Yes	**X**	No
Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.		Yes	**X**	No
Any incidents of flooding, leaks, or other water intrusion, and/or complaints related to indoor air quality.		Yes	**X**	No

6.1.3 PAST OWNERS, OPERATORS AND OCCUPANTS

Interviews with past owners and occupants regarding historical onsite operations were not reasonably ascertainable. However, based on information obtained from other sources

including aerial photographs, Sanborn maps, city directories, and building records, it is likely that the information provided by past owners and operators would have been duplicative.

6.1.4 INTERVIEW WITH OTHERS

Information obtained during interviews with local government officials is incorporated into the appropriate segments of this section.

6.2 USER PROVIDED INFORMATION

User provided information is intended to help identify the possibility of RECs in connection with the subject property. According to ASTM E1527-05 and EPA's AAI Rule, certain items should be researched by the prospective landowner or grantee, and the results of such inquiries may be provided to the environmental professional. The responsibility for qualifying for Landowner Liability Protections (LLPs) by conducting the inquiries ultimately rests with the User, and providing the information to the environmental professional would be prudent if such information is available.

6.2.1 ENVIRONMENTAL LIENS

AEI was not informed by the User, Aragon Properties Ltd., of any environmental cleanup liens encumbering the subject property that are filed or recorded under federal, tribal, state or local law.

6.2.2 ACTIVITY AND LAND USE LIMITATIONS

AEI was not informed by the User of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state or local law.

6.2.3 SPECIALIZED KNOWLEDGE

AEI was not informed by the User of any specialized knowledge or experience related to the subject property or nearby properties.

6.2.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The User did not indicate to AEI any information to suggest that the valuation of the subject property is significantly less than the valuation for comparable properties due to environmental factors.

6.2.5 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The User did not inform AEI of any commonly known or reasonably ascertainable information about the subject property which aided AEI in identifying conditions indicative of a release or threatened release.

6.2.6 KNOWLEDGE OF PRESENCE OR LIKELY PRESENCE OF CONTAMINATION

The User did not inform AEI of any obvious indicators that pointed to the presence or likely presence of contamination at the subject property.

6.3 PREVIOUS REPORTS AND OTHER PROVIDED DOCUMENTATION

Documentation was provided to AEI by Mr. Fred Shaffer during this assessment. A summary of this information follows:

Executive Summary of Phase I Environmental Site Assessment and Limited Subsurface Investigation for the Property Located at Sunset Boulevard and Everett Street, prepared by Petra Geotechnical, Inc. (April 14, 2005)

According to the executive summary (entirety of report not provided) of the previous report conducted by Petra Geotechnical, Inc. (Petra), the subject property consisted of a hardware store with associated storage buildings, a residence, a car wash, multiple bungalows, a vacant lot and a restaurant. Petra identified historical land use to consist of multiple residences, a janitorial supply/disinfectant manufacturer, a sprinkler/valve manufacturer, a gas station, a temple, a car wash, and a restaurant. Based on the date of construction of the current buildings at the subject property, Petra determined that asbestos-containing materials (ACM) and lead-based paints (LBP) may be present. In addition, based on the age of the buildings, the fluorescent light fixtures present throughout the hardware store and associated storage buildings may contain polychlorinated biphenyls (PCBs). According to the owner of the property, four gasoline underground storage tanks (USTs) are currently present beneath the car wash on the southern portion of the property. Petra identified a REC for the former gas station, which was present from the 1960's to the mid-1970's. Petra recommending a Limited Phase II Subsurface Investigation to determine if a significant release occurred in the past.

The Limited Phase II Subsurface Investigation was conducted on March 31, 2005. A subsurface geophysical survey was conducted on site to delineate the location of the four USTs and fuel distribution lines heading to a fuel island. A waste oil UST in the rear of the car wash was delineated, as well as an area within an auto shop site which appeared to have formerly had a hydraulic hoist present. Petra advanced 15 borings in the vicinity of the delineated areas based on proximity to the areas of concern. The borings were drilled to a total depth of approximately 25 feet below ground surface (bgs). The samples were analyzed for volatile organic compounds (VOC) and total petroleum hydrocarbons (TPH). The results of the soil sample analysis were that trace amounts of TPH were encountered in one sample collected at 22 feet bgs from the vicinity of the waste oil UST. No detectable concentrations were found in a five feet bgs sample taken from the same boring. Petra concluded that these levels did not indicate a significant release from the waste oil tank. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or VOCs related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them. Therefore, Petra stated that there is a potential that impact to site soils is present directly below the USTs. Petra stated that the fact that no lateral contamination was detected in samples deeper than the bottom of the UST appears to indicate that a large scale release has not occurred. Petra recommended removing and disposing of all USTs on site in accordance with current regulation, prior to site development. Petra also recommended that if the current buildings were to be demolished or upgraded, a survey for asbestos and lead-based paint be conducted and any identified materials be abated.

The executive summary (entirety of report not provided) of the previous report is provided in Appendix F.

7.0 SITE INSPECTION AND RECONNAISSANCE

On February 19, 2013, a site reconnaissance of the subject property and adjacent properties was conducted by Mr. Daniel Huerta of AEI in order to obtain information indicating the likelihood of RECs at the subject property and adjacent properties as specified in ASTM Standard Practice E1527-05 §8.4.2, 8.4.3 and 8.4.4. During the on-site reconnaissance, AEI was accompanied by Mr. Steve Wintner, subject property owner, and Mr. Fred Shaffer, representative of Aragon Properties Ltd. AEI did not have access to the residential buildings associated with 1245 West Sunset Boulevard, the single-family residence associated with 1205 West Sunset Boulevard, and the commercial building associated with 1201 West Sunset Boulevard. Based on the use of the buildings for typical residential activities and film equipment storage, this limitation is not expected to significantly alter the findings of this report.

7.1 SUBJECT PROPERTY RECONNAISSANCE FINDINGS

Yes	No	Observation
X		Hazardous Substances and/or Petroleum Products in Connection with Property Use
X		Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs / USTs)
	X	Hazardous Substance and Petroleum Product Containers and Unidentified Containers not in Connection with Property Use
	X	Unidentified Substance Containers
X		Electrical or Mechanical Equipment Likely to Contain Fluids
	X	Interior Stains or Corrosion
	X	Strong, Pungent or Noxious Odors
	X	Pools of Liquid
X		Drains, Sumps and Clarifiers
	X	Pits, Ponds and Lagoons
	X	Stained Soil or Pavement
	X	Stressed Vegetation
	X	Solid Waste Disposal or Evidence of Fill Materials
	X	Waste Water Discharges
	X	Wells
	X	Septic Systems
	X	Other

The subject property is currently occupied by a car wash business, Reliable Do It Center, film storage company, and residential tenants. On-site operations include car wash and small-scale auto repair operations, retail of home improvement goods, film storage, and daily residential activities.

The above identified observed items are further discussed below.

HAZARDOUS SUBSTANCES AND/OR PETROLEUM PRODUCTS IN CONNECTION WITH PROPERTY USE

AEI observed four 55-gallon drums of waste oil and two 55-gallon drums of used oil filters in the hazardous materials storage area located on the eastern portion of 1185 West Sunset Boulevard. The drums were equipped with secondary containment. However, staining was observed on the ground in the vicinity of the drums. The staining appears to be surficial and therefore represents a de minimis condition.

AEI also observed several containers of paint within the retail portions of the subject property buildings. No spills or staining were observed in the vicinity of the containers. Based on the good housekeeping, the presence of the containers of paint is not expected to represent a significant environmental concern.

ABOVEGROUND & UNDERGROUND HAZARDOUS SUBSTANCE OR PETROLEUM PRODUCT STORAGE TANKS (ASTS / USTS)

AEI observed patched areas of asphalt on the southern portion of 1185 West Sunset Boulevard. The patched areas appear to be the locations of USTs from the historical gas station. According to Mr. Steve Wintner, subject property owner, the subject property is currently equipped with four USTs. No information regarding the sizes or dates of installation of the USTs was available. AEI reviewed a portion of the 2005 *Phase I Environmental Site Assessment and Limited Subsurface Investigation for the Property Located at Sunset Boulevard and Everett Street*, prepared by Petra Geotechnical, Inc. (Petra). According to this previous report, a subsurface geophysical survey conducted at the subject property delineated the location of four USTs and a waste oil UST in the rear of the car wash. Petra conducted soil sampling in the vicinity of the USTs. The results of the soil sample analysis were that trace amounts of TPH were encountered in one sample collected at 22 feet bgs from the vicinity of the waste oil UST. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or VOCs related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them. The presence of the USTs at the subject property represents a REC. Please refer to Section 6.3 for further discussion of the previous report.

ELECTRICAL OR MECHANICAL EQUIPMENT LIKELY TO CONTAIN FLUIDS

Toxic polychlorinated biphenyls (PCBs) were commonly used historically in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. According to United States EPA regulation 40 CFR, Part 761, there are three categories for classifying such equipment: <50 ppm of PCBs is considered "Non-PCB"; between 50 and 500 ppm is considered "PCB-Contaminated"; and >500 ppm is considered "PCB-Containing". Pursuant to 15 U.S.C. 2605(e)(2)(A), the manufacture, process, or distribution in commerce or use of any polychlorinated biphenyl in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Hydraulic Lifts

The subject property is equipped with one above-ground hydraulic lift within the garage at 1185 West Sunset Boulevard. The lift is equipped with a container of hydraulic fluid totaling approximately ten gallons situated approximately four feet above the ground surface. No evidence of stains or leakage from the units was observed, and the lifts are therefore not expected to represent a significant environmental concern.

AEI also observed an area within the garage that is indicative of a former underground hydraulic lift. It is unknown when the lifts were installed; however, the subject property has operated as a gas station from at least 1927 and as an automotive repair from at least the mid 1960's. Therefore, it is possible that the former underground lift was installed as early as the 1960's. Polychlorinated biphenyls (PCBs) were used in the past in dielectric fluids and oils in a variety of equipment, including hydraulic lift equipment. Soil testing was reportedly conducted by Petra in 2007. Since redevelopment of the subject property is planned, additional testing may be warranted at that time.

DRAINS, SUMPS AND CLARIFIERS

AEI observed two clarifiers at 1185 West Sunset Boulevard. One clarifier was located in the garage and the other clarifier was located in the car washing area. According to records from the LABS IWMD, a clarifier permit was issued to the subject property in 1961 for occasional auto wash activities. A permit was issued in 1994 for a three-stage clarifier for auto wash activities. This permit was reissued in 2009 and in 2011. It is unknown if the permits issued in 1961 and 1994 refer to the same clarifier. However, it appears that the clarifier located outside is used for car washing. Based on the presumed use of this clarifier for car washing activities, the clarifier located in the car washing area represents a BER.

The clarifier located in the garage appears to have been associated with auto repair operations. Clarifiers are used to treat waste water streams. There is a potential that oils or solvents present in the waste stream could impact the subsurface of the subject property if the clarifier or drain system was compromised. The collection and analysis of soil samples would be necessary to determine if the use of the clarifier has impacted the subject property. Based on the presumed use of this clarifier for auto repair operations and the on-site historical use of hazardous materials, the clarifier located in the garage represents a REC.

7.2 NON-ASTM SERVICES

7.2.1 ASBESTOS-CONTAINING BUILDING MATERIALS

OSHA

For buildings constructed prior to 1981, the Code of Federal Regulations (29 CFR 1926.1101 and 29 CFR 1910.1001) define presumed asbestos-containing material (PACM) as 1. Thermal System Insulation (TSI), e.g., boiler insulation, pipe lagging, fireproofing; and 2. Surfacing Materials, e.g., acoustical ceilings. Building owners/employers are responsible for locating the presence and quantity of PACM. Building Owners/employers can rebut installed material as PACM by either having an inspection in accordance with Asbestos Hazard Emergency Response Act (AHERA) (40 CFR Part 763, Subpart E) or hiring an accredited inspector to take bulk samples of the suspect material.

Typical materials not covered by the presumptive rule include but are not limited to: floor tiles and adhesives, wallboard systems, siding and roofing. Building materials such as wallboard systems may contain asbestos but unless a building owner/employer has specific knowledge or should have known through the exercise of due diligence that these other materials contain asbestos, the standard does not compel the building owner to sample these materials.

NESHAP

The applicability of the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Chapter 61, Subpart M) apply to the owner or operator of a facility where an inspection for the presence of asbestos-containing materials (ACM), including Category I (asbestos containing packings, gaskets, resilient floor coverings and asphalt roofing products), and Category II (all remaining types of non-friable asbestos containing material not included in Category I that when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure), non-friable ACM must occur prior to the commencement of demolition or renovation activities. NESHAP defines ACM as any material or product that contains *greater than* 1% asbestos. It should be noted that the NESHAP regulation applies to all facilities regardless of construction date, including: 1. Any institutional, commercial, public, industrial, or residential structure, installation, or building; 2. Any ship; and 3. Any active or inactive waste disposal site. This requirement is typically enforced by the EPA or by local air pollution control/air quality management districts.

The information below is for general informational purposes only and does not constitute an asbestos survey. In addition, the information is not intended to comply with federal, state or local regulations in regards to ACM.

Due to the age of the subject property buildings, there is a potential that ACMs are present. The condition and friability of the identified suspect ACMs is noted in the following table:

Suspect Asbestos Containing Materials (ACMs)

Material	Location	Friable	Condition
Drywall Systems	Throughout Building Interior	Yes	Good
Vinyl Floor Tiles	1229 W. Sunset Blvd.	No	Damaged
Roofing Systems	Roof	Not Inspected	Not Inspected

All observed suspect ACMs were in good condition with the exception of damaged vinyl floor tiles were observed in 1229 West Sunset Boulevard. The identified suspect ACMs would need to be sampled to confirm the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants. Based on the potential presence of ACMs, AEI recommends the property owner implement an Operations and Maintenance (O & M) Plan which stipulates that assessment, repair and maintenance of damaged materials be performed to protect the health and safety of the building occupants.

Additionally, according to Mr. Fred Shaffer, representative of Aragon Properties Ltd., demolition activities are planned for the near future. Regardless of building construction date, the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that an asbestos survey adhering to Asbestos Hazard Emergency Response Act (AHERA) sampling protocol be performed prior to demolition or renovation activities that may disturb ACMs. This requirement may be enforced by the local air pollution control or air quality management district, and specifies that all suspect asbestos-containing materials (ACMs) be sampled to determine the presence or absence of asbestos prior to any renovation or demolition activities to prevent potential exposure to workers and/or building occupants. Similarly, Occupational Safety and Health Administration (OSHA) regulations require that specific work practices be implemented when handling construction materials and debris that contain lead-containing materials.

7.2.2 LEAD-BASED PAINT

Lead-based paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has ≥1 mg/cm^2 (5,000 µg/g or 5,000 ppm) or more of lead by federal guidelines; state and local definitions may differ from the federal definitions in amounts ranging from 0.5 mg/cm^2 to 2.0 mg/cm^2. Section 1017 of the Housing and Urban Development (HUD) Guidelines, Residential Lead-Based Paint Hazard Reduction Act of 1992, otherwise known as "Title X", defines a LBP hazard is "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact lead-based paint on most walls and ceilings would not be considered a "hazard", although the paint should be maintained and its condition and monitored to ensure that it does not deteriorate and become a hazard. Additionally, Section 1018 of this law directed HUD and EPA to require the disclosure of known information on lead-based paint and lead-based paint hazards before the sale or lease of most housing built before 1978. Most private housing, public housing, federally owned or subsidized housing are affected by this rule.

Lead-containing paint (LCP) is defined as any paint with any detectable amount of lead present in it. It is important to note that LCP may create a lead hazard when being removed. The condition of these materials must be monitored when they are being disturbed. In the event LCP is subject to abrading, sanding, torching and/or cutting during demolition or renovation activities, there may be regulatory issues that must be addressed.

The information below is for general informational purposes only and does not constitute a lead hazard evaluation. In addition, the information is not intended to comply with federal, state or local regulations in regards to lead-containing paints.

In buildings constructed after 1978, it is unlikely that LBP is present. Structures built prior to 1978 and especially prior to the 1960's should be expected to contain LBP.

Due to the age of the subject property buildings, there is a potential that LBP is present. All painted surfaces were observed in good condition and are not expected to pose a health and safety concern to the occupants of the subject property at this time. However, based on the potential presence of LBP and nature of occupancy, AEI recommends the property owner implement an Operations and Maintenance (O & M) Plan to protect the health and safety of the building occupants. Local regulations may apply to lead-based paint in association with building demolition/renovations and worker/occupant protection. Actual material samples would need to be collected or an XRF survey performed in order to determine if LBP is present. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62. Additionally, AEI understands that demolition activities of the subject property buildings are planned. AEI recommends that the property owner consult with a certified Lead Risk Assessor to determine options for control of possible LBP hazards. Stringent local and State regulations may apply to LBP in association with building demolition/renovations and worker/occupant protection. It should be noted that construction activities that disturb materials or paints containing *any amount* of lead may be subject to certain requirements of the OSHA lead standard contained in 29 CFR 1910.1025 and 1926.62.

7.2.3 RADON

Radon is a naturally-occurring, odorless, invisible gas. Natural radon levels vary and are closely related to geologic formations. Radon may enter buildings through basement sumps or other openings.

The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action limit of 4.0 picoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not requested as part of this assessment. According to the US EPA, the radon zone level for the area is Zone 2, which has a predicted average indoor screening level between 2.0 pCi/L and 4.0 pCi/L, equal to or below the action level of 4.0 pCi/L set forth by the EPA.

7.2.4 DRINKING WATER SOURCES AND LEAD IN DRINKING WATER

The Los Angeles Department of Water and Power (LADWP) supplies potable water to the subject property. The most recent water quality report states that lead levels in the areas water supply were 5.6 micrograms per liter (µg/L) for the 90th percentile and therefore are well within standards established by the US EPA.

7.2.5 MOLD / INDOOR AIR QUALITY ISSUES

Molds are simple, microscopic organisms, which can often be seen in the form of discoloration, frequently green, gray, white, brown or black. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or is not addressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation, and carpeting often play host to such growth. Mold spores primarily cause health problems through the inhalation of mold spores or the toxins they emit when they are present in large numbers. This can occur primarily when there is active mold growth within places where people live or work.

Mold, if present, may or may not visually manifest itself. Neither the individual completing this inspection, nor AEI has any liability for the identification of mold-related concerns except as defined in applicable industry standards. In short, this Phase I ESA should not be construed as a mold survey or inspection.

AEI observed interior areas of the subject property buildings in order to identify the significant presence of mold. AEI did not note obvious visual or olfactory indications of the presence of mold, nor did AEI observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to mold appears to be warranted at this time.

This activity was not designed to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Additional areas of mold not observed as part of this limited assessment, possibly in pipe chases, heating, ventilation and air conditioning (HVAC) systems and behind enclosed walls and ceilings, may be present on the subject property.

7.3 ADJACENT PROPERTY RECONNAISSANCE FINDINGS

Yes	No	Observation
	X	Hazardous Substances and/or Petroleum Products in Connection with Property Use
	X	Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs / USTs)
	X	Hazardous Substance and Petroleum Product Containers and Unidentified Containers not in Connection with Property Use
	X	Unidentified Substance Containers
	X	Electrical or Mechanical Equipment Likely to Contain Fluids
	X	Strong, Pungent or Noxious Odors
	X	Pools of Liquid
	X	Drains, Sumps and Clarifiers
	X	Pits, Ponds and Lagoons
	X	Stained Soil or Pavement
	X	Stressed Vegetation
	X	Solid Waste Disposal or Evidence of Fill Materials
	X	Waste Water Discharges
	X	Wells
	X	Septic Systems
	X	Other

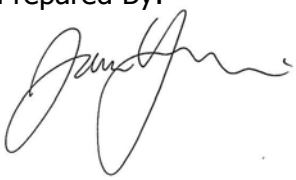
None of the above listed items were observed during the site inspection.

8.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

By signing this report, the senior author declares that, to the best of his or her professional knowledge and belief, he or she meets the definition of *Environmental Professional* as defined in §312.10 of 40 CFR Part 312.

The senior author has the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. The senior author has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40CFR Part 312.

Prepared By:



Jann Yamauchi
Project Manager

Reviewed By:

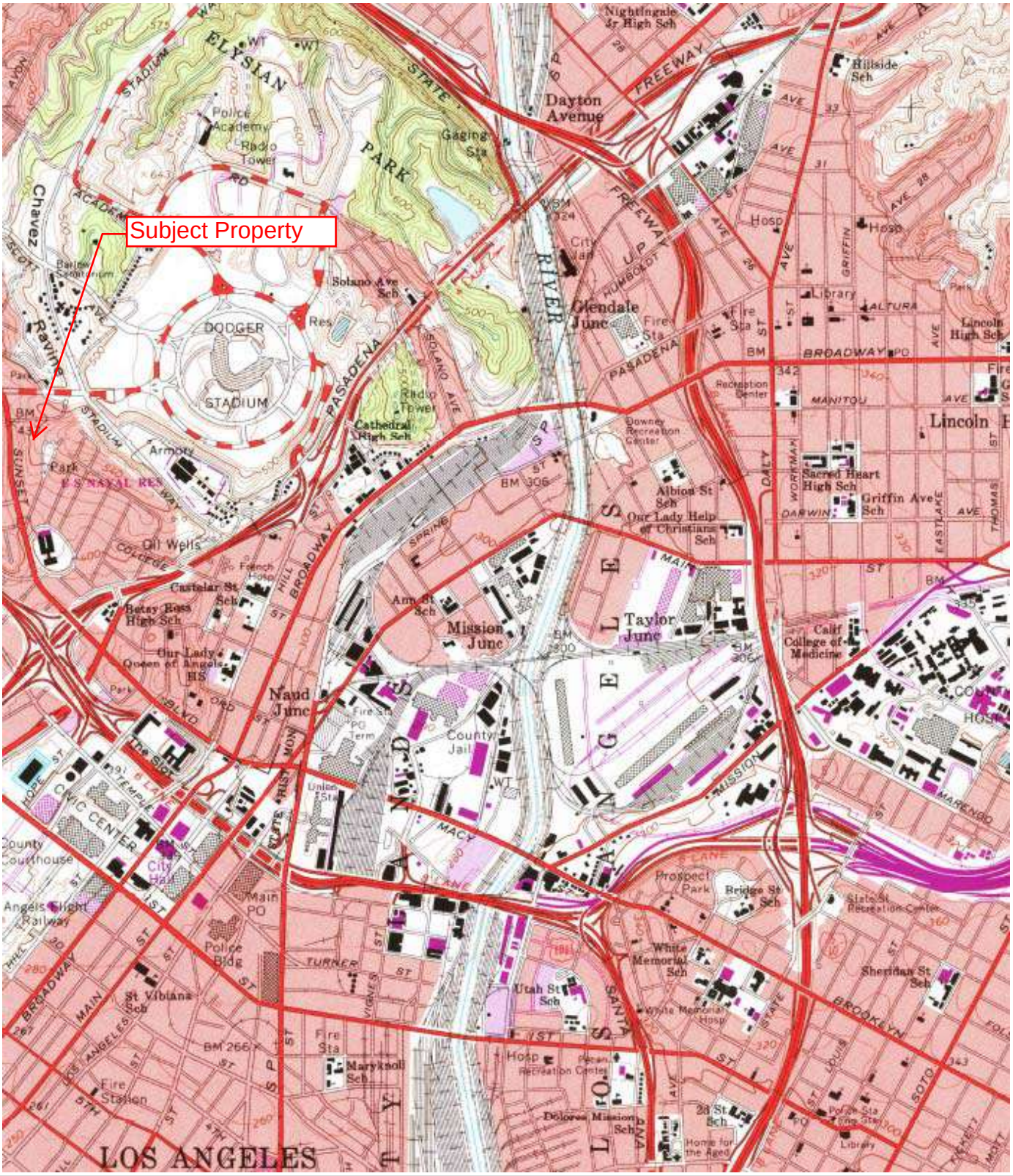
Victor DeTroy
Senior Author

9.0 REFERENCES

Item	Date(s)	Source
Topographic Map Los Angeles, California Quadrangle	1966	United States Geological Survey
Regulatory Database Report	February 5, 2013	Environmental Data Resources (EDR)
Assessor's Information and Parcel Map	February 5, 2013	Los Angeles County Assessor's Office
Soils Information	February 20, 2013	Regional Water Quality Control Board (RWQCB) GeoTracker website
Radon Zone Information	1993	Environmental Protection Agency (EPA) Radon Zone Map website
Water Quality Report	2011	Environmental Protection Agency (EPA) Drinking Water website
Depth to Groundwater Information	February 5, 2013	Regional Water Quality Control Board (RWQCB) GeoTracker website
Sanborn Map Report	1906-1970 (non-inclusive)	Environmental Data Resources (EDR)
Historical Aerial Photographs	1927-2010 (non-inclusive)	Environmental Data Resources (EDR)
Oil and Gas Well Information	February 5, 2013	Department of Oil and Gas and Geothermal Resources (DOGGR Website)
Historical City Directories	1924-2012 (non-inclusive)	Environmental Data Resources (EDR)
Building Permits	February 25, 2013	Los Angeles Department of Building and Safety (LADBS)
Activity Use Limitation (AUL) Information	February 5, 2013	Los Angeles City Planning Department (LACPD)
Hazardous Materials Records	February 5, 2013	Los Angeles Fire Department Hazardous Materials Division (LAFD HMD)
Underground Storage Tank (UST) Records	February 5, 2012	Los Angeles Fire Department Underground Storage Tank (LAFD UST)
Hazardous Materials Records	February 5, 2013	Los Angeles County Public Health Investigation (LACPHI)
LUST Information	February 5, 2013	Regional Water Quality Control Board (RWQCB) GeoTracker website
Permits to Operate (PTOs), Notices of Violation (NOVs), Notices to Comply (NTCs)	February 5, 2013	South Coast Air Quality Management District (SCAQMD)
Hazardous Waste Manifest Data	February 5, 2013	Department of Toxic Substances Control (DTSC) Hazardous Waste Tracking System (HWTS)
Records of clarifiers, historical or present permits/certifications of the discharge of wastewater, Notices of	February 5, 2013	Department of Public Works Industrial Waste Management Division (DPW IWMD)

Violation (NOVs), Notices to Comply (NTCs)		
Phase I Environmental Site Assessment and Limited Subsurface Investigation Summary Letter	April 14, 2005	Petra Geotechnical, Inc.
Interview	February 6, 2013	Fred Shaffer, representative of Aragon Properties, Ltd.
Interview	February 19, 2013	Steve Wintner, subject property owner

FIGURES



SITE LOCATION MAP

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

Source: USGS Topographic Map

Los Angeles, California Quadrangle

1966

FIGURE 1

Project Number: 316456

AEI Consultants

SITE MAP

1185-1245 West Sunset Boulevard & 959-963 Everett Street
Los Angeles, California 90026

N

Legend

*Identified in the Regulatory Database Report
Approximate Property Boundary

FIGURE 2

Project Number: 316456

AEI Consultants

SITE MAP

1185 West Sunset Boulevard, Los Angeles, California 90026

N

Legend
Hazardous Materials Storage Area
Clarifiers
Hydraulic Lifts
USTs
Approximate Property Boundary

FIGURE 3

Project Number: 316456

AEI Consultants

APPENDIX A

PROPERTY PHOTOGRAPHS

1. View of the southern portion of 1185 and 1187 W. Sunset Blvd., facing north.

2. View of the western portion of 1185 and 1187 W. Sunset Blvd., facing southeast.

3. View of the western portion of the subject property building at 1185 and 1187 W. Sunset Blvd.

4. View of the northern portion of 1185 and 1187 W. Sunset Blvd., facing northeast.

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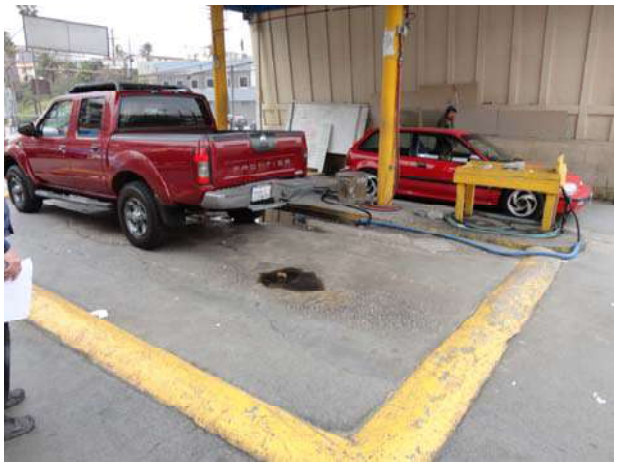
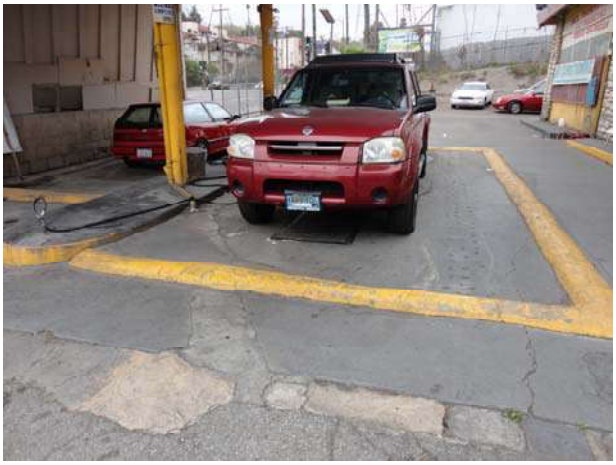
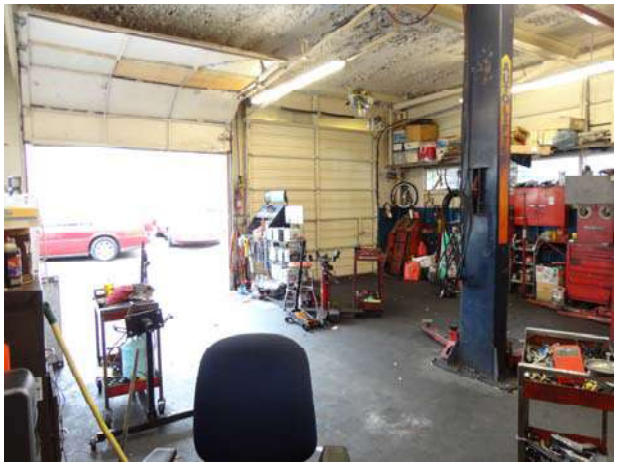


5. View of the car wash area at 1185 and 1187 W. Sunset Blvd.

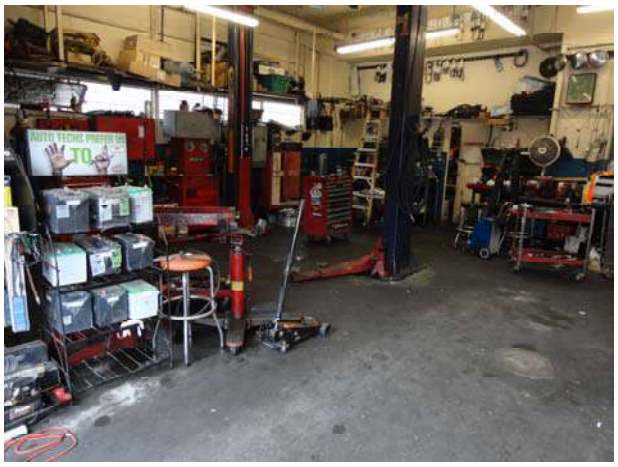


6. View of the clarifier beneath the car in the car wash area.



7. View of the auto repair garage area at 1185 and 1187 W. Sunset Blvd.

8. View of the clarifier within the auto repair garage.

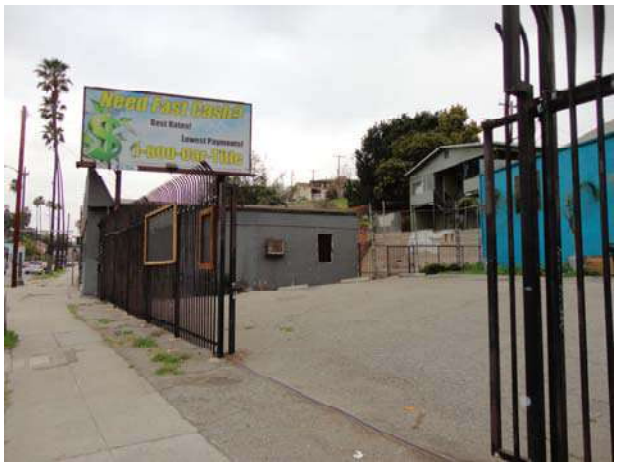


9. View of the aboveground lift in the auto repair area.

10. View of the drums of hazardous waste, located to the northeast of the building.

11. View of the location of the USTs at 1185 and 1187 W. Sunset Blvd.

12. View of the western portion of 1197 and 1201 W. Sunset Blvd.



13. View of the southern portion of 1205 W. Sunset Blvd., facing north.

14. View of the interior of 1205 W. Sunset Blvd.

15. View of the central portion of 1205 W. Sunset Blvd., facing south.

16. View of the eastern portion of 1205 W. Sunset Blvd., facing east.

17. View of the western portion of 1211 W. Sunset Blvd., facing south.

18. View of the northern portion of 1211 W. Sunset Blvd., facing south.

19. View of the warehouse area within 1211 W. Sunset Blvd.

20. View of the warehouse area within 1211 W. Sunset Blvd.

21. View of the southern portion of 1229 W. Sunset Blvd., facing north.

22. View of the damaged vinyl floor tiles within 1229 W. Sunset Blvd.

23. View of the retail aisles within 1229 W. Sunset Blvd.

24. View of the office area within 1229 W. Sunset Blvd.

25. View of the northern portion of 1233 W. Sunset Blvd., facing south.

26. View of the interior of 1233 W. Sunset Blvd.

27. View of the paint within 1233 W. Sunset Blvd.

28. View of the southern portion of 1233 W. Sunset Blvd., facing west.

29. View of the northern portion of 1243 W. Sunset Blvd., facing south.

30. View of the southern portion of 1243 W. Sunset Blvd., facing west.

31. View of the interior of 1243 W. Sunset Blvd.

32. View of the interior of 1243 W. Sunset Blvd.

APPENDIX B

REGULATORY DATABASE

316456
1185 West Sunset Boulevard
Los Angeles, CA 90026

Inquiry Number: 3511447.2s
February 05, 2013

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1185 WEST SUNSET BOULEVARD
LOS ANGELES, CA 90026

COORDINATES

Latitude (North):	34.0689000 - 34° 4' 8.04''
Longitude (West):	118.2499000 - 118° 14' 59.64''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	384661.7
UTM Y (Meters):	3770305.8
Elevation:	453 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34118-A2 LOS ANGELES, CA
Most Recent Revision:	1994
West Map:	34118-A3 HOLLYWOOD, CA
Most Recent Revision:	1994

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
1185 W SUNSET BLVD 1185 W SUNSET BLVD LOS ANGELES, CA 90012	EDR US Hist Auto Stat	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ---------- CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---------- Solid Waste Information System

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
WMUDS/SWAT ---------- Waste Management Unit Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
SCH ---------- School Property Evaluation Program
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
AOCONCERN ---------- San Gabriel Valley Areas of Concern
CDL ---------- Clandestine Drug Labs
US HIST CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information
LIENS ---------- Environmental Liens Listing
DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing

Other Ascertainable Records

RCRA NonGen / NLR ---------- RCRA - Non Generators

EXECUTIVE SUMMARY

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
UIC	UIC Listing
NPDES	NPDES Permits Listing
CUPA Listings	CUPA Resources List
LA Co. Site Mitigation	Site Mitigation List
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
LOS ANGELES CO. HMS	HMS: Street Number List
ENF	Enforcement Action Listing
HAZNET	Facility and Manifest Data
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
WDS	Waste Discharge System
PRP	Potentially Responsible Parties
US AIRS	Aerometric Information Retrieval System Facility Subsystem
2020 COR ACTION	2020 Corrective Action Program List
Financial Assurance	Financial Assurance Information Listing
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE	Steam-Electric Plant Operation Data
MWMP	Medical Waste Management Program Listing
PCB TRANSFORMER	PCB Transformer Registration Database
PROC	Certified Processors Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2012 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA ECHO PARK CHILD CARE CENTER	***1010 DOUGLAS ST***	***NW 1/8 - 1/4 (0.235 mi.)***	***30***	***33***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
METROPOLITAN WATER DIST OF SO	***1111 SUNSET BLVD***	***SSE 0 - 1/8 (0.055 mi.)***	***B7***	***13***
LA FIRE STATION 6	***534 E EDGEWARE RD***	***WSW 1/8 - 1/4 (0.248 mi.)***	***K34***	***48***

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 12/05/2012 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES NAVAL & MARINE COR	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J31***	***34***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State

Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 12/05/2012 has revealed that there are 14 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTHROP GRUMMAN CORP (WC) Status: * Inactive	***800 NO DOUGLAS***	***WNW 1/4 - 1/2 (0.276 mi.)***	***37***	***51***

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES NAVAL & MARINE COR Status: Active	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J31***	***34***
BANK OF AMERICA DATA CENTER Status: Refer: Other Agency	***1000 W TEMPLE ST***	***S 1/4 - 1/2 (0.398 mi.)***	***M42***	***59***
LAUSD/ PLASENCIA ELEM Status: Inactive - Needs Evaluation	***1321 CORTEZ ST***	***WSW 1/4 - 1/2 (0.402 mi.)***	***44***	***69***
CENTRAL LOS ANGELES HIGH SCHOO Status: No Further Action	***450 SOUTH GRAND VIEW ST***	***SSE 1/2 - 1 (0.616 mi.)***	***48***	***77***
VISTA HERMOSA Status: Certified / Operation & Maintenance	***1101 W. 1ST STREET***	***SSW 1/2 - 1 (0.628 mi.)***	***49***	***81***
G.C. HEWITT COMPANY Status: Refer: Other Agency	***174 GLENDALE BLVD***	***WSW 1/2 - 1 (0.632 mi.)***	***50***	***98***
REGENCY CLEANERS Status: Active	***1411 ECHO PARK AVE***	***NNW 1/2 - 1 (0.668 mi.)***	***51***	***99***
CORNFIELD SITE Status: Certified	***1245 N. SPRING STREET***	***ESE 1/2 - 1 (0.829 mi.)***	***52***	***106***
ALTERNATE CENTRAL LOS ANGELES Status: Certified	***LUCAS AVENUE/MIRAMAR ST***	***SW 1/2 - 1 (0.855 mi.)***	***53***	***111***
IGLESIA NI CRISTO Status: No Further Action	***141 NORTH UNION AVENUE***	***WSW 1/2 - 1 (0.905 mi.)***	***54***	***115***
MAGNUS COMPANY, INC Status: No Further Action	860 NORTH MAIN STREET	SE 1/2 - 1 (0.937 mi.)	55	118
LAUSD/GRATTS ELEM Status: Active	***309 LUCAS***	***SW 1/2 - 1 (0.939 mi.)***	***56***	***119***
CENTRAL REGION ES #14 Status: Certified	***2115 MARATHON STREET***	***WNW 1/2 - 1 (0.945 mi.)***	***57***	***135***

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 12/17/2012 has revealed that there are 10

LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENGS AUTO REPAIR	***1165 SUNSET BLVD W***	***S 0 - 1/8 (0.045 mi.)***	***B5***	***10***
Status: Completed - Case Closed				
DONALD COZEN	1301 SUNSET BLVD W	NNW 0 - 1/8 (0.100 mi.)	C11	16
Status: Completed - Case Closed				
MARLAND COMPANY	1100-1154 BELLEVUE AVE	S 1/8 - 1/4 (0.160 mi.)	F17	21
Status: Completed - Case Closed				
MWD HEADQUARTERS GARAGE	***610 FIGUEROA TERRACE N***	***SSE 1/8 - 1/4 (0.217 mi.)***	***I26***	***26***
Status: Completed - Case Closed				
CITY OF LOS ANGELES FIRE DEPAR	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J32***	***40***
US MARINE CORPS RESERVE CENTER	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J33***	***44***
UNOCAL #0253	***900 SUNSET BLVD***	***SSE 1/4 - 1/2 (0.391 mi.)***	***L39***	***54***
Status: Completed - Case Closed				
UNOCAL #0253	900 SUNSET BLVD	SSE 1/4 - 1/2 (0.391 mi.)	L40	57
BANK OF AMERICA DATA CENTER	1000 TEMPLE ST W	S 1/4 - 1/2 (0.400 mi.)	M43	65
Status: Completed - Case Closed				
ARCO #81460	1467 SUNSET BLVD W	NNW 1/4 - 1/2 (0.441 mi.)	N46	74
Status: Completed - Case Closed				

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 12/17/2012 has revealed that there are 3 SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MARLAND CO.	538 BEAUDRY	S 1/8 - 1/4 (0.194 mi.)	F22	25
MARLAND CO	538 N. BEAUDRY AVE	S 1/8 - 1/4 (0.196 mi.)	F23	25
Facility Status: Completed - Case Closed				
LOS ANGELES NAVAL & MARINE COR	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J31***	***34***
Facility Status: Completed - Case Closed				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 12/17/2012 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WATER DISTRICT OF SO CALIFORNI	1111 W SUNSET BLVD	SSE 0 - 1/8 (0.055 mi.)	B8	15
METROPOLITAN WATER DISTRICT	***610 N FIGUEROA ST***	***SSE 1/8 - 1/4 (0.217 mi.)***	***I27***	***28***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 12/18/2012 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
VICTOR RECYCLING CENTER	1127 W TEMPLE ST	SSW 1/4 - 1/2 (0.287 mi.)	38	54

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
US MARINE CORPS RESERVE CENTER	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J33***	***44***

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 7 CA FID UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENG AUTO	***1165 W SUNSET BLVD***	***S 0 - 1/8 (0.042 mi.)***	***B3***	***9***
WATER DISTRICT OF SO CALIFORNI	***1111 W SUNSET BLVD***	***SSE 0 - 1/8 (0.055 mi.)***	***B6***	***12***
A QUALITY AUTO SERVICE INC.	***1301 W SUNSET BLVD***	***NNW 0 - 1/8 (0.103 mi.)***	***C12***	***18***
SPRAGUE	***806 N BEAUDRY ST***	***SE 1/8 - 1/4 (0.161 mi.)***	***G18***	***23***
METROPOLITAN WATER DISTRICT	***610 N FIGUEROA TERRACE***	***SSE 1/8 - 1/4 (0.217 mi.)***	***I28***	***31***
US MARINE CORPS RESERVE CENTER	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J33***	***44***
LOS ANGELES FIRE STATION #6	***534 W EDGEWARE RD***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K35***	***50***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPRAGUE	806 N BEAUDRY AVE	SE 1/8 - 1/4 (0.161 mi.)	G19	24

Lower Elevation	Address	Direction / Distance	Map ID	Page
METROPOLITAN WATER DISTRICT	***610 N FIGUEROA ST***	***SSE 1/8 - 1/4 (0.217 mi.)***	***I27***	***28***
FIRE STATION #6	534 E EDGEWARE RD	WSW 1/8 - 1/4 (0.249 mi.)	K36	51

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENG AUTO	***1165 W SUNSET BLVD***	***S 0 - 1/8 (0.042 mi.)***	***B3***	***9***
WATER DISTRICT OF SO CALIFORNI	***1111 W SUNSET BLVD***	***SSE 0 - 1/8 (0.055 mi.)***	***B6***	***12***
A QUALITY AUTO SERVICE INC.	***1301 W SUNSET BLVD***	***NNW 0 - 1/8 (0.103 mi.)***	***C12***	***18***
SPRAGUE	***806 N BEAUDRY ST***	***SE 1/8 - 1/4 (0.161 mi.)***	***G18***	***23***
METROPOLITAN WATER DISTRICT	***610 N FIGUEROA TERRACE***	***SSE 1/8 - 1/4 (0.217 mi.)***	***I28***	***31***
US MARINE CORPS RESERVE CENTER	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J33***	***44***
LOS ANGELES FIRE STATION #6	***534 W EDGEWARE RD***	***WSW 1/8 - 1/4 (0.249 mi.)***	***K35***	***50***

Other Ascertainable Records

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 10/01/2012 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOS ANGELES NAVAL & MARINE COR	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J31***	***34***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SENGS AUTO REPAIR	***1165 SUNSET BLVD W***	***S 0 - 1/8 (0.045 mi.)***	***B5***	***10***
A QUALITY AUTO SERVICE INC.	***1301 W SUNSET BLVD***	***NNW 0 - 1/8 (0.103 mi.)***	***C12***	***18***
MWD HEADQUARTERS GARAGE	***610 FIGUEROA TERRACE N***	***SSE 1/8 - 1/4 (0.217 mi.)***	***I26***	***26***
LOS ANGELES NAVAL & MARINE COR	***1700 STADIUM WAY***	***ENE 1/8 - 1/4 (0.248 mi.)***	***J31***	***34***
UNOCAL #0253	***900 SUNSET BLVD***	***SSE 1/4 - 1/2 (0.391 mi.)***	***L39***	***54***
BANK OF AMERICA DATA CENTER	***1000 W TEMPLE ST***	***S 1/4 - 1/2 (0.398 mi.)***	***M41***	***58***
L & A SERVICE STATION	***1467 SUNSET BLVD***	***NNW 1/4 - 1/2 (0.440 mi.)***	***N45***	***73***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOLLOWAY DRY CLEANERS	1159 ECHO PARK BLVD	NW 1/2 - 1 (0.614 mi.)	47	76

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 8 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1218 W SUNSET BLVD	WSW 0 - 1/8 (0.011 mi.)	A2	8
Not reported	1165 W SUNSET BLVD	S 0 - 1/8 (0.042 mi.)	B4	9
Not reported	1280 W SUNSET BLVD	NNW 0 - 1/8 (0.057 mi.)	C9	15
Not reported	1289 W SUNSET BLVD	NNW 0 - 1/8 (0.072 mi.)	C10	15
Not reported	1301 W SUNSET BLVD	NNW 0 - 1/8 (0.103 mi.)	C13	20
Not reported	1344 W SUNSET BLVD	NNW 1/8 - 1/4 (0.209 mi.)	H24	25
Not reported	1346 W SUNSET BLVD	NNW 1/8 - 1/4 (0.216 mi.)	H25	26
HAAS F W	505 S BEAUDRY AVE	S 1/8 - 1/4 (0.220 mi.)	29	33

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 5 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LEONARD J A	958 EAST EDGEWARE RD	NW 1/8 - 1/4 (0.172 mi.)	20	24
Not reported	1285 ELYSIAN PARK AVE	N 1/8 - 1/4 (0.179 mi.)	E21	24

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
BAALBERGEN F H	1232 BELLEVUE AVE	WSW 0 - 1/8 (0.123 mi.)	D14	20
MELKOMAN LEVON	1253 BELLEVUE AVE	WSW 1/8 - 1/4 (0.130 mi.)	D15	20
Not reported	1316 W SUNSET BLVD	NNW 1/8 - 1/4 (0.139 mi.)	E16	21

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 19 records.

Site Name	Database(s)
MARLAND COMPANY	HIST CORTESE
WASTE MANAGEMENT OF GARDENA	SWEEPS UST, HAZNET
	CHMIRS, San Bern. Co. Permit
	SLIC, CHMIRS
SOUTHERN CALIFORNIA DISPOSAL	SWF/LF
FLUOR CORPORATION DISPOSAL SITE	SWF/LF
NORTH HOLLYWOOD ST. MDY	SWF/LF
LEDGER #2	SWF/LF
VAN NUYS ST. MDY	SWF/LF
PENMAR GOLF COURSE	SWF/LF
S.F. & BRAZIL	SWF/LF
G. H. PALMER & ASSOCIATES	LUST
LEO'S AUTO REPAIR	LUST
G & L LEASE	SLIC, HIST UST
NAIM FAHEL	HIST UST
FREIGHT SHEDS B&C	HIST UST
JONATHAN CLUB	HIST UST
SULPHUR CREST	HIST UST
LA FRIENDS CHILD CARE CENTER	RCRA-SQG, FINDS

OVERVIEW MAP - 3511447.2s

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	316456	CLIENT:	AEI Consultants
ADDRESS:	1185 West Sunset Boulevard Los Angeles CA 90026	CONTACT:	Brooke
		INQUIRY #:	3511447.2s
LAT/LONG:	34.0689 / 118.2499	DATE:	February 05, 2013 5:49 pm

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DETAIL MAP - 3511447.2s

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 316456	CLIENT: AEI Consultants
ADDRESS: 1185 West Sunset Boulevard Los Angeles CA 90026	CONTACT: Brooke INQUIRY #: 3511447.2s
LAT/LONG: 34.0689 / 118.2499	DATE: February 05, 2013 5:52 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	2	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	1	0	0	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	1	3	10	NR	14
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		2	4	4	NR	NR	10

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	3	0	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		1	1	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	1	0	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		3	4	NR	NR	NR	7
HIST UST	0.250		0	3	NR	NR	NR	3
SWEEPS UST	0.250		3	4	NR	NR	NR	7
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	1	0	NR	NR	1
HIST CORTESE	0.500		2	2	3	NR	NR	7
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MWMP	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250	1	5	3	NR	NR	NR	9
EDR US Hist Cleaners	0.250		1	4	NR	NR	NR	5

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property **1185 W SUNSET BLVD**
LOS ANGELES, CA 90012

Site 1 of 2 in cluster A

Actual: 453 ft.

EDR US Hist Auto Stat **1015175069** **N/A**

EDR Historical Auto Stations:

Name:	SEMPE AUTO REPAIR
Year:	1999
Address:	1185 W SUNSET BLVD
Name:	SEMPE AUTO REPAIR
Year:	2001
Address:	1185 W SUNSET BLVD
Name:	O & J AUTO REPAIR & SALES
Year:	2004
Address:	1185 W SUNSET BLVD
Name:	O & J AUTO REPAIRS & SALES
Year:	2010
Address:	1185 W SUNSET BLVD
Name:	O & J AUTO REPAIR & SALES
Year:	2011
Address:	1185 W SUNSET BLVD
Name:	O & J AUTO REPAIRS & SALES
Year:	2012
Address:	1185 W SUNSET BLVD

A2
WSW
< 1/8
0.011 mi.
59 ft.
1218 W SUNSET BLVD
LOS ANGELES, CA 90026

Site 2 of 2 in cluster A

Relative: Lower

Actual: 423 ft.

EDR US Hist Auto Stat **1015185478** **N/A**

EDR Historical Auto Stations:

Name:	E & R AUTO ACCESORIES
Year:	2003
Address:	1218 W SUNSET BLVD
Name:	R & R AUTO ACCESORIES
Year:	2004
Address:	1218 W SUNSET BLVD
Name:	R & R AUTO ACCESSORIES
Year:	2006
Address:	1218 W SUNSET BLVD
Name:	R & R AUTO ACCESSORIES
Year:	2008
Address:	1218 W SUNSET BLVD

B3 **SENG AUTO** **CA FID UST** **S101583166**
South **1165 W SUNSET BLVD** **SWEEPS UST** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.042 mi.
224 ft. **Site 1 of 6 in cluster B**

Relative:
Lower

Actual:
396 ft.

CA FID UST:

Facility ID:	19002908
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1165 W SUNSET BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900120000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

SWEEPS UST:

Status:	Not reported
Comp Number:	7523
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	Not reported
Actv Date:	Not reported
Capacity:	Not reported
Tank Use:	Not reported
Stg:	Not reported
Content:	Not reported
Number Of Tanks:	0

B4 **EDR US Hist Auto Stat** **1015171537**
South **1165 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.042 mi.
224 ft. **Site 2 of 6 in cluster B**

Relative:
Lower

Actual:
396 ft.

EDR Historical Auto Stations:

Name:	SENG AUTO REPAIR
Year:	1999
Address:	1165 W SUNSET BLVD
Name:	SENGS AUTO REPAIR
Year:	2001
Address:	1165 W SUNSET BLVD
Name:	SENG AUTO REPAIR

(Continued) **1015171537**

Year: 2003
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2004
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2005
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2006
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2007
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2008
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2009
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2010
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2011
Address: 1165 W SUNSET BLVD

Name: SENG AUTO REPAIR
Year: 2012
Address: 1165 W SUNSET BLVD

B5 **SENGS AUTO REPAIR** **HIST CORTESE** **S101297272**
South **1165 SUNSET BLVD W** **LUST** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.045 mi.
235 ft. **Site 3 of 6 in cluster B**

Relative:
Lower

Actual:
396 ft.

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120289

LUST:
Region: STATE
Global Id: T0603700524
Latitude: 34.0668473
Longitude: -118.2496764
Case Type: LUST Cleanup Site

SENGS AUTO REPAIR (Continued) **S101297272**

Status:	Completed - Case Closed
Status Date:	06/25/1998
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	AT
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900120289
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0603700524
Contact Type:	Regional Board Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

Global Id:	T0603700524
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

LUST:

Global Id:	T0603700524
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900120289
Status:	Case Closed
Substance:	Hydrocarbons
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil
Abatement Method Used at the Site:	Not reported
Global ID:	T0603700524
W Global ID:	W0605100649
Staff:	AT
Local Agency:	19050
Cross Street:	BELLEVUE AVE
Enforcement Type:	Not reported

SENGS AUTO REPAIR (Continued) **S101297272**

Date Leak Discovered:	Not reported	
Date Leak First Reported:		4/30/1990
Date Leak Record Entered:	12/13/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		4/30/1998
Date the Case was Closed:		6/25/1998
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	OLD CASE #121490-02	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3205.691324933449853695979 9243
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		8/30/1990
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	17815 SUNBURST AVE, NORTHRIDGE, CA 91325	
Program:	LUST	
Lat/Long:	34.0668473 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600649-001GEN	
Summary:	04/30/98 - REQUESTING A WP FOR SUBSURFACE INVESTIGAITON	

B6 **WATER DISTRICT OF SO CALIFORNIA** **CA FID UST** **S101585789**
SSE **1111 W SUNSET BLVD** **SWEEPS UST** **N/A**
< 1/8 **LOS ANGELES, CA 90012** **HAZNET**
0.055 mi.
290 ft. **Site 4 of 6 in cluster B**

Relative:
Lower

Actual:
423 ft.

CA FID UST:

Facility ID:	19029653
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132506000
Mail To:	Not reported
Mailing Address:	54153 TERMINAL ANNEX

WATER DISTRICT OF SO CALIFORNIA (Continued) **S101585789**

Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 7278
Number: 4
Board Of Equalization: Not reported
Referral Date: 09-21-93
Action Date: 03-18-94
Created Date: 02-29-88
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

HAZNET:
Year: 2008
Gepaid: CAC002628926
Contact: MICHAEL SANTOS
Telephone: 5627771801
Mailing Name: Not reported
Mailing Address: 9845 PAINTER AVE STE M
Mailing City,St,Zip: WHITTIER, CA 906052769
Gen County: Los Angeles
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 28
Facility County: Los Angeles

B7 **METROPOLITAN WATER DIST OF SO CA** **RCRA-SQG 1000367919**
SSE **1111 SUNSET BLVD** **FINDS CAD063842975**
< 1/8 **LOS ANGELES, CA 90012**
0.055 mi.
290 ft. **Site 5 of 6 in cluster B**

Relative:
Lower

Actual:
423 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: METROPOLITAN WATER DIST OF SO CA
Facility address: 1111 SUNSET BLVD
LOS ANGELES, CA 90012
EPA ID: CAD063842975

METROPOLITAN WATER DIST OF SO CA (Continued) **1000367919**

Mailing address: PO BOX 54153 TERMINAL ANNEX
LOS ANGELES, CA 90054
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: METROPOLITAN WATER DISTRICT OF SO CA
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/01/1981

METROPOLITAN WATER DIST OF SO CA (Continued) **1000367919**

Facility name: METROPOLITAN WATER DIST OF SO CA
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002653824

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

B8 **WATER DISTRICT OF SO CALIFORNI** **UST** **U003780511**
SSE **1111 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90012**
0.055 mi.
290 ft. **Site 6 of 6 in cluster B**

Relative:
Lower

Actual:
423 ft.

UST:
Facility ID: 24075
Latitude: 34.06596
Longitude: -118.24946

C9 **EDR US Hist Auto Stat** **1015197813**
NNW **1280 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90026**
0.057 mi.
300 ft. **Site 1 of 5 in cluster C**

Relative:
Lower

Actual:
440 ft.

EDR Historical Auto Stations:
Name: ANTIQUE & REPAIR
Year: 2003
Address: 1280 W SUNSET BLVD

C10 **EDR US Hist Auto Stat** **1015198638**
NNW **1289 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90026**
0.072 mi.
382 ft. **Site 2 of 5 in cluster C**

Relative:
Lower

Actual:
441 ft.

EDR Historical Auto Stations:
Name: FAR EAST AUTO REPAIR
Year: 1999
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO SERVICES
Year: 2001
Address: 1289 W SUNSET BLVD

(Continued) **1015198638**

Name: FAR EAST AUTO SERVICES
Year: 2002
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO REPAIR
Year: 2003
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO REPAIR
Year: 2004
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO REPAIR
Year: 2005
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO SERVICES
Year: 2006
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO SERVICES
Year: 2007
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO REPAIR
Year: 2010
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO REPAIR
Year: 2011
Address: 1289 W SUNSET BLVD

Name: FAR EAST AUTO REPAIR
Year: 2012
Address: 1289 W SUNSET BLVD

C11 **DONALD COZEN** **LUST** **S105051339**
NNW **1301 SUNSET BLVD W** **N/A**
< 1/8 **ECHO PARK, CA 90026**
0.100 mi.
529 ft. **Site 3 of 5 in cluster C**

Relative:
Lower

Actual:
442 ft.

LUST:
Region: STATE
Global Id: T0603700721
Latitude: 34.0713551
Longitude: -118.2504985
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/16/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900260189
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline

DONALD COZEN (Continued) **S105051339**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0603700721
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700721
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603700721
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900260189
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700721
W Global ID: W0605100649
Staff: UNK
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 3/5/1990
Date Leak Record Entered: 11/7/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/24/1990
Date the Case was Closed: 9/16/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK

DONALD COZEN (Continued) **S105051339**

Leak Source:	UNK	
Operator:	A QUALITY AUTO BODY	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		4663.911363696864422983209 9118
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		3/5/1990
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	10429 SUMMER HOLLY CIRCLE, LOS ANGELES CA 90077	
Program:	LUST	
Lat/Long:	34.0713551 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	2600649-001GEN	
Summary:	OLD CASE #110790-03	

C12 **A QUALITY AUTO SERVICE INC.** **HIST CORTESE** **S101583129**
NNW **1301 W SUNSET BLVD** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90026** **SWEEPS UST**
0.103 mi. **HAZNET**
544 ft. **Site 4 of 5 in cluster C** **EMI**

Relative:
Lower

Actual:
442 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900260189

CA FID UST:

Facility ID:	19002748
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1301 W SUNSET BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900260000
Contact:	Not reported

A QUALITY AUTO SERVICE INC. (Continued) **S101583129**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:
Status: Not reported
Comp Number: 7498
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: 0

HAZNET:
Year: 2007
Gepaid: CAL000315122
Contact: JIN OAK CHUNG/OWNER
Telephone: 2134823000
Mailing Name: Not reported
Mailing Address: 1301 W SUNSET BLVD
Mailing City,St,Zip: LOS ANGELES, CA 900264424
Gen County: Los Angeles
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.08
Facility County: Los Angeles

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 76892
Air District Name: SC
SIC Code: 2821
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

A QUALITY AUTO SERVICE INC. (Continued) **S101583129**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

C13 **EDR US Hist Auto Stat** **1015202200**
NNW **1301 W SUNSET BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90026**
0.103 mi.
544 ft. **Site 5 of 5 in cluster C**

Relative:
Lower

Actual:
442 ft.

EDR Historical Auto Stations:

Name: ALKO AUTO CTR
Year: 2002
Address: 1301 W SUNSET BLVD

Name: ALVARADO TRANSMISSION
Year: 2003
Address: 1301 W SUNSET BLVD

D14 **BAALBERGEN F H** **EDR US Hist Cleaners** **1009188562**
WSW **1232 BELLEVUE AVE** **N/A**
< 1/8 **LOS ANGELES, CA**
0.123 mi.
652 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
433 ft.

EDR Historical Cleaners:

Name: BAALBERGEN F H
Year: 1929
Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS

Name: BAALBERGEN F H
Year: 1933
Type: CLOTHES PRESSERS AND CLEANERS

D15 **MELKOMAN LEVON** **EDR US Hist Cleaners** **1009186688**
WSW **1253 BELLEVUE AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.130 mi.
685 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
434 ft.

EDR Historical Cleaners:

Name: MELKOMAN LEVON
Year: 1924
Type: CLOTHES CLEANERS PRESSERS AND DYERS

Name: KEMALIAN AZNIVE M
Year: 1929
Type: CLOTHES PRESSERS CLEANERS AND REPAIRERS

E16
NNW
1/8-1/4
0.139 mi.
732 ft.

1316 W SUNSET BLVD
LOS ANGELES, CA 90026

Site 1 of 2 in cluster E

EDR US Hist Cleaners **1014988088**
N/A

Relative:
Lower

Actual:
445 ft.

EDR Historical Cleaners:

Name:	IMPERIAL WASH
Year:	1999
Address:	1316 W SUNSET BLVD
Name:	JULIAS LAUNDRY
Year:	2005
Address:	1316 W SUNSET BLVD
Name:	JULIAS LAUNDRY
Year:	2006
Address:	1316 W SUNSET BLVD

F17
South
1/8-1/4
0.160 mi.
846 ft.

MARLAND COMPANY
1100-1154 BELLEVUE AVE
LOS ANGELES, CA 90012

Site 1 of 3 in cluster F

LUST **S104406277**
N/A

Relative:
Lower

Actual:
375 ft.

LUST:

Region:	STATE
Global Id:	T0603700538
Latitude:	34.065422
Longitude:	-118.251222
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/09/2000
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	BRC
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900120434
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0603700538
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603700538
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

MARLAND COMPANY (Continued) **S104406277**

Global Id: T0603700538
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120434
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603700538
W Global ID: W0605100649
Staff: BRC
Local Agency: 19050
Cross Street: BEAUDRY AVE
Enforcement Type: Not reported
Date Leak Discovered: 12/22/1998
Date Leak First Reported: 10/18/1999
Date Leak Record Entered: Not reported
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/16/1999
Date the Case was Closed: 5/9/2000
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 2693.2429763065548857357746262
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: MARLAND COMPANY C/O AC MARTIN
RP Address: 811 W. 7TH ST., LOS ANGELES, CA 90017
Program: SLIC

MARLAND COMPANY (Continued) **S104406277**

Lat/Long:	34.0650734 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	2600649-001GEN
Summary:	2-750 GAL, 2-500 GALL UST REMOVED 9/15/99, ONLY 1 QUARTER H2O SAMPLE.

G18 **SPRAGUE** **CA FID UST** **S101617149**
SE **806 N BEAUDRY ST** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.161 mi.
852 ft. **Site 1 of 2 in cluster G**

Relative:
Lower

Actual:
405 ft.

CA FID UST:

Facility ID:	19024722
Regulated By:	UTNKI
Regulated ID:	00016812
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2133877311
Mail To:	Not reported
Mailing Address:	3600 WILSHIRE BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900120000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

SWEEPS UST:

Status:	Not reported
Comp Number:	1004
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-050-001004-000001
Actv Date:	Not reported
Capacity:	3500
Tank Use:	CHEMICAL
Stg:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	1

G19 **SPRAGUE** **HIST UST** **U001560540**
SE **806 N BEAUDRY AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.161 mi.
852 ft. **Site 2 of 2 in cluster G**

Relative:
Lower

Actual:
405 ft.

HIST UST:

Region:	STATE
Facility ID:	00000016812
Facility Type:	Other
Other Type:	OIL WELLS
Total Tanks:	0001
Contact Name:	BRUCE MANLEY
Telephone:	2133877311
Owner Name:	ROBERT R. SPRAGUE
Owner Address:	3600 WILSHIRE BOULEVARD
Owner City,St,Zip:	LOS ANGELES, CA 90010
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00003500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	1/2 inches
Leak Detection:	Visual, Stock Inventor

---

20 **LEONARD J A** **EDR US Hist Cleaners** **1009190165**
NW **958 EAST EDGEWARE RD** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.172 mi.
907 ft.

Relative:
Higher

Actual:
507 ft.

EDR Historical Cleaners:

Name:	LEONARD J A
Year:	1929
Type:	CLOTHES PRESSERS CLEANERS AND REPAIRERS

E21 **EDR US Hist Cleaners** **1014986169**
North **1285 ELYSIAN PARK AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.179 mi.
946 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
461 ft.

EDR Historical Cleaners:

Name:	V & R CARPET CLEANING SERVICES
Year:	2002
Address:	1285 ELYSIAN PARK AVE
Name:	V & R CARPET CLEANING SERVICES
Year:	2003
Address:	1285 ELYSIAN PARK AVE

F22 **MARLAND CO.** **SLIC** **S104404759**
South **538 BEAUDRY** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.194 mi.
1026 ft. **Site 2 of 3 in cluster F**

Relative:
Lower

Actual:
365 ft.

SLIC REG 4:

Region:	4
Facility Status:	No further action required
SLIC:	0560
Substance:	TPH
Staff:	Not reported

F23 **MARLAND CO** **SLIC** **S106483739**
South **538 N. BEAUDRY AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.196 mi.
1033 ft. **Site 3 of 3 in cluster F**

Relative:
Lower

Actual:
365 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/26/1996
Global Id:	SL184291412
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0649718
Longitude:	-118.2494521
Case Type:	Cleanup Program Site
Case Worker:	TA
Local Agency:	Not reported
RB Case Number:	0560
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

H24 **EDR US Hist Auto Stat** **1015211506**
NNW **1344 W SUNSET BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.209 mi.
1105 ft. **Site 1 of 2 in cluster H**

Relative:
Lower

Actual:
449 ft.

EDR Historical Auto Stations:

Name:	RADIS MECHANICS SERVICE INC
Year:	2003
Address:	1344 W SUNSET BLVD
Name:	RADIS MECHANICS SERVICE INC
Year:	2004
Address:	1344 W SUNSET BLVD
Name:	RADIS MECHANICS SERVICE INC
Year:	2008
Address:	1344 W SUNSET BLVD

(Continued) **1015211506**

Name: RADIS MECHANICS SERVICE INC
Year: 2009
Address: 1344 W SUNSET BLVD

H25 **EDR US Hist Auto Stat** **1015211750**
NNW **1346 W SUNSET BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.216 mi.
1142 ft. **Site 2 of 2 in cluster H**

Relative:
Lower

Actual:
449 ft.

EDR Historical Auto Stations:
Name: RADIS MECHANICS SERVICE INC
Year: 2011
Address: 1346 W SUNSET BLVD

Name: RADIS MECHANICS SERVICE INC
Year: 2012
Address: 1346 W SUNSET BLVD

I26 **MWD HEADQUARTERS GARAGE** **HIST CORTESE** **S101296998**
SSE **610 FIGUEROA TERRACE N** **LUST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012**
0.217 mi.
1147 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
376 ft.

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120207

LUST:
Region: STATE
Global Id: T0603700516
Latitude: 34.0651210100902
Longitude: -118.247373104095
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/14/1997
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: AS
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120207
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0603700516
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF

MWD HEADQUARTERS GARAGE (Continued) **S101296998**

Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603700516
Contact Type: Regional Board Caseworker
Contact Name: ADNAN SIDDIQUI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: asiddiqui@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603700516
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0603700516
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900120207
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700516
W Global ID: W0605100649
Staff: AS
Local Agency: 19050
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: 5/22/1990
Date Leak First Reported: 8/27/1990
Date Leak Record Entered: 10/15/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/8/1997
Date the Case was Closed: 7/14/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P

MWD HEADQUARTERS GARAGE (Continued) **S101296998**

Well Name: Not reported
Approx. Dist To Production Well (ft): 1368.8001801505874475615552008
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 8/27/1990
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: METROPOLITAN WATER DISTRICT
RP Address: 13191 CROSSROADS PKWY N.,STE 305,CITY OF INDUSTRY 91746-3497
Program: LUST
Lat/Long: 34.0625615 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: MWD REQUESTING CLOSURE 8-29-94. ASSIGNED TO NA FOR REVIEW. OLD CASE #101890-03 08/30/94-CASE ASSIGNED TO GN

I27 **METROPOLITAN WATER DISTRICT** **UST** **U001560529**
SSE **610 N FIGUEROA ST** **HIST UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **LA Co. Site Mitigation**
0.217 mi. **HAZNET**
1147 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
376 ft.

UST:
Facility ID: 24423
Latitude: 34.06278
Longitude: -118.24621

HIST UST:
Region: STATE
Facility ID: 00000055603
Facility Type: Other
Other Type: WATER DISTRICT
Total Tanks: 0003
Contact Name: DENNIS RICHARDS
Telephone: 2132506000
Owner Name: WATER DISTRICT SOUTHERN CALIFO
Owner Address: 1111 SUNSET BLVD.
Owner City,St,Zip: LOS ANGELES, CA 90012

Tank Num: 001
Container Num: W-LA-9

METROPOLITAN WATER DISTRICT (Continued) **U001560529**

Year Installed: 1968
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: W-LA-10
Year Installed: 1968
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: W-LA-11
Year Installed: 1968
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

LA Co. Site Mitigation:
Facility ID: Not reported
Site ID: SD0000295
Case ID: RO0001296
Abated: Yes
Assigned To: Richard Clark
Entered Date: 09/01/2009
Abated Date: 06/02/2010

HAZNET:
Year: 2011
Gepaid: CAL000034503
Contact: DAVID PARKER
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540153
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.8765
Facility County: Los Angeles

Year: 2011
Gepaid: CAL000034503
Contact: DAVID PARKER
Telephone: 2132176281
Mailing Name: Not reported

METROPOLITAN WATER DISTRICT (Continued) **U001560529**

Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540153
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.085
Facility County: Los Angeles

Year: 2011
Gepaid: CAL000034503
Contact: DAVID PARKER
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540153
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0125
Facility County: Los Angeles

Year: 2011
Gepaid: CAL000034503
Contact: DAVID PARKER
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540153
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0125
Facility County: Los Angeles

Year: 2011
Gepaid: CAL000034503
Contact: DAVID PARKER
Telephone: 2132176281
Mailing Name: Not reported
Mailing Address: PO BOX 54153
Mailing City,St,Zip: LOS ANGELES, CA 900540153
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.57
Facility County: Los Angeles

METROPOLITAN WATER DISTRICT (Continued) **U001560529**

Click this hyperlink while viewing on your computer to access
40 additional CA_HAZNET: record(s) in the EDR Site Report.

I28 **METROPOLITAN WATER DISTRICT** **CA FID UST** **S101629302**
SSE **610 N FIGUEROA TERRACE** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **EMI**
0.217 mi.
1147 ft. **Site 3 of 3 in cluster I**

Relative:
Lower

Actual:
376 ft.

CA FID UST:

Facility ID:	19055565
Regulated By:	UTNKA
Regulated ID:	00055603
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132506000
Mail To:	Not reported
Mailing Address:	1111 SUNSET BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900120000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Not reported
Comp Number:	3024
Number:	Not reported
Board Of Equalization:	44-012722
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-050-003024-000003
Actv Date:	Not reported
Capacity:	550
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	1

Status:	Active
Comp Number:	3024
Number:	4
Board Of Equalization:	44-012722
Referral Date:	03-09-93
Action Date:	04-25-94
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-050-003024-000001
Actv Date:	04-20-88

METROPOLITAN WATER DISTRICT (Continued) **S101629302**

Capacity: 4000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 3024
Number: 4
Board Of Equalization: 44-012722
Referral Date: 03-09-93
Action Date: 04-25-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-003024-000002
Actv Date: 04-20-88
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16871
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 16871
Air District Name: SC
SIC Code: 4941
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

29
South
1/8-1/4
0.220 mi.
1163 ft.

HAAS F W
505 S BEAUDRY AVE
LOS ANGELES, CA

EDR US Hist Auto Stat **1009079959**
N/A

Relative:
Lower

Actual:
362 ft.

EDR Historical Auto Stations:
Name: HAAS F W
Year: 1933
Type: AUTOMOBILE REPAIRING

30
NW
1/8-1/4
0.235 mi.
1239 ft.

LA ECHO PARK CHILD CARE CENTER
1010 DOUGLAS ST
ECHO PARK, CA 90026

RCRA-SQG **1000200891**
FINDS **CAD981988066**

Relative:
Higher

Actual:
501 ft.

RCRA-SQG:
Date form received by agency: 03/25/1987
Facility name: LA ECHO PARK CHILD CARE CENTER
Facility address: 1010 DOUGLAS ST
ECHO PARK, CA 90026
EPA ID: CAD981988066
Mailing address: 200 N MAIN RM EIGHTH HUNDREDCH
LOS ANGELES, CA 90012
Contact: ENVIRONMENTAL MANAGER
Contact address: 1010 DOUGLAS ST
ECHO PARK, CA 90026
Contact country: US
Contact telephone: (213) 485-7527
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CITY OF LOS ANGELES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

LA ECHO PARK CHILD CARE CENTER (Continued) **1000200891**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002767113

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J31 **LOS ANGELES NAVAL & MARINE CORPS RES.CEN** **Cortese** **S102815066**
ENE **1700 STADIUM WAY** **HIST CORTESE** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **SLIC**
0.248 mi. **MCS**
1311 ft. **Site 1 of 3 in cluster J** **RESPONSE**
HAZNET
Relative: **ENVIROSTOR**
Lower

CORTESE:

Actual: **411 ft.**

Region:	CORTESE
Envirostor Id:	19970021
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	11/23/1999
Site Code:	300784
Latitude:	34.069030
Longitude:	-118.24211
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	export
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120334

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/04/1998
Global Id: T0603700529
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 34.0687922
Longitude: -118.2434812
Case Type: Cleanup Program Site
Case Worker: SLC
Local Agency: LOS ANGELES, CITY OF
RB Case Number: 900120334
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SLIC REG 4:
Region: 4
Facility Status: Site Assessment
SLIC: 1033
Substance: Not reported
Staff: GJH

MCS:
Global Id: T0603714859
Latitude: 34.06871
Longitude: -118.2419
Case Type: Military Cleanup Site
Status: Open - Verification Monitoring
Status Date: 10/20/2009
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Caseworker: HJ
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: 1033
LOC Case Number: 300784
File Location: Regional Board
Potential Media Affect: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Benzene, Gasoline
Site History: The Installation Restoration (IR) Site 1 at Naval and Marine Corps Reserve Center - Los Angeles (NMCRC-LA) consists of a former service station and vehicle lube rack area. The site located on approximately six acres of land, about 1 mile northeast of downtown Los Angeles,

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

and is currently used by the City of Los Angeles Fire Department for training purpose. The former gasoline UST and the presence of several drums of unknown waste at the lube rack are potential historical sources of contamination at the site. Contaminated subsurface soils and groundwater below the area of concern are potential current sources of contamination. Type of contaminants identified in soil and groundwater consisted primarily of petroleum hydrocarbons in gasoline and diesel ranges. Analytical results from site investigations identified subsurface soils in the 15 to 25 feet below ground surface (bgs) depths as the soil strata of greatest contamination. Depth to water is approximately 30 feet bgs. The risk to human health from exposure to soil and groundwater is below the level of concern. Currently there is no drinking water wells on the property or within 1-mile radius in the area. The nearest well is located about 3 miles north of the site, which is upgradient to the source area. As of April 2007, groundwater data collected from the site show steady decrease trends and the plume has contained on site. Of the volatile organic compounds detected in groundwater, only 1,2-dichloroethane exceeded the screening level of 0.5 micrograms per liter (ug/l). Benzene concentration has decreased close to its cleanup goal of 1 ug/l.

Click here to access the California GeoTracker records for this facility:

RESPONSE:

Facility ID:	19970021
Site Type:	State Response
Site Type Detail:	Closed Base
Acres:	6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, RWQCB 4 - Los Angeles
Lead Agency:	RWQCB 4 - Los Angeles
Lead Agency Description:	RWQCB 4 - Los Angeles
Project Manager:	Anantaramam Peddada
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Site Code:	300784
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	51
Senate:	24
Special Program Status:	Navy
Status:	Active
Status Date:	11/23/1999
Restricted Use:	NO
Funding:	* Defense Environmental Restoration Program (DERP)
Latitude:	34.06903
Longitude:	-118.2421
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING
Potential COC:	30002, 30013, 30024, 30025
Confirmed COC:	30013,30024,30025
Potential Description:	OTH, SOIL
Alias Name:	LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES NAVAL/MARINE RESERVE CENTER

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Alias Type: Alternate Name
Alias Name: 110033608120
Alias Type: EPA (FRS #)
Alias Name: T0603714859
Alias Type: GeoTracker Global ID
Alias Name: 300784
Alias Type: Project Code (Site Code)
Alias Name: 19970021
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/18/2005
Comments: The SI included Geophysical survey; soil sampling and analysis; groundwater sampling and analysis; assessing the nature and extent of contamination; assessing the fate and transport of contaminants and assessing potential risk to human health. Based on the results, it is recommended that the site no longer considered a CERCLA IR site, and should fall under State of California UST program. DTSC concurs with this recommendation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Plan
Completed Date: 08/12/2010
Comments: Report is complete. Navy is doing the fieldwork

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 07/05/2011
Comments: Document complete

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 1
Completed Document Type: Monitoring Plan
Completed Date: 05/31/2012
Comments: Completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
Year: 2000
Gepaid: CAC002283393
Contact: CITY OF LOS ANGELES
Telephone: 2134734771
Mailing Name: Not reported

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Mailing Address: 111 E 1ST ST STE 709
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Los Angeles
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .8428
Facility County: Los Angeles

Year: 2000
Gepaid: CAC002283393
Contact: CITY OF LOS ANGELES
Telephone: 2134734771
Mailing Name: Not reported
Mailing Address: 111 E 1ST ST STE 709
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 1.6500
Facility County: Los Angeles

Year: 2000
Gepaid: CAC002283393
Contact: CITY OF LOS ANGELES
Telephone: 2134734771
Mailing Name: Not reported
Mailing Address: 111 E 1ST ST STE 709
Mailing City,St,Zip: LOS ANGELES, CA 900120000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: .2500
Facility County: Los Angeles

Year: 2000
Gepaid: CAC001180720
Contact: US NAVY
Telephone: 6195324028
Mailing Name: Not reported
Mailing Address: 960 NORTH HARBOR DR
Mailing City,St,Zip: SAN DIEGO, CA 921320000
Gen County: Los Angeles
TSD EPA ID: AZD980892731
TSD County: 99
Waste Category: Contaminated soil from site clean-up
Disposal Method: Not reported
Tons: .3000
Facility County: Los Angeles

Year: 1998
Gepaid: CAC001400576

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Contact:	US NAVY
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	960 NORTH HARBOR DR
Mailing City,St,Zip:	SAN DIEGO, CA 921320000
Gen County:	Los Angeles
TSD EPA ID:	AZD983481813
TSD County:	99
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	75.8520
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type:	State Response
Site Type Detailed:	Closed Base
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 4 - Los Angeles
Lead Agency:	RWQCB 4 - Los Angeles
Program Manager:	Anantaramam Peddada
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Facility ID:	19970021
Site Code:	300784
Assembly:	51
Senate:	24
Special Program:	Navy
Status:	Active
Status Date:	11/23/1999
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	* Defense Environmental Restoration Program (DERP)
Latitude:	34.06903
Longitude:	-118.2421
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING
Potential COC:	30002, 30013, 30024, 30025
Confirmed COC:	30013,30024,30025
Potential Description:	OTH, SOIL
Alias Name:	LOS ANGELES NAVAL & MARINE CORPS RES.CEN
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES NAVAL/MARINE C. RESERVE CNTR
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES NAVAL/MARINE RESERVE CENTER
Alias Type:	Alternate Name
Alias Name:	110033608120
Alias Type:	EPA (FRS #)
Alias Name:	T0603714859
Alias Type:	GeoTracker Global ID
Alias Name:	300784
Alias Type:	Project Code (Site Code)
Alias Name:	19970021
Alias Type:	Envirostor ID Number

LOS ANGELES NAVAL & MARINE CORPS RES.CEN (Continued) **S102815066**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/18/2005
Comments:	The SI included Geophysical survey; soil sampling and analysis; groundwater sampling and analysis; assessing the nature and extent of contamination; assessing the fate and transport of contaminants and assessing potential risk to human health. Based on the results, it is recommended that the site no longer considered a CERCLA IR site, and should fall under State of California UST program. DTSC concurs with this recommendation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Soil Vapor Extraction Monitoring Plan
Completed Date:	08/12/2010
Comments:	Report is complete. Navy is doing the fieldwork
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	1
Completed Document Type:	Soil Vapor Extraction Monitoring Report
Completed Date:	07/05/2011
Comments:	Document complete
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	1
Completed Document Type:	Monitoring Plan
Completed Date:	05/31/2012
Comments:	Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

J32 **CITY OF LOS ANGELES FIRE DEPARTMENT** **LUST** **S103282093**
ENE **1700 STADIUM WAY** **CHMIRS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **HAZNET**
0.248 mi.
1311 ft. **Site 2 of 3 in cluster J**

Relative:
Lower

Actual:
411 ft.

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	900120334
Status:	Case Closed
Substance:	Hydrocarbons
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Soil

CITY OF LOS ANGELES FIRE DEPARTMENT (Continued) **S103282093**

Abatement Method Used at the Site: Not reported
Global ID: T0603700529
W Global ID: W0605100649
Staff: SLC
Local Agency: 19050
Cross Street: BERNARD ST
Enforcement Type: Not reported
Date Leak Discovered: 11/9/1994
Date Leak First Reported: 11/11/1994
Date Leak Record Entered: 4/21/1998
Date Confirmation Began: 11/11/1994
Date Leak Stopped: 11/9/1994
Date Case Last Changed on Database: 4/6/1998
Date the Case was Closed: 5/4/1998
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: DAVE GRIFFITH L A D W P
Well Name: Not reported
Approx. Dist To Production Well (ft): 3045.9568946067586398334605247
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 5/13/1996
Preliminary Site Assessment Began: 6/14/1996
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: DEPT OF THE NAVY, NFEC
RP Address: 1200 PACIFIC HIGHWAY, CODE 522, SAN DIEGO, CA 92132-5187
Program: SLIC
Lat/Long: 34.0687922 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: ONE WASTE OIL WAS REMOVED IN 1994. UST FUELS/W.V. CLOSED SITE TRANSFERRED TO SLIC/DOD (JR) FOR ANY ADDITIONAL ASSESSMENT (CLARIFIER, BBL STORAGE, MAINTENANCE/LUBE OIL BAYS ETC).

CHMIRS:
OES Incident Number: 99-4897
OES notification: 11/16/199901:02:02 PM
OES Date: Not reported
OES Time: Not reported

CITY OF LOS ANGELES FIRE DEPARTMENT (Continued) **S103282093**

Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Manley Oil Co.
Incident Date:	11/1/199912:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Crude Oil
Quantity Released:	Not reported
BBLS:	1
Cups:	0
CUFT:	0
Gallons:	0

CITY OF LOS ANGELES FIRE DEPARTMENT (Continued) **S103282093**

Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Production line leak

HAZNET:

Year:	2009
Gepaid:	CAL000250260
Contact:	assistant division commander
Telephone:	2134856101
Mailing Name:	Not reported
Mailing Address:	140 n ave 19
Mailing City,St,Zip:	los angeles, CA 90031
Gen County:	Los Angeles
TSD EPA ID:	CAT000613935
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.189
Facility County:	Los Angeles

Year:	2002
Gepaid:	CAL000250260
Contact:	assistant division commander
Telephone:	2134856101
Mailing Name:	Not reported
Mailing Address:	140 n ave 19
Mailing City,St,Zip:	los angeles, CA 90031
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	Not reported
Facility County:	Not reported

Year:	2002
Gepaid:	CAL000250260
Contact:	assistant division commander
Telephone:	2134856101
Mailing Name:	Not reported
Mailing Address:	140 n ave 19
Mailing City,St,Zip:	los angeles, CA 90031
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent

CITY OF LOS ANGELES FIRE DEPARTMENT (Continued) **S103282093**

Disposal Method: Transfer Station
Tons: 0.55
Facility County: Not reported

J33 **US MARINE CORPS RESERVE CENTER** **HIST Cal-Sites** **S101584386**
ENE **1700 STADIUM WAY** **LUST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90012** **CA FID UST**
0.248 mi. **SWEEPS UST**
1311 ft. **Site 3 of 3 in cluster J**

Relative:
Lower

Actual:
411 ft.

Calsite:
Facility ID: 19970021
Region: 3
Region Name: GLENDALE
Branch: SO
Branch Name: OMF-SOUTHERN CALIF
File Name: LOS ANGELES NAVAL & MARINE CORPS RES.CEN
State Senate District: 11231999
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: CLOSE
Type Name: CLOSED MILITARY BASE
NPL: Not Listed
SIC Code: 97
SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: APEDDADA
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 45
State Senate District Code: 21
Facility ID: 19970021
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: STE1
Proposed Budget: 0
AWP Completion Date: 01312007
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970021
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	STE1
Proposed Budget:	0
AWP Completion Date:	08312004
Revised Due Date:	Not reported
Comments Date:	01182005
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970021
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	STE1
Proposed Budget:	0
AWP Completion Date:	01312008
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	1700 STADIUM WAY

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Alternate City,St,Zip: LOS ANGELES, CA 90012
Background Info: The Naval and Marine Corps Reserve Center, Los Angeles (NMCRC-LA) consists of approximately 6 acres of land, approximately 1 mile northeast of downtown Los Angeles. This site is a closed reserve center where Naval or Marine Corps activities are no longer cond ucted. NMCRC-LA was constructed from 1938 to 1940 by the Works Progress Administration and was commissioned in 1940 to provide a dministrative, training, and logistics support to reserve units.
The facility has one Installation Restoration site, identified as Site 1, the former Service Station and Vehicle Lube Rack. The former service Station was built in 1943 and was used for fuelin g vehicles on site. The aboveground portion of the station has be en removed. Adjacent to the former Service Station, the Vehicle L ube Rack was used for vehicle maintenance and drained directly to a waste of oil underground storage tank(UST). Between 1987 to 19 89, hazardous substances (including used oil, solvents, hydraulic , fluid, and other new and used vehicle maintenance products) wer e stored in 55-gallon drums on the Vehicl Lube Rack. In Novembe r 1994, the waste oil UST was removed in 1994 under supervision o f the Los Angeles Fire Department. Soil with detected levels of total recoverable petroleum hydrocarbons was excavated and dispos ed off site. In 1995, an Environmental Baseline Study (EBS) was conducted. The EBS identified the Vehicle Lube Rack and the form er Service Station gasoline UST as areas requiring further invest igation. In 1996, a subsurface soil investigation conducted for Site 1 indicated the presence of gasoline-range hydrocarbons, be nzene, toluene, ethylbenzene, total xylenes, and 1,2-dichloroetha ne.
Comments Date: 01182005
Comments: The SI included Geophysical survey; soil sampling and analysis; g
Comments Date: 01182005
Comments: roundwater sampling and analysis; assessing the nature and extent
Comments Date: 01182005
Comments: of contamination; assessing the fate and transport of contaminan
Comments Date: 01182005
Comments: ts and assessing potential risk to human health. Based on the re
Comments Date: 01182005
Comments: sults, it is recommended that the site no longer considered a CE
Comments Date: 01182005
Comments: RCLA IR site, and should fall under State of California UST progr
Comments Date: 01182005
Comments: am. DTSC concurs with this recommendation.
ID Name: Not reported
ID Value: Not reported
Alternate Name: LOS ANGELES NAVAL/MARINE C. RESERVE CNTRLOS ANGELES NAVAL/MARINE RESERVE CENTERLOS ANGELES NAVAL & MARINE CORPS RES.CEN
Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 1033
Status: Not reported
Substance: Not reported
Substance Quantity: Not reported

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

Local Case No:	300784	
Case Type:	Not reported	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603714859	
W Global ID:	Not reported	
Staff:	GJH	
Local Agency:	Not reported	
Cross Street:	Not reported	
Enforcement Type:	None Taken	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		Not reported
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	Monica Ryan	
RP Address:	Not reported	
Program:	DOD	
Lat/Long:	Not reported	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CA FID UST:

Facility ID:	19010990
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported

US MARINE CORPS RESERVE CENTER (Continued) **S101584386**

SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	1700 STADIUM WAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900120000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Active
Comp Number:	4071
Number:	7
Board Of Equalization:	Not reported
Referral Date:	09-21-93
Action Date:	09-21-93
Created Date:	02-29-88
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	Not reported
Actv Date:	Not reported
Capacity:	Not reported
Tank Use:	Not reported
Stg:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

K34 **LA FIRE STATION 6** **RCRA-SQG 1000229462**
WSW **534 E EDGEWARE RD** **FINDS CAD981963127**
1/8-1/4 **LOS ANGELES, CA 90012** **HAZNET**
0.248 mi.
1312 ft. **Site 1 of 3 in cluster K**

Relative:
Lower

Actual:
428 ft.

RCRA-SQG:

Date form received by agency:	03/09/1987
Facility name:	LA FIRE STATION 6
Facility address:	534 E EDGEWARE RD LOS ANGELES, CA 90012
EPA ID:	CAD981963127
Mailing address:	200 N MAIN RM EIGHTH HUNDRED C LOS ANGELES, CA 90012
Contact:	ENVIRONMENTAL MANAGER
Contact address:	534 E EDGEWARE RD LOS ANGELES, CA 90012
Contact country:	US
Contact telephone:	(213) 485-7527
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

LA FIRE STATION 6 (Continued) **1000229462**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CITY OF LA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002756802

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

LA FIRE STATION 6 (Continued) **1000229462**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year:	1993
Gepaid:	CAD981963127
Contact:	DEPT OF GENERAL SERVICES
Telephone:	2134855846
Mailing Name:	Not reported
Mailing Address:	111 E 1ST STREET RM 709
Mailing City,St,Zip:	LOS ANGELES, CA 900120000
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Tons:	.0000
Facility County:	Los Angeles

K35 **LOS ANGELES FIRE STATION #6** **CA FID UST** **S101585510**
WSW **534 W EDGEWARE RD** **SWEEPS UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.249 mi.
1314 ft. **Site 2 of 3 in cluster K**

Relative:
Lower

Actual:
425 ft.

CA FID UST:

Facility ID:	19024434
Regulated By:	UTNKA
Regulated ID:	00047465
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2134855846
Mail To:	Not reported
Mailing Address:	200 N MAIN STREET-ROOM
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900260000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	Not reported
Comp Number:	2634
Number:	Not reported
Board Of Equalization:	44-012042
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-050-002634-000001
Actv Date:	Not reported

LOS ANGELES FIRE STATION #6 (Continued) **S101585510**

Capacity: 1000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

K36 **FIRE STATION #6** **HIST UST** **U001561154**
WSW **534 E EDGEWARE RD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90026**
0.249 mi.
1314 ft. **Site 3 of 3 in cluster K**

Relative:
Lower

Actual:
425 ft.

HIST UST:
Region: STATE
Facility ID: 00000047465
Facility Type: Other
Other Type: FIRE STATION
Total Tanks: 0001
Contact Name: Not reported
Telephone: 2134856939
Owner Name: CITY OF LOS ANGELES
Owner Address: 200 N. MAIN ST.
Owner City,St,Zip: LOS ANGELES, CA 90012

Tank Num: 001
Container Num: FS6-1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

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37 **NORTHROP GRUMMAN CORP (WC)** **HAZNET** **S103672582**
WNW **800 NO DOUGLAS** **ENVIROSTOR** **N/A**
1/4-1/2 **LOS ANGELES, CA 90250**
0.276 mi.
1455 ft.

Relative:
Higher

Actual:
480 ft.

HAZNET:
Year: 2011
Gepaid: CAD000627273
Contact: PAUL LEHMAN III
Telephone: 3103317781
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY MS PA11/W5
Mailing City,St,Zip: EL SEGUNDO, CA 902452804
Gen County: Not reported
TSD EPA ID: MND981098478
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Other Treatment
Tons: 0.4368
Facility County: Los Angeles

Year: 2011

NORTHROP GRUMMAN CORP (WC) (Continued) **S103672582**

Gepaid: CAD000627273
Contact: PAUL LEHMAN III
Telephone: 3103317781
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY MS PA11/W5
Mailing City,St,Zip: EL SEGUNDO, CA 902452804
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Unspecified alkaline solution
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 20.85
Facility County: Los Angeles

Year: 2011
Gepaid: CAD000627273
Contact: PAUL LEHMAN III
Telephone: 3103317781
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY MS PA11/W5
Mailing City,St,Zip: EL SEGUNDO, CA 902452804
Gen County: Not reported
TSD EPA ID: NED981723513
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 168.56
Facility County: Los Angeles

Year: 2011
Gepaid: CAD000627273
Contact: PAUL LEHMAN III
Telephone: 3103317781
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY MS PA11/W5
Mailing City,St,Zip: EL SEGUNDO, CA 902452804
Gen County: Not reported
TSD EPA ID: NED981723513
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 168.56
Facility County: Los Angeles

Year: 2011
Gepaid: CAD000627273
Contact: PAUL LEHMAN III
Telephone: 3103317781
Mailing Name: Not reported
Mailing Address: ONE HORNET WAY MS PA11/W5
Mailing City,St,Zip: EL SEGUNDO, CA 902452804
Gen County: Not reported
TSD EPA ID: TXD055141378
TSD County: Not reported
Waste Category: Biological waste other than sewage sludge
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel

NORTHROP GRUMMAN CORP (WC) (Continued) **S103672582**

Tons: 0.1275
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
637 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Maria Fabella
Supervisor: Philip Chandler
Division Branch: Cleanup Chatsworth
Facility ID: 80001311
Site Code: Not reported
Assembly: 62
Senate: 26
Special Program: Not reported
Status: * Inactive
Status Date: 01/01/2008
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92767
Longitude: -118.3830
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000627273
Alias Type: EPA Identification Number
Alias Name: 80001311
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/27/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/21/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/19/2010
Comments: Not reported

NORTHROP GRUMMAN CORP (WC) (Continued) **S103672582**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

38
SSW
1/4-1/2
0.287 mi.
1516 ft.

VICTOR RECYCLING CENTER **SWRCY** **S107137271**
1127 W TEMPLE ST **N/A**
LOS ANGELES, CA 90012

Relative:
Lower

Actual:
362 ft.

SWRCY:

Reg Id:	43934
Cert Id:	RC14575
Org Or Agency Reg Id:	43934
Organization Or Agency Name:	Victor Recycling Center
Mailing Address:	1127 W Temple St
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90012
Website:	Not reported
Email:	Not reported
Phone Number:	(213) 200-8141
Grand Father:	N
Rural:	N
Operation Begin Date:	10/01/2009
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	6:00 am - 5:00 pm
Tuesday Hours Of Operation:	6:00 am - 5:00 pm
Wednesday Hours Of Operation:	6:00 am - 5:00 pm
Thursday Hours Of Operation:	6:00 am - 5:00 pm
Friday Hours Of Operation:	6:00 am - 5:00 pm
Saturday Hours Of Operation:	6:00 am - 5:00 pm
Sunday Hours Of Operation:	6:00 am - 5:00 pm

L39
SSE
1/4-1/2
0.391 mi.
2065 ft.

UNOCAL #0253 **HIST CORTESE** **S103675558**
900 SUNSET BLVD **LUST** **N/A**
LOS ANGELES, CA 90012 **HAZNET**

Site 1 of 2 in cluster L

Relative:
Lower

Actual:
360 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900120034

UNOCAL #0253 (Continued) **S103675558**

LUST:

Region:	STATE
Global Id:	T0603700502
Latitude:	34.0627746027386
Longitude:	-118.247029781342
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/22/1996
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	YR
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900120034
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0603700502
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603700502
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603700502
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

HAZNET:

Year:	1994
Gepaid:	CAD981647142
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019

UNOCAL #0253 (Continued) **S103675558**

TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	1.4676
Facility County:	Los Angeles

Year:	1993
Gepaid:	CAD981647142
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	.3127
Facility County:	Los Angeles

Year:	1993
Gepaid:	CAD981647142
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Los Angeles
TSD EPA ID:	CAD028409109
TSD County:	0
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	.9174
Facility County:	Los Angeles

Year:	1993
Gepaid:	CAD981647142
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	.4170
Facility County:	Los Angeles

L40 **UNOCAL #0253** **LUST** **S104406269**
SSE **900 SUNSET BLVD** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012**
0.391 mi.
2065 ft. **Site 2 of 2 in cluster L**

Relative:
Lower

Actual:
360 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900120034	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Remove Free Product
Global ID:	T0603700502	
W Global ID:	W0605100649	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		10/22/1985
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		6/30/1998
Date the Case was Closed:		7/22/1996
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1435.31608282707829002831132 77
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/22/1988
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNOCAL CORPORATION	
RP Address:	17700 CASTLETON ST, SUITE 500, INDUSTRY CA 91728	
Program:	LUST	
Lat/Long:	34.0624755 / -1	
Local Agency Staff:	PEJ	

UNOCAL #0253 (Continued) **S104406269**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: TANKS AND CONTAMINATED SOIL REMOVED. NO FURTHER ACTION REQUIRED. 06/30/98 - WELL ABANDONMENT RPT

M41 **BANK OF AMERICA DATA CENTER** **HIST CORTESE** **U001560494**
South **1000 W TEMPLE ST** **HIST UST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012**
0.398 mi.
2102 ft. **Site 1 of 3 in cluster M**

Relative:
Lower

Actual:
343 ft.

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900120116

HIST UST:
Region: STATE
Facility ID: 00000000519
Facility Type: Other
Other Type: BANKING
Total Tanks: 0007
Contact Name: Not reported
Telephone: 2132286430
Owner Name: BANK OF AMERICA NT & SA
Owner Address: 1000 WEST TEMPLE STREET
Owner City,St,Zip: LOS ANGELES, CA 90012

Tank Num: 001
Container Num: 1
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1976
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1976
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

BANK OF AMERICA DATA CENTER (Continued) **U001560494**

Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1976
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1976
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 6
Year Installed: 1976
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 7
Year Installed: 1976
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

M42 **BANK OF AMERICA DATA CENTER** **CA FID UST** **S101617131**
South **1000 W TEMPLE ST** **SWEEPS UST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **EMI**
0.398 mi. **ENVIROSTOR**
2102 ft. **Site 2 of 3 in cluster M**

Relative:
Lower

Actual:
343 ft.

CA FID UST:
Facility ID: 19000855
Regulated By: UTNKA
Regulated ID: 00000519
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132286430
Mail To: Not reported
Mailing Address: 1000 W TEMPLE ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900120000
Contact: Not reported
Contact Phone: Not reported

BANK OF AMERICA DATA CENTER (Continued) **S101617131**

DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000046-000001
Actv Date: 04-20-88
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 7

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000046-000002
Actv Date: 04-20-88
Capacity: 20000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000046-000003
Actv Date: 04-20-88
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

BANK OF AMERICA DATA CENTER (Continued) **S101617131**

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000046-000004
Actv Date: 04-20-88
Capacity: 20000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000046-000005
Actv Date: 04-20-88
Capacity: 20000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-050-000046-000006
Actv Date: 04-20-88
Capacity: 20000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 46
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-05-93
Action Date: 03-05-93

BANK OF AMERICA DATA CENTER (Continued) **S101617131**

Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-050-000046-000007
Actv Date:	04-20-88
Capacity:	20000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	1102
Air District Name:	SC
SIC Code:	0
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1993
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1

BANK OF AMERICA DATA CENTER (Continued) **S101617131**

Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	50323
Air District Name:	SC
SIC Code:	6035
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.164376
Reactive Organic Gases Tons/Yr:	0.08
Carbon Monoxide Emissions Tons/Yr:	0.94511
NOX - Oxides of Nitrogen Tons/Yr:	1.1194
SOX - Oxides of Sulphur Tons/Yr:	0.045411
Particulate Matter Tons/Yr:	0.13822307
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.13

BANK OF AMERICA DATA CENTER (Continued) **S101617131**

ENVIROSTOR:

Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Facility ID:	71003397
Site Code:	Not reported
Assembly:	51
Senate:	24
Special Program:	Not reported
Status:	Refer: Other Agency
Status Date:	Not reported
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.06143
Longitude:	-118.2517
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAL913236278
Alias Type:	EPA Identification Number
Alias Name:	71003397
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

M43 **BANK OF AMERICA DATA CENTER** **LUST** **S105032371**
South **1000 TEMPLE ST W** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012**
0.400 mi.
2113 ft. **Site 3 of 3 in cluster M**

Relative:
Lower

Actual:
343 ft.

LUST:

Region:	STATE
Global Id:	T0603700510
Latitude:	34.0616586
Longitude:	-118.2503674
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/06/2012
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	AT
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900120116
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0603700510
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603700510
Contact Type:	Regional Board Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

LUST:

Global Id:	T0603700510
Action Type:	RESPONSE
Date:	01/15/2010
Action:	Monitoring Report - Semi-Annually

Global Id:	T0603700510
Action Type:	ENFORCEMENT
Date:	10/24/2003
Action:	* No Action

Global Id:	T0603700510
Action Type:	RESPONSE
Date:	10/14/2005

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 01/15/2011
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/19/2007
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 11/22/2004
Action: Well Destruction Report

Global Id: T0603700510
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0603700510
Action Type: RESPONSE
Date: 03/06/2012
Action: Well Destruction Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/24/2003
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/14/2008
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/16/2007
Action: Monitoring Report - Semi-Annually

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Global Id: T0603700510
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603700510
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603700510
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/22/2004
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603700510
Action Type: RESPONSE
Date: 04/16/2004
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/16/2006
Action: Remedial Progress Report

Global Id: T0603700510
Action Type: RESPONSE
Date: 10/24/2003
Action: Monitoring Report - Quarterly

Global Id: T0603700510
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0603700510
Action Type: ENFORCEMENT
Date: 01/06/2012
Action: Closure/No Further Action Letter

Global Id: T0603700510
Action Type: ENFORCEMENT

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Date: 06/17/2011
Action: Site Visit / Inspection / Sampling

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900120116	
Status:	Remedial action (cleanup) Underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		ED FP VE
Global ID:	T0603700510	
W Global ID:	W0605100649	
Staff:	AT	
Local Agency:	19050	
Cross Street:	TEMPLE/BEAUDRY	
Enforcement Type:	NA	
Date Leak Discovered:	4/13/1994	
Date Leak First Reported:		5/3/1994
Date Leak Record Entered:	6/3/1988	
Date Confirmation Began:	7/23/1987	
Date Leak Stopped:	2/14/1994	
Date Case Last Changed on Database:		4/17/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Structure Failure	
Leak Source:	Piping	
Operator:	BANK OF AMERICA	
Water System:	DAVE GRIFFITH L A D W P	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2460.731394308487188983964942
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		11/4/1987
Preliminary Site Assessment Began:		4/10/1988
Pollution Characterization Began:		3/28/1989
Remediation Plan Submitted:		11/7/1997
Remedial Action Underway:		4/16/2004
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		279000
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	LISA DAMERON	
RP Address:	1000 W. TEMPLE ST.	
Program:	LUST	
Lat/Long:	34.0616586 / -1	
Local Agency Staff:	PEJ	

BANK OF AMERICA DATA CENTER (Continued) **S105032371**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: 2600649-001GEN
Summary: (FREE PRODUCT SITE) ; 7/15/00 UST REMEDIATION PROGRAMS; 10/15/00 UST REMEDIATION PROGRAMS ENVIRON. MON 3RD QTR; 1/8/01 4THE QTR UST REMED. PROGRAMS; 4/15/01 1ST QTR GW MON RPT 2001

44
WSW
1/4-1/2
0.402 mi.
2123 ft.

LAUSD/ PLASENCIA ELEM **SCH S100939210**
1321 CORTEZ ST **HAZNET N/A**
LOS ANGELES, CA 90026 **EMI**
ENVIROSTOR

Relative: Lower

Actual: 421 ft.

SCH:

Facility ID: 60000055
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 6
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304008
Assembly: 51
Senate: 24
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 01/07/2000
Restricted Use: NO
Funding: School District
Latitude: 34.06556
Longitude: -118.2557
APN: 5160007910
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: PLASENCIA ELEM/PLASENCIA MAGNET SCH
Alias Type: Alternate Name
Alias Name: 5160007910
Alias Type: APN
Alias Name: 304008
Alias Type: Project Code (Site Code)
Alias Name: 60000055
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000

LAUSD/ PLASENCIA ELEM (Continued) **S100939210**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
Year: 2010
Gepaid: CAD982022618
Contact: SOE AUNG / ECM
Telephone: 2132413199
Mailing Name: Not reported
Mailing Address: 333 S BEAUDRY AVE FL 27
Mailing City,St,Zip: LOS ANGELES, CA 900170000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01
Facility County: Los Angeles

Year: 2006
Gepaid: CAD982022618
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S Beaudry Ave 20th Fl
Mailing City,St,Zip: Los Angeles, CA 900170000
Gen County: Los Angeles
TSD EPA ID: CAD980675276
TSD County: Kern
Waste Category: Other inorganic solid waste
Disposal Method: Treatment, Tank
Tons: 33.71
Facility County: Los Angeles

Year: 2005
Gepaid: CAD982022618
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S Beaudry Ave 20th Fl
Mailing City,St,Zip: Los Angeles, CA 900170000
Gen County: Los Angeles
TSD EPA ID: CAL000827758
TSD County: San Bernardino
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Recycler
Tons: 0.5

LAUSD/ PLASENCIA ELEM (Continued) **S100939210**

Facility County: Not reported

Year: 2004
Gepaid: CAD982022618
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 333 S Beaudry Ave 20th Fl
Mailing City,St,Zip: Los Angeles, CA 900170000
Gen County: Los Angeles
TSD EPA ID: CAL000827758
TSD County: San Bernardino
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Recycler
Tons: 0.5
Facility County: Not reported

Year: 2001
Gepaid: CAD982022618
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 1449 S SAN PEDRO ST
Mailing City,St,Zip: LOS ANGELES, CA 900153119
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.15
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 72821
Air District Name: SC
SIC Code: 8211
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

ENVIROSTOR:

Site Type: School Investigation
Site Type Detailed: School

LAUSD/ PLASENCIA ELEM (Continued) **S100939210**

Acres: 6
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Facility ID: 60000055
Site Code: 304008
Assembly: 51
Senate: 24
Special Program: Not reported
Status: Inactive - Needs Evaluation
Status Date: 01/07/2000
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.06556
Longitude: -118.2557
APN: 5160007910
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: PLASENCIA ELEM/PLASENCIA MAGNET SCH
Alias Type: Alternate Name
Alias Name: 5160007910
Alias Type: APN
Alias Name: 304008
Alias Type: Project Code (Site Code)
Alias Name: 60000055
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

N45 **L & A SERVICE STATION** **HIST CORTESE** **S104568878**
NNW **1467 SUNSET BLVD** **HAZNET** **N/A**
1/4-1/2 **LOS ANGELES, CA 90026**
0.440 mi.
2325 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
433 ft.

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900260307

HAZNET:
Year: 2011
Gepaid: CAL000348937
Contact: SHELLY MICUCCI
Telephone: 3108086812
Mailing Name: Not reported
Mailing Address: 17311 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 902480000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Tank bottom waste
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.4587
Facility County: Los Angeles

Year: 1999
Gepaid: CAC001488592
Contact: LESLIE WOHL
Telephone: 3108367493
Mailing Name: Not reported
Mailing Address: PO BOX 5165
Mailing City,St,Zip: BEVERLY HILLS, CA 902090000
Gen County: Los Angeles
TSD EPA ID: CAD982484933
TSD County: 7
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 12
Facility County: Los Angeles

Year: 1999
Gepaid: CAC001488592
Contact: LESLIE WOHL
Telephone: 3108367493
Mailing Name: Not reported
Mailing Address: PO BOX 5165
Mailing City,St,Zip: BEVERLY HILLS, CA 902090000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: 23.5605
Facility County: Los Angeles

N46 **ARCO #81460** **LUST** **S104406287**
NNW **1467 SUNSET BLVD W** **N/A**
1/4-1/2 **LOS ANGELES, CA 90026**
0.441 mi.
2329 ft. **Site 2 of 2 in cluster N**

Relative:
Lower

Actual:
433 ft.

LUST:

Region:	STATE
Global Id:	T0603700732
Latitude:	34.0753589
Longitude:	-118.2539346
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/19/2002
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	JW
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900260307
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0603700732
Contact Type:	Regional Board Caseworker
Contact Name:	JIMMIE WOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	jwoo@waterboards.ca.gov
Phone Number:	2135766600

Global Id:	T0603700732
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603700732
Action Type:	RESPONSE
Date:	01/15/2003
Action:	Monitoring Report - Quarterly

Global Id:	T0603700732
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0603700732
Action Type:	RESPONSE
Date:	04/15/2002

ARCO #81460 (Continued) **S104406287**

Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603700732
Action Type: ENFORCEMENT
Date: 08/08/2000
Action: Staff Letter

Global Id: T0603700732
Action Type: RESPONSE
Date: 10/28/2002
Action: Monitoring Report - Quarterly

Global Id: T0603700732
Action Type: RESPONSE
Date: 10/28/2002
Action: Request for Closure

Global Id: T0603700732
Action Type: ENFORCEMENT
Date: 12/19/2002
Action: Closure/No Further Action Letter

Global Id: T0603700732
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0603700732
Action Type: ENFORCEMENT
Date: 06/27/2002
Action: Staff Letter

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900260307
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Not reported
Global ID: T0603700732
W Global ID: W0603700547
Staff: JW

ARCO #81460 (Continued) **S104406287**

Local Agency:	19050	
Cross Street:	PORTIA	
Enforcement Type:	CLOS	
Date Leak Discovered:	2/25/1999	
Date Leak First Reported:		2/25/2000
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/15/2002
Date the Case was Closed:		12/19/2002
How Leak Discovered:	Repair Tank	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	SAED SHEHEED	
Water System:	FIRSTONE SCOUT RESRVTN (BOY SCOUT COUN)	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3759.3596240078351590476773872
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		2/12/1999
Preliminary Site Assessment Began:		4/13/2000
Pollution Characterization Began:		8/8/2000
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		2/25/2000
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		1/1/1965
Hist Max MTBE Conc in Groundwater:		40900
Hist Max MTBE Conc in Soil:		1180
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	LESLIE WOHL	
RP Address:	P.O. BOX 5165	
Program:	LUST	
Lat/Long:	34.0753589 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	1900547-001GEN	
Summary:	REQUEST AN URF FROM LA CITY FD. (RECEIVED REFERRED LTR. PRIOR 1/6/2000 FROM LA CITY FD); REC'D. URF 3/13/00	

47
NW
1/2-1
0.614 mi.
3244 ft.

HOLLOWAY DRY CLEANERS **Notify 65** **S100178588**
1159 ECHO PARK BLVD **N/A**
LOS ANGELES, CA 90026

Relative:
Lower

Actual:
398 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported

HOLLOWAY DRY CLEANERS (Continued) **S100178588**

Discharge Date: Not reported
Incident Description: 90026-4212

48
SSE
1/2-1
0.616 mi.
3250 ft.

CENTRAL LOS ANGELES HIGH SCHOOL NO. 9 **SCH** **S105628502**
450 SOUTH GRAND VIEW STREET **ENVIROSTOR** **N/A**
LOS ANGELES, CA 90057

Relative:
Lower

Actual:
388 ft.

SCH:

Facility ID:	19730194
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	12
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304184
Assembly:	53
Senate:	24
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	11/19/2004
Restricted Use:	NO
Funding:	School District
Latitude:	34.06129
Longitude:	-118.2758
APN:	5154032016
Past Use:	* BUSINESS SERVICES
Potential COC:	, 30577, 30005, 30407, 30001, 30191, 30154, 30587, 30272, 30018, 30594, 30013, 30593, 30003, 30156, 30578, 30137, 30550
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	CENTRAL LOS ANGELES HIGH SCH. #9 (PROP)
Alias Type:	Alternate Name
Alias Name:	CENTRAL LOS ANGELES HIGH SCHOOL #9
Alias Type:	Alternate Name
Alias Name:	LAUSD-NEW H.S.#9 MEDIA/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	5154032016
Alias Type:	APN
Alias Name:	110002657777
Alias Type:	EPA (FRS #)
Alias Name:	304184
Alias Type:	Project Code (Site Code)
Alias Name:	19730194
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

CENTRAL LOS ANGELES HIGH SCHOOL NO. 9 (Continued) **S105628502**

Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: DTSC entered into a Master Oversight Agreement (Agreement), (Docket Number HSA-A 99/00-051) with the Los Angeles Unified School District (LAUSD) on February 10, 2000.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/21/2001
Comments: DTSC approved the PEA and concurred that no further environmental investigation or cleanup was required at this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE

CENTRAL LOS ANGELES HIGH SCHOOL NO. 9 (Continued) **S105628502**

Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 05/27/2004
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: School Investigation
Site Type Detailed: School
Acres: 12
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Facility ID: 19730194
Site Code: 304184
Assembly: 53
Senate: 24
Special Program: Not reported
Status: No Further Action
Status Date: 11/19/2004
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.06129
Longitude: -118.2758
APN: 5154032016
Past Use: * BUSINESS SERVICES
Potential COC: , 30577, 30005, 30407, 30001, 30191, 30154, 30587, 30272, 30018, 30594, 30013, 30593, 30003, 30156, 30578, 30137, 30550
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: CENTRAL LOS ANGELES HIGH SCH. #9 (PROP)
Alias Type: Alternate Name
Alias Name: CENTRAL LOS ANGELES HIGH SCHOOL #9
Alias Type: Alternate Name
Alias Name: LAUSD-NEW H.S.#9 MEDIA/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name

CENTRAL LOS ANGELES HIGH SCHOOL NO. 9 (Continued) **S105628502**

Alias Name: 5154032016
Alias Type: APN
Alias Name: 110002657777
Alias Type: EPA (FRS #)
Alias Name: 304184
Alias Type: Project Code (Site Code)
Alias Name: 19730194
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: DTSC entered into a Master Oversight Agreement (Agreement), (Docket Number HSA-A 99/00-051) with the Los Angeles Unified School District (LAUSD) on February 10, 2000.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/21/2001
Comments: DTSC approved the PEA and concurred that no further environmental investigation or cleanup was required at this site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report

CENTRAL LOS ANGELES HIGH SCHOOL NO. 9 (Continued) **S105628502**

Completed Date:	01/09/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	01/09/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	05/27/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	05/27/2004
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

49
SSW
1/2-1
0.628 mi.
3314 ft.

VISTA HERMOSA **SCH** **S107737580**
1101 W. 1ST STREET **ENVIROSTOR** **N/A**
LOS ANGELES, CA 90012

Relative:
Lower

Actual:
328 ft.

SCH:

Facility ID:	60000001
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	35
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Ivy Osornio
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304420
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	Certified / Operation & Maintenance
Status Date:	10/26/2010
Restricted Use:	NO

VISTA HERMOSA (Continued) **S107737580**

Funding:	School District
Latitude:	34.05937
Longitude:	-118.2542
APN:	NONE SPECIFIED
Past Use:	SCHOOL - OTHER, FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - PETROLEUM
Potential COC:	30003, 30015, 30330, 30024, 30478
Confirmed COC:	, ,30015,30330
Potential Description:	SV, IA
Alias Name:	Belmont Learning Center
Alias Type:	Alternate Name
Alias Name:	Belmont Learning Complex
Alias Type:	Alternate Name
Alias Name:	Central Los Angeles High School #11
Alias Type:	Alternate Name
Alias Name:	LAUSD-VISTA HERMOSA
Alias Type:	Alternate Name
Alias Name:	Roybal Learning Center
Alias Type:	Alternate Name
Alias Name:	Vista Hermosa
Alias Type:	Alternate Name
Alias Name:	Vista Hermosa Park
Alias Type:	Alternate Name
Alias Name:	110033614337
Alias Type:	EPA (FRS #)
Alias Name:	300728
Alias Type:	Project Code (Site Code)
Alias Name:	304420
Alias Type:	Project Code (Site Code)
Alias Name:	19820013
Alias Type:	Envirostor ID Number
Alias Name:	60000001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/21/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/04/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	09/05/2002
Comments:	Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 04/21/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 03/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 01/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 11/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)

VISTA HERMOSA (Continued) **S107737580**

Completed Date: 02/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/31/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/07/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/02/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/26/2010
Comments: DTSC certified that the response action according to the DTSC-approved RAP is complete. Operation and maintenance is required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 07/08/2008
Comments: DTSC executed an O&M agreement for ongoing monitoring at the Vista

VISTA HERMOSA (Continued) **S107737580**

Hermosa and Roybal site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 02/22/1999
Comments: Rec'd signed agreement and sent fully executed agreement to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/01/2006
Comments: First Quarter 2005 Groundwater monitoring report for OU2.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/07/2006
Comments: Remedial Design Document was approved pending minor revisions in accordance with the comments provided in the DTSC approval letter. Construction of school scheduled to begin in late Feb. 2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/29/2003
Comments: New RI/FS for Vista Hermosa was submitted to DTSC on 9/29/03.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/29/2002
Comments: Fieldwork on 8/22/02

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 05/10/2005
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/06/2008
Comments: Vista Hermosa Park RACR approved on 5/6/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 07/18/2008
Comments: Proposed Central Los Angeles HS #11 RACR approved on 7/18/2008.

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 07/18/2008
Comments: site approved for occupany on 7/17/2008

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/17/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/08/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/12/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/23/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/11/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/04/2009

VISTA HERMOSA (Continued) **S107737580**

Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	09/29/2008
Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	10/31/2008
Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	11/21/2008
Comments:	Historical O&M report uplodaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	12/19/2008
Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	01/26/2009
Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	02/27/2009
Comments:	Historical O&M report uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	05/24/2011
Comments:	DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	10/26/2011
Comments:	DTSC approved the methane mitigation system design at the new Emergency Operation Center building.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operations and Maintenance Report
Completed Date:	08/10/2011
Comments:	DTSC approved the O&M report provided DTSC comments are incorporated

VISTA HERMOSA (Continued) **S107737580**

in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed during future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/16/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/27/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/10/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/10/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/11/2003
Comments: Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/16/2004
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2014
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2013
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2014
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2014
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: School Cleanup
Site Type Detailed: School
Acres: 35
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Facility ID: 60000001

VISTA HERMOSA (Continued) **S107737580**

Site Code: 304420
Assembly: 51
Senate: 24
Special Program: Not reported
Status: Certified / Operation & Maintenance
Status Date: 10/26/2010
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.05937
Longitude: -118.2542
APN: NONE SPECIFIED
Past Use: SCHOOL - OTHER, FUEL - VEHICLE STORAGE/ REFUELING, MANUFACTURING - PETROLEUM
Potential COC: 30003, 30015, 30330, 30024, 30478
Confirmed COC: , ,30015,30330
Potential Description: SV, IA
Alias Name: Belmont Learning Center
Alias Type: Alternate Name
Alias Name: Belmont Learning Complex
Alias Type: Alternate Name
Alias Name: Central Los Angeles High School #11
Alias Type: Alternate Name
Alias Name: LAUSD-VISTA HERMOSA
Alias Type: Alternate Name
Alias Name: Roybal Learning Center
Alias Type: Alternate Name
Alias Name: Vista Hermosa
Alias Type: Alternate Name
Alias Name: Vista Hermosa Park
Alias Type: Alternate Name
Alias Name: 110033614337
Alias Type: EPA (FRS #)
Alias Name: 300728
Alias Type: Project Code (Site Code)
Alias Name: 304420
Alias Type: Project Code (Site Code)
Alias Name: 19820013
Alias Type: Envirostor ID Number
Alias Name: 60000001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/21/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo

VISTA HERMOSA (Continued) **S107737580**

Completed Date: 09/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 09/05/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 04/21/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 03/25/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 01/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/22/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 11/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/22/2003
Comments: Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 02/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/31/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 08/07/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/07/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/26/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/02/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification

VISTA HERMOSA (Continued) **S107737580**

Completed Date:	10/26/2010
Comments:	DTSC certified that the response action according to the DTSC-approved RAP is complete. Operation and maintenance is required.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation & Maintenance Order/Agreement
Completed Date:	07/08/2008
Comments:	DTSC executed an O&M agreement for ongoing monitoring at the Vista Hermosa and Roybal site
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	02/22/1999
Comments:	Rec'd signed agreement and sent fully executed agreement to district
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	02/01/2006
Comments:	First Quarter 2005 Groundwater monitoring report for OU2.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	02/07/2006
Comments:	Remedial Design Document was approved pending minor revisions in accordance with the comments provided in the DTSC approval letter. Construction of school scheduled to begin in late Feb. 2006.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	09/29/2003
Comments:	New RI/FS for Vista Hermosa was submitted to DTSC on 9/29/03.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	08/29/2002
Comments:	Fieldwork on 8/22/02
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	10/29/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	4.15 Request
Completed Date:	05/10/2005
Comments:	Approved.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Document Type: Remedial Action Completion Report
Completed Date: 05/06/2008
Comments: Vista Hermosa Park RACR approved on 5/6/08

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 07/18/2008
Comments: Proposed Central Los Angeles HS #11 RACR approved on 7/18/2008.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan
Completed Date: 07/18/2008
Comments: site approved for occupany on 7/17/2008

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/17/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/08/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/12/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/23/2009
Comments: Historical O&M report uploaded

VISTA HERMOSA (Continued) **S107737580**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/11/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/04/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/29/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 10/31/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/21/2008
Comments: Historical O&M report uplodaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 12/19/2008
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 01/26/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 02/27/2009
Comments: Historical O&M report uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/24/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

VISTA HERMOSA (Continued) **S107737580**

Completed Document Type: Technical Report
Completed Date: 10/26/2011
Comments: DTSC approved the methane mitigation system design at the new Emergency Operation Center building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/10/2011
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 05/07/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed during future field work/reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 08/16/2012
Comments: DTSC approved the O&M report provided DTSC comments are addressed in future reports

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 11/27/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/10/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 01/04/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/10/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE

VISTA HERMOSA (Continued) **S107737580**

Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/27/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/11/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/16/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/16/2004
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2014
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2013
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2014
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Report
Future Due Date: 2014
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

50
WSW
1/2-1
0.632 mi.
3338 ft.

G.C. HEWITT COMPANY
174 GLENDALE BLVD
LOS ANGELES, CA 90026

HIST UST
ENVIROSTOR

U001561156
N/A

Relative:
Lower

Actual:
351 ft.

HIST UST:

Region:	STATE
Facility ID:	00000041601
Facility Type:	Other
Other Type:	PAINTING CONTRACTOR
Total Tanks:	0001
Contact Name:	R.J. BERG
Telephone:	2132509115
Owner Name:	G.C. HEWITT COMPANY
Owner Address:	174 GLENDALE BOULEVARD
Owner City,St,Zip:	LOS ANGELES, CA 90026
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	None

ENVIROSTOR:

Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Facility ID:	19510058
Site Code:	Not reported
Assembly:	51
Senate:	24
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Status:	Refer: Other Agency
Status Date:	08/15/1995
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.06361
Longitude:	-118.2594
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	10179
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	JAMES HUNTLEY & COMPANY
Alias Type:	Alternate Name
Alias Name:	CAD028523504
Alias Type:	EPA Identification Number
Alias Name:	19510058

G.C. HEWITT COMPANY (Continued) **U001561156**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/17/1984
Comments: INSPECTION(LOCAL) FIRE DEPT. 2 INSP/YR. 4 OR 5 YRS AGO RECEIVED CORRECTIVE COMMENTS ABOUT HSKPG OWNER: ROBERT & BARBARA BERG(44%) T/C W/ R.J.BERG 2/10/84 1)SOURCE ACT: CONSTRUCTION,JOB SITE WASTE-PAINT SLUDGE GENERATED & STORED ON SITE. 2)YR OF OPER 1966-PRESENT. 3)WASTE: HAULED BY J.C.INC (3650 E.26TH ST,VERNON,CA90023,213-268-3137) TO BKK LDFL,CASMALIA,& KETTLEMAN SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

51
NNW
1/2-1
0.668 mi.
3529 ft.

Relative:
Lower

Actual:
400 ft.

REGENCY CLEANERS **RCRA-SQG** **1000594357**
1411 ECHO PARK AVE **FINDS** **CAD983581802**
LOS ANGELES, CA 90026 **SLIC**
VCP
DRYCLEANERS
HAZNET
ENVIROSTOR

RCRA-SQG:
Date form received by agency: 05/07/1991
Facility name: REGENCY CLEANERS
Facility address: 1411 ECHO PARK AVE
LOS ANGELES, CA 90026
EPA ID: CAD983581802
Mailing address: ECHO PARK AVE
LOS ANGELES, CA 90026
Contact: KI JUN
Contact address: 1411 ECHO PARK AVE
LOS ANGELES, CA 90026
Contact country: US
Contact telephone: (213) 250-1973

REGENCY CLEANERS (Continued) **1000594357**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JUN KI HWAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002843932

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal

REGENCY CLEANERS (Continued) **1000594357**

facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/05/2005
Global Id:	SL0603767361
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.078233
Longitude:	-118.256759
Case Type:	Cleanup Program Site
Case Worker:	JA
Local Agency:	Not reported
RB Case Number:	1166
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

VCP:

Facility ID:	60001767
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.37
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Richard Allen
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Site Code:	301569
Assembly:	45
Senate:	22
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	08/20/2012
Restricted Use:	NO
Funding:	Not Applicable
Lat/Long:	34.07831 / -118.2560
APN:	5419-023-038
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED

REGENCY CLEANERS (Continued) **1000594357**

Potential Description: NONE SPECIFIED
Alias Name: 5419-023-038
Alias Type: APN
Alias Name: 301569
Alias Type: Project Code (Site Code)
Alias Name: 60001767
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/13/2012
Comments: VCA executed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DRYCLEANERS:
EPA Id: CAL000303521
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 02/17/2006
Facility Active: No
Inactive Date: 06/30/2008
Facility Addr2: Not reported
Owner Name: HYUN SOOK YANG
Owner Address: 1411 ECHO PARK AVE 102
Owner Address 2: Not reported
Owner Telephone: 2134829986
Contact Name: HYUN SOOK YANG OWNER
Contact Address: 1411 ECHO PARK AVE STE 102
Contact Address 2: Not reported
Contact Telephone: 2134829986

EPA Id: CAD983581802
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 05/07/1991
Facility Active: No

REGENCY CLEANERS (Continued) **1000594357**

Inactive Date:	02/17/2006
Facility Addr2:	Not reported
Owner Name:	JAI SUNG SHIM
Owner Address:	1411 ECHO PARK AVE #102
Owner Address 2:	Not reported
Owner Telephone:	2134829986
Contact Name:	JAEHYUK KWAK (JASON)
Contact Address:	1411 ECHO PARK AVE
Contact Address 2:	Not reported
Contact Telephone:	9099972123
EPA Id:	CAL000344553
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	07/06/2009
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	KWI MOON. KANG
Owner Address:	1026 S OXFORD AVE UNIT 302
Owner Address 2:	Not reported
Owner Telephone:	2135989828
Contact Name:	KRIS KANG OWNER
Contact Address:	1026 S OXFORD AVE UNIT 302
Contact Address 2:	Not reported
Contact Telephone:	2135989828

HAZNET:

Year:	2010
Gepaid:	CAC002651114
Contact:	SCOTT THOMPSON
Telephone:	8188880859
Mailing Name:	Not reported
Mailing Address:	1411 ECHO PARK AVE
Mailing City,St,Zip:	LOS ANGELES, CA 900263300
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	Los Angeles
Year:	2006
Gepaid:	CAL000303521
Contact:	HYUN YANG
Telephone:	9096141972
Mailing Name:	Not reported
Mailing Address:	1411 ECHO PARK AVE STE 102
Mailing City,St,Zip:	LOS ANGELES, CA 900260000
Gen County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L

REGENCY CLEANERS (Continued) **1000594357**

Disposal Method: Transfer Station
Tons: 0.35
Facility County: Los Angeles

Year: 2005
Gepaid: CAD983581802
Contact: JAEHYUK KWAK (JASON)
Telephone: 9099972123
Mailing Name: Not reported
Mailing Address: 11415 MAGNOLIA AVE #8
Mailing City,St,Zip: RIVERSIDE, CA 92505
Gen County: Los Angeles
TSD EPA ID: CAD980675276
TSD County: Kern
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 53.09
Facility County: Not reported

Year: 2004
Gepaid: CAD983581802
Contact: JAEHYUK KWAK (JASON)
Telephone: 9099972123
Mailing Name: Not reported
Mailing Address: 11415 MAGNOLIA AVE #8
Mailing City,St,Zip: RIVERSIDE, CA 92505
Gen County: Los Angeles
TSD EPA ID: CAD980675276
TSD County: Kern
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 53.09
Facility County: Not reported

Year: 2000
Gepaid: CAL000037511
Contact: JUN KI H
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1411 ECHO PARK AVE
Mailing City,St,Zip: LOS ANGELES, CA 900260000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .2085
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 0.37
NPL: NO

REGENCY CLEANERS (Continued) **1000594357**

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Richard Allen
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Facility ID: 60001767
Site Code: 301569
Assembly: 45
Senate: 22
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 08/20/2012
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not Applicable
Latitude: 34.07831
Longitude: -118.2560
APN: 5419-023-038
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 5419-023-038
Alias Type: APN
Alias Name: 301569
Alias Type: Project Code (Site Code)
Alias Name: 60001767
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/13/2012
Comments: VCA executed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

52 ESE 1/2-1 0.829 mi. 4378 ft. — **CORNFIELD SITE**, **1245 N. SPRING STREET**, **LOS ANGELES, CA 90012** — **VCP**, **HAZNET**, **ENVIROSTOR** — **S104573224**, **N/A**

Relative: Lower

Actual: 292 ft.

VCP:

Facility ID:	19400013
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	32
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Tedd Yargeau
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Site Code:	301019
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified
Status Date:	02/28/2003
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.06805 / -118.2322
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, RAIL ROAD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY
Potential COC:	30001, 30013, 3002502
Confirmed COC:	30001,30013,3002502
Potential Description:	OTH, SOIL
Alias Name:	CORNFIELDS
Alias Type:	Alternate Name
Alias Name:	CORNFIELDS RAILYARD
Alias Type:	Alternate Name
Alias Name:	CORNFIELDS SITE
Alias Type:	Alternate Name
Alias Name:	FORMER CORNFIELDS SITE
Alias Type:	Alternate Name
Alias Name:	110033613686
Alias Type:	EPA (FRS #)
Alias Name:	301019
Alias Type:	Project Code (Site Code)
Alias Name:	19400013
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date:	11/15/2002
Comments:	VCA2
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	05/17/2002

CORNFIELD SITE (Continued) **S104573224**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/28/2001
Comments: DTSC and proponent, Dept. of Parks and Recreation, enter into Voluntary Cleanup Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/2003
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2002
Comments: DTSC approves Removal Action Workplan for Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/16/2002
Comments: Site characterization activities which included additional sampling have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: Draft Final PEA Report conditionally approved pending the submittal of the waste manifests to be included in the Final PEA Report.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
Year: 2008
Gepaid: CAC002631337
Contact: GILBERT HERNANDEZ/X110
Telephone: 3105584566
Mailing Name: Not reported
Mailing Address: 700 N ALAMEDA ST STE 4-500
Mailing City,St,Zip: LOS ANGELES, CA 90012
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other organic solids

CORNFIELD SITE (Continued) **S104573224**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.025
Facility County: Los Angeles

Year: 2003
Gepaid: CAP000140376
Contact: FORMER CORNFIELD RAIL YARD
Telephone: 0
Mailing Name: Not reported
Mailing Address: ONE CAPITOL MALL SUITE 500
Mailing City,St,Zip: SACRAMENTO, CA 958140000
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Los Angeles
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 1638.4
Facility County: Los Angeles

Year: 2003
Gepaid: CAP000140376
Contact: FORMER CORNFIELD RAIL YARD
Telephone: 0
Mailing Name: Not reported
Mailing Address: ONE CAPITOL MALL SUITE 500
Mailing City,St,Zip: SACRAMENTO, CA 958140000
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Los Angeles
Waste Category: Contaminated soil from site clean-up
Disposal Method: Treatment, Tank
Tons: 147.49
Facility County: Los Angeles

Year: 2003
Gepaid: CAP000140376
Contact: FORMER CORNFIELD RAIL YARD
Telephone: 0
Mailing Name: Not reported
Mailing Address: ONE CAPITOL MALL SUITE 500
Mailing City,St,Zip: SACRAMENTO, CA 958140000
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Los Angeles
Waste Category: Contaminated soil from site clean-up
Disposal Method: Not reported
Tons: 15.17
Facility County: Los Angeles

Year: 2000
Gepaid: CAC002326673
Contact: UNION PACIFIC RAILROAD CORP
Telephone: 4022714327
Mailing Name: Not reported
Mailing Address: 1416 DODGE ST ROOM 930
Mailing City,St,Zip: OMAHA, NE 681790930

CORNFIELD SITE (Continued) **S104573224**

Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .7714
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 32
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Tedd Yargeau
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Facility ID: 19400013
Site Code: 301019
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Status: Certified
Status Date: 02/28/2003
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06805
Longitude: -118.2322
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, RAIL ROAD MAINTENANCE SHOP, RAILROAD RIGHT OF WAY
Potential COC: 30001, 30013, 3002502
Confirmed COC: 30001,30013,3002502
Potential Description: OTH, SOIL
Alias Name: CORNFIELDS
Alias Type: Alternate Name
Alias Name: CORNFIELDS RAILYARD
Alias Type: Alternate Name
Alias Name: CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: FORMER CORNFIELDS SITE
Alias Type: Alternate Name
Alias Name: 110033613686
Alias Type: EPA (FRS #)
Alias Name: 301019
Alias Type: Project Code (Site Code)
Alias Name: 19400013
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CORNFIELD SITE (Continued) **S104573224**

Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 11/15/2002
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 05/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/28/2001
Comments: DTSC and proponent, Dept. of Parks and Recreation, enter into Voluntary Cleanup Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/28/2003
Comments: VCA2

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/18/2002
Comments: DTSC approves Removal Action Workplan for Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/16/2002
Comments: Site characterization activities which included additional sampling have been completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/20/2001
Comments: Draft Final PEA Report conditionally approved pending the submittal of the waste manifests to be included in the Final PEA Report.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

53
SW
1/2-1
0.855 mi.
4512 ft.

ALTERNATE CENTRAL LOS ANGELES HS NO. 10
LUCAS AVENUE/MIRAMAR STREET
LOS ANGELES, CA 90026

SCH
ENVIROSTOR

S105628641
N/A

Relative:
Lower

Actual:
418 ft.

SCH:

Facility ID:	19880038
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	18
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304309
Assembly:	53
Senate:	30
Special Program Status:	Not reported
Status:	Certified
Status Date:	12/12/2005
Restricted Use:	NO
Funding:	School District
Latitude:	34.05227
Longitude:	-118.2527
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA, NONE
Potential COC:	, 30022, 30032, 30550, 30013, 30003, 30593, 30481, 30001, 30485, 30272, 30018, 30479, 40001, 30013
Confirmed COC:	40001,30013
Potential Description:	SED, SOIL, SV, SURFW, SOIL
Alias Name:	ALTERNATE CENTRAL LOS ANGELES HS #10
Alias Type:	Alternate Name
Alias Name:	LAUSD-ALTERNATE CENTRAL LA HS # 10
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	110033614159
Alias Type:	EPA (FRS #)
Alias Name:	304309
Alias Type:	Project Code (Site Code)
Alias Name:	19880038
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	11/14/2005
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/13/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 05/30/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/06/2005
Comments: DTSC approves SSI report, and recommends further action. DTSC requires preparation of a RAW to remove construction debris.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/02/2005
Comments: RAW approved for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/11/2005
Comments: Removal of Lead and Asbestos impacted debris material began on 11/3/2005 and was completed on 11/7/2005. Confirmation samples indicated the presence of Asbestos in three areas. Three remaining areas excavated on 11/11/2005. Confirmation samples indicate all impacted soil has been removed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Completed Document Type: Removal Action Completion Report
Completed Date: 12/12/2005
Comments: Approved RAC Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/06/2001
Comments: Report provides background info.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: School Cleanup
Site Type Detailed: School
Acres: 18
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Facility ID: 19880038
Site Code: 304309
Assembly: 53
Senate: 30
Special Program: Not reported
Status: Certified
Status Date: 12/12/2005
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.05227
Longitude: -118.2527
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA, NONE
Potential COC: , 30022, 30032, 30550, 30013, 30003, 30593, 30481, 30001, 30485, 30272, 30018, 30479, 40001, 30013
Confirmed COC: 40001,30013
Potential Description: SED, SOIL, SV, SURFW, SOIL
Alias Name: ALTERNATE CENTRAL LOS ANGELES HS #10
Alias Type: Alternate Name
Alias Name: LAUSD-ALTERNATE CENTRAL LA HS # 10
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033614159
Alias Type: EPA (FRS #)
Alias Name: 304309

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Alias Type: Project Code (Site Code)
Alias Name: 19880038
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 11/14/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/13/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 05/30/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/06/2005
Comments: DTSC approves SSI report, and recommends further action. DTSC requires preparation of a RAW to remove construction debris.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/02/2005

ALTERNATE CENTRAL LOS ANGELES HS NO. 10 (Continued) **S105628641**

Comments:	RAW approved for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/11/2005
Comments:	Removal of Lead and Asbestos impacted debris material began on 11/3/2005 and was completed on 11/7/2005. Confirmation samples indicated the presence of Asbestos in three areas. Three remaining areas excavated on 11/11/2005. Confirmation samples indicate all impacted soil has been removed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	12/12/2005
Comments:	Approved RAC Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/06/2001
Comments:	Report provides background info.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

54
WSW
1/2-1
0.905 mi.
4780 ft.

IGLESIA NI CRISTO **VCP** **S109548376**
141 NORTH UNION AVENUE **ENVIROSTOR** **N/A**
LOS ANGELES, CA 90026

Relative:
Lower

Actual:
424 ft.

VCP:

Facility ID:	60001080
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Site Code:	301416
Assembly:	51
Senate:	24
Special Programs Code:	Voluntary Cleanup Program
Status:	No Further Action

IGLESIA NI CRISTO (Continued) **S109548376**

Status Date:	10/08/2009
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.06532 / -118.2655
APN:	5159-008-025
Past Use:	NONE
Potential COC:	30013
Confirmed COC:	30013
Potential Description:	SOIL
Alias Name:	5159-008-025
Alias Type:	APN
Alias Name:	301416
Alias Type:	Project Code (Site Code)
Alias Name:	60001080
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	07/29/2009
Comments:	Complete
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/05/2009
Comments:	NFA letter sent. CRU memo sent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	09/15/2009
Comments:	NFA letter issued.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement Termination Notification
Completed Date:	10/08/2009
Comments:	NFA Issued. VCA Scope of work completed. CRU memo sent.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	2
NPL:	NO
Regulatory Agencies:	SMBRP

IGLESIA NI CRISTO (Continued) **S109548376**

Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Facility ID: 60001080
Site Code: 301416
Assembly: 51
Senate: 24
Special Program: Voluntary Cleanup Program
Status: No Further Action
Status Date: 10/08/2009
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.06532
Longitude: -118.2655
APN: 5159-008-025
Past Use: NONE
Potential COC: 30013
Confirmed COC: 30013
Potential Description: SOIL
Alias Name: 5159-008-025
Alias Type: APN
Alias Name: 301416
Alias Type: Project Code (Site Code)
Alias Name: 60001080
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 07/29/2009
Comments: Complete

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/05/2009
Comments: NFA letter sent. CRU memo sent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/15/2009
Comments: NFA letter issued.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement Termination Notification
Completed Date: 10/08/2009
Comments: NFA Issued. VCA Scope of work completed. CRU memo sent.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

IGLESIA NI CRISTO (Continued) **S109548376**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

55
SE
1/2-1
0.937 mi.
4948 ft.

MAGNUS COMPANY, INC **ENVIROSTOR** **S101480911**
860 NORTH MAIN STREET **N/A**
LOS ANGELES, CA 90012

Relative:
Lower

Actual:
290 ft.

ENVIROSTOR:
Site Type: Historical
Site Type Detailed: * Historical
Acres: 0
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Facility ID: 19370356
Site Code: Not reported
Assembly: 51
Senate: 24
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Status: No Further Action
Status Date: 01/24/1984
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 34.06083
Longitude: -118.2352
APN: NONE SPECIFIED
Past Use: MANUFACTURING - METAL
Potential COC: NONE SPECIFIED,31000
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: CAD980636138
Alias Type: EPA Identification Number
Alias Name: 19370355
Alias Type: Envirostor ID Number
Alias Name: 19370356
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/27/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 01/24/1984
Comments: FACILITY DRIVE-BY ASAP. ZONING & ACTIVITY CHANGES AT THIS AREA-US POSTAL SERVICE BLDG. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

MAGNUS COMPANY, INC (Continued) **S101480911**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	09/28/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

56
SW
1/2-1
0.939 mi.
4956 ft.

Relative:
Lower

Actual:
418 ft.

LAUSD/GRATTS ELEM **SCH** **S104576005**
309 LUCAS **NPDES** **N/A**
LOS ANGELES, CA 90017 **HIST CORTESE**
SLIC
ENF
HAZNET
ENVIROSTOR

SCH:

Facility ID:	19820074
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	5.2
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Ivy Osornio
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	300762
Assembly:	53
Senate:	24
Special Program Status:	Voluntary Cleanup Program
Status:	Active
Status Date:	05/08/2002
Restricted Use:	NO
Funding:	School District
Latitude:	34.05772
Longitude:	-118.2621
APN:	5153-025-020121, 5153-025-9011903, 5153-025-9071909
Past Use:	VEHICLE MAINTENANCE
Potential COC:	30003, 30022, 30024
Confirmed COC:	30003,30022,30024
Potential Description:	OTH
Alias Name:	GRATTS ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	GRATTS ELEMENTARY SCHOOL
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT

LAUSD/GRATTS ELEM (Continued) **S104576005**

Alias Type: Alternate Name
Alias Name: 5153-025-020121
Alias Type: APN
Alias Name: 5153-025-9011903
Alias Type: APN
Alias Name: 5153-025-9071909
Alias Type: APN
Alias Name: 110033620696
Alias Type: EPA (FRS #)
Alias Name: 300762
Alias Type: Project Code (Site Code)
Alias Name: 19820074
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/15/2000
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/02/2005
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2006
Comments: No Comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/07/2006
Comments: Approved the report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2007
Comments: Comments sent for future

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2007
Comments: Conditional approval with comments

Completed Area Name: PROJECT WIDE

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/03/2008
Comments: Acceped with the comments to be considered in the future.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/23/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/17/2008
Comments: DTSC did not have any comments on the Report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 07/01/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 08/19/2009
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/30/2008
Comments: DTSC accepted the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008
Comments: DTSC accepted Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2009
Comments: DTSC concurred with the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/29/2010
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC concurred with the report.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/28/2010
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/07/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2011
Comments: DTSC reviwed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2011
Comments: DTSC did not have any comments on the O&M report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2011
Comments: DTSC issued comments on the injection pilot test

Completed Area Name: GW OU
Completed Sub Area Name: Not reported

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Document Type: Monitoring Report
Completed Date: 11/30/2011
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/09/2011
Comments: DTSC comments on the injection pilot test results will be addressed in the removal action workplan

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 02/07/2012
Comments: DTSC concurred with the proposed microbial testing

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 03/12/2012
Comments: DTSC provided a comment on the TM that should be addressed in the draft RAW

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2012
Comments: DTSC issued comments on the 3rd and 4th Quarter 2011 remediation status report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future fieldwork/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/13/2012
Comments: DTSC approved the remediation status report with comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/25/2012
Comments: DTSC approved the O&M report without comments

Future Area Name: Not reported

LAUSD/GRATTS ELEM (Continued) **S104576005**

Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	GW OU
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Report
Schedule Due Date:	03/11/2013
Schedule Revised Date:	Not reported
Schedule Area Name:	GW OU
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Operations and Maintenance Plan
Schedule Due Date:	05/22/2013
Schedule Revised Date:	Not reported
Schedule Area Name:	GW OU
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Community Profile
Schedule Due Date:	04/04/2013
Schedule Revised Date:	Not reported
Schedule Area Name:	GW OU
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Fact Sheets
Schedule Due Date:	04/04/2013
Schedule Revised Date:	Not reported
Schedule Area Name:	GW OU
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Workplan
Schedule Due Date:	02/24/2013
Schedule Revised Date:	Not reported
Schedule Area Name:	GW OU
Schedule Sub Area Name:	Not reported
Schedule Document Type:	CEQA - Notice of Exemption
Schedule Due Date:	11/18/2012
Schedule Revised Date:	Not reported

NPDES:

Npdes Number:	CAG914001
Facility Status:	Active
Agency Id:	520932
Region:	4
Regulatory Measure Id:	194110
Order No:	R4-2007-0022
Regulatory Measure Type:	Enrollee
Place Id:	266923
WDID:	4B196800051
Program Type:	NPDES
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/15/2002
Expiration Date Of Regulatory Measure:	01/01/2011
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Los Angeles Unified SD Office of Environmental Health and Safety
Discharge Address:	333 South Beaudry Avenue 27th Floor
Discharge City:	Los Angeles
Discharge State:	CA
Discharge Zip:	90017

CORTESE:

LAUSD/GRATTS ELEM (Continued) **S104576005**

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	900170089

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	09/12/2000
Global Id:	T0603700588
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	34.0582226
Longitude:	-118.2617347
Case Type:	Cleanup Program Site
Case Worker:	AT
Local Agency:	LOS ANGELES, CITY OF
RB Case Number:	900170089
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ENF:

Region:	4
Facility Id:	266923
Agency Name:	Los Angeles Unified SD Office of Environmental Health and Safety
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	All other facilities
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	34.0582160
Place Longitude:	-118.26169
SIC Code 1:	8211
SIC Desc 1:	Elementary and Secondary Schools
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported

LAUSD/GRATTS ELEM (Continued) **S104576005**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	900170089
Reg Measure Id:	167913
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	227893
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	09/12/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/12/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900170089
Description:	Notice of Violation sent 9/12/00 for overdue SAR 2Q00 groundwater monitoring report & 4 free product recovery reports.
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Region:	4

LAUSD/GRATTS ELEM (Continued) **S104576005**

Facility Id:	266923
Agency Name:	Los Angeles Unified SD Office of Environmental Health and Safety
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	All other facilities
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	34.0582160
Place Longitude:	-118.26169
SIC Code 1:	8211
SIC Desc 1:	Elementary and Secondary Schools
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	TANKS
# Of Programs:	1
WDID:	900170089
Reg Measure Id:	167913
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

LAUSD/GRATTS ELEM (Continued) **S104576005**

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	230263
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	06/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/28/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 900170089
Description:	Notice of Violation sent 6/28/00 for FTS SAR & free product recovery report.
Program:	TANKS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HAZNET:

Year:	2005
Gepaid:	CAL000035072
Contact:	YI HWA KIM DEPUTY DIRECTOR
Telephone:	2137435086
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE 20TH FLR
Mailing City,St,Zip:	LOS ANGELES, CA 900170000
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	3.12
Facility County:	Not reported

Year:	2002
Gepaid:	CAL000035072
Contact:	YI HWA KIM DEPUTY DIRECTOR
Telephone:	2137435086
Mailing Name:	Not reported
Mailing Address:	1449 S SAN PEDRO ST
Mailing City,St,Zip:	LOS ANGELES, CA 900153119
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	San Bernardino
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	3.10

LAUSD/GRATTS ELEM (Continued) **S104576005**

Facility County: Not reported

Year: 2001
Gepaid: CAL000035072
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 1449 S SAN PEDRO ST
Mailing City,St,Zip: LOS ANGELES, CA 900153119
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.05
Facility County: Not reported

Year: 2001
Gepaid: CAL000035072
Contact: YI HWA KIM DEPUTY DIRECTOR
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 1449 S SAN PEDRO ST
Mailing City,St,Zip: LOS ANGELES, CA 900153119
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 0.4
Facility County: Not reported

Year: 1999
Gepaid: CAL000035072
Contact: LOS ANGELES USD
Telephone: 2137435086
Mailing Name: Not reported
Mailing Address: 1449 S SAN PEDRO ST
Mailing City,St,Zip: LOS ANGELES, CA 900153119
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: 0.2085
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:
Site Type: School Cleanup
Site Type Detailed: School
Acres: 5.2
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP

LAUSD/GRATTS ELEM (Continued) **S104576005**

Program Manager: Ivy Osornio
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Facility ID: 19820074
Site Code: 300762
Assembly: 53
Senate: 24
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 05/08/2002
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.05772
Longitude: -118.2621
APN: 5153-025-020121, 5153-025-9011903, 5153-025-9071909
Past Use: VEHICLE MAINTENANCE
Potential COC: 30003, 30022, 30024
Confirmed COC: 30003,30022,30024
Potential Description: OTH
Alias Name: GRATTS ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: GRATTS ELEMENTARY SCHOOL
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 5153-025-020121
Alias Type: APN
Alias Name: 5153-025-9011903
Alias Type: APN
Alias Name: 5153-025-9071909
Alias Type: APN
Alias Name: 110033620696
Alias Type: EPA (FRS #)
Alias Name: 300762
Alias Type: Project Code (Site Code)
Alias Name: 19820074
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/15/2000
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/02/2005
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/25/2006
Comments: No Comments

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 08/07/2006
Comments: Approved the report with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/24/2007
Comments: Comments sent for future

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 08/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/14/2007
Comments: Conditional approval with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/26/2007
Comments: Accepted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/03/2008
Comments: Acceped with the comments to be considered in the future.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/23/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 03/17/2008
Comments: DTSC did not have any comments on the Report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Document Type: Treatability Study Workplan
Completed Date: 07/01/2008
Comments: DTSC approved the Pilot Study Workplan for implementation provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 08/19/2009
Comments: DTSC approved the Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/30/2008
Comments: DTSC accepted the Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/2008
Comments: DTSC accepted Operation and Maintenance report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/29/2009
Comments: DTSC concurred with the report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/29/2010
Comments: Not reported

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/20/2010
Comments: DTSC concurred with the report.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/28/2010
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Document Type: Monitoring Report
Completed Date: 12/07/2010
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future field work/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2011
Comments: DTSC reviwed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/11/2011
Comments: DTSC did not have any comments on the O&M report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/18/2011
Comments: DTSC issued comments on the injection pilot test

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/30/2011
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/09/2011
Comments: DTSC comments on the injection pilot test results will be addressed in the removal action workplan

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/29/2012
Comments: DTSC reviewed the O&M report and had no comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Workplan
Completed Date: 02/07/2012
Comments: DTSC concurred with the proposed microbial testing

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 03/12/2012
Comments: DTSC provided a comment on the TM that should be addressed in the draft RAW

Completed Area Name: GW OU
Completed Sub Area Name: Not reported

LAUSD/GRATTS ELEM (Continued) **S104576005**

Completed Document Type: Monitoring Report
Completed Date: 04/03/2012
Comments: DTSC issued comments on the 3rd and 4th Quarter 2011 remediation status report

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/14/2012
Comments: DTSC approved the O&M report provided DTSC comments are incorporated in future fieldwork/reports.

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/13/2012
Comments: DTSC approved the remediation status report with comments

Completed Area Name: GW OU
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 09/25/2012
Comments: DTSC approved the O&M report without comments

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: GW OU
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Report
Schedule Due Date: 03/11/2013
Schedule Revised Date: Not reported
Schedule Area Name: GW OU
Schedule Sub Area Name: Not reported
Schedule Document Type: Operations and Maintenance Plan
Schedule Due Date: 05/22/2013
Schedule Revised Date: Not reported
Schedule Area Name: GW OU
Schedule Sub Area Name: Not reported
Schedule Document Type: Community Profile
Schedule Due Date: 04/04/2013
Schedule Revised Date: Not reported
Schedule Area Name: GW OU
Schedule Sub Area Name: Not reported
Schedule Document Type: Fact Sheets
Schedule Due Date: 04/04/2013
Schedule Revised Date: Not reported
Schedule Area Name: GW OU
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 02/24/2013
Schedule Revised Date: Not reported
Schedule Area Name: GW OU
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 11/18/2012

LAUSD/GRATTS ELEM (Continued) **S104576005**

Schedule Revised Date: Not reported

57
WNW
1/2-1
0.945 mi.
4989 ft.

CENTRAL REGION ES #14
2115 MARATHON STREET
LOS ANGELES, CA 90026

SCH **S107736108**
ENVIROSTOR **N/A**

Relative:
Lower

Actual:
404 ft.

SCH:

Facility ID:	60000074
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	3.35
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	Angela Garcia
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304496
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	Certified
Status Date:	02/04/2010
Restricted Use:	NO
Funding:	School District
Latitude:	34.0764
Longitude:	-118.265
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	30003, 30013, 30022, 30136
Confirmed COC:	30003-NO,30022-NO,30136-NO,30013
Potential Description:	SOIL
Alias Name:	LAUSD-PRPSD CENTRAL REGION ES #14 SITE
Alias Type:	Alternate Name
Alias Name:	110033619403
Alias Type:	EPA (FRS #)
Alias Name:	304496
Alias Type:	Project Code (Site Code)
Alias Name:	60000074
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/26/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	06/15/2007
Comments:	NOE was drafted prior to start of public comment period

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/08/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 11/19/2009
Comments: DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/10/2005
Comments: SSI for data gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/23/2006
Comments: DTSC approved SSI with no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/30/2006
Comments: DTSC issued a Further Action determination based on the Supplemental Site Investigation report. DTSC requested removal of lead contaminated soil

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 08/09/2006
Comments: Approved.

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/23/2007
Comments: Approved the fact sheet and public notice for public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/20/2007
Comments: Approved the Fact sheet and public notice for public comment period from April 26, 2007 through May 25, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/21/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/21/2009
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: School Cleanup
Site Type Detailed: School
Acres: 3.35
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Garcia
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Facility ID: 60000074
Site Code: 304496
Assembly: 51
Senate: 24
Special Program: Not reported
Status: Certified

CENTRAL REGION ES #14 (Continued) **S107736108**

Status Date: 02/04/2010
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 34.0764
Longitude: -118.265
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: 30003, 30013, 30022, 30136
Confirmed COC: 30003-NO,30022-NO,30136-NO,30013
Potential Description: SOIL
Alias Name: LAUSD-PRPSD CENTRAL REGION ES #14 SITE
Alias Type: Alternate Name
Alias Name: 110033619403
Alias Type: EPA (FRS #)
Alias Name: 304496
Alias Type: Project Code (Site Code)
Alias Name: 60000074
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/15/2007
Comments: NOE was drafted prior to start of public comment period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 04/08/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/19/2009
Comments: Not reported

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/10/2005
Comments: SSI for data gaps.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 02/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 06/23/2006
Comments: DTSC approved SSI with no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/30/2006
Comments: DTSC issued a Further Action determination based on the Supplemental Site Investigation report. DTSC requested removal of lead contaminated soil

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.14 Request
Completed Date: 08/09/2006
Comments: Approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/15/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/23/2007
Comments: Approved the fact sheet and public notice for public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/20/2007
Comments: Approved the Fact sheet and public notice for public comment period from April 26, 2007 through May 25, 2007.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/21/2009
Comments: Not reported

CENTRAL REGION ES #14 (Continued) **S107736108**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/21/2009
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 19 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREA	U001560714	G & L LEASE	IMPERIAL HIGHWAY	90017	SLIC, HIST UST
COUNTY	U001560735	NAIM FAHEL	STAR ROUTE #2, P.O.BOX 114	90017	HIST UST
HIGHLAND	S105676581		2904 FRONTAGE RD.	90012	CHMIRS, San Bern. Co. Permit
LOS ANGELES	S109422338	SOUTHERN CALIFORNIA DISPOSAL	186TH STREET AND VERMONT AVE		SWF/LF
LOS ANGELES	S111075905	FLUOR CORPORATION DISPOSAL SITE	2500 S ATLANTIC AVE		SWF/LF
LOS ANGELES	S105024731	MARLAND COMPANY	11001154 BELLEVUE AVE	90012	HIST CORTESE
LOS ANGELES	S109348505	G. H. PALMER & ASSOCIATES	867 CESAR CHAVEZ AVE	90012	LUST
LOS ANGELES	S109422369	NORTH HOLLYWOOD ST. MDY	10811 CHANDLER BLVD		SWF/LF
LOS ANGELES	U001560513	FREIGHT SHEDS B&C	117 COLLEGE ST.	90012	HIST UST
LOS ANGELES	U001616323	JONATHAN CLUB	545 S FIGUEROA ST	90071	HIST UST
LOS ANGELES	S103636718	WASTE MANAGEMENT OF GARDENA	17819 S FIGUEROA ST		SWEEPS UST, HAZNET
LOS ANGELES	S111075979	LEDGER #2	10403 GLENOAKS BLVD		SWF/LF
LOS ANGELES	1000230595	LA FRIENDS CHILD CARE CENTER	707 E KENSINGTON RD	90026	RCRA-SQG, FINDS
LOS ANGELES	S105651003		MAINSTAND FIRST ST	90012	SLIC, CHMIRS
LOS ANGELES	S109422353	VAN NUYS ST. MDY	15145 OXNARD ST		SWF/LF
LOS ANGELES	S109422348	PENMAR GOLF COURSE	1233 ROSE AVE.		SWF/LF
LOS ANGELES	S109422337	S.F. & BRAZIL	SAN FERNANDO AND BRAZIL		SWF/LF
LOS ANGELES	S111760329	LEO'S AUTO REPAIR	3100 SUNSET BLVD	90026	LUST
SULPHUR MOUNTAIN	U001560746	SULPHUR CREST	OFF HIGHWAY 150	90017	HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/02/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/07/2013
Number of Days to Update: 40

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/11/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 11/02/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/07/2013
Number of Days to Update: 40

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 46

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 38

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 12/14/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 54

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 12/05/2012
Date Data Arrived at EDR: 12/06/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 40

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 24

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 35

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/17/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/31/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/16/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/09/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62
Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 57
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 35
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/21/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 23

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 11/16/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 62

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/08/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/07/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 34

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/15/2012
Date Data Arrived at EDR: 10/16/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/09/2013
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/04/2013
Number of Days to Update: 45

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 26

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/16/2013
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 42

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Semi-Annually

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 56

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 12/21/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 32

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 07/10/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 56

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 38

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/22/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 10/25/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 36

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 01/31/2013
Number of Days to Update: 16

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county?s Certified Unified Program Agency database. California?s Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24
Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/15/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 18
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/11/2012
Date Data Arrived at EDR: 12/12/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 34

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/02/2012
Number of Days to Update: 22

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/08/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 38

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/21/2012
Date Made Active in Reports: 01/30/2013
Number of Days to Update: 40
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/22/2013
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/26/2012
Date Made Active in Reports: 01/17/2013
Number of Days to Update: 52
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 25
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 36
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 01/11/2013
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 12/03/2012
Date Data Arrived at EDR: 12/05/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/13/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 19

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/29/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 46

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 11/27/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/17/2013
Number of Days to Update: 50

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/22/2013
Number of Days to Update: 36

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 12/12/2012
Date Data Arrived at EDR: 12/17/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 39

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 23

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 01/15/2013
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/21/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 10/29/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 27
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/29/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/04/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/25/2013
Number of Days to Update: 36
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/28/2012
Date Made Active in Reports: 01/30/2013
Number of Days to Update: 33
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/16/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 48
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/03/2013
Number of Days to Update: 45
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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APPENDIX C

HISTORICAL SOURCES

AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

N

Approximate Property Boundary

Year: 1927

Project Number: 316456

AEI Consultants

AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

N

Approximate Property Boundary

Year: 1938

Project Number: 316456

AEI Consultants

AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

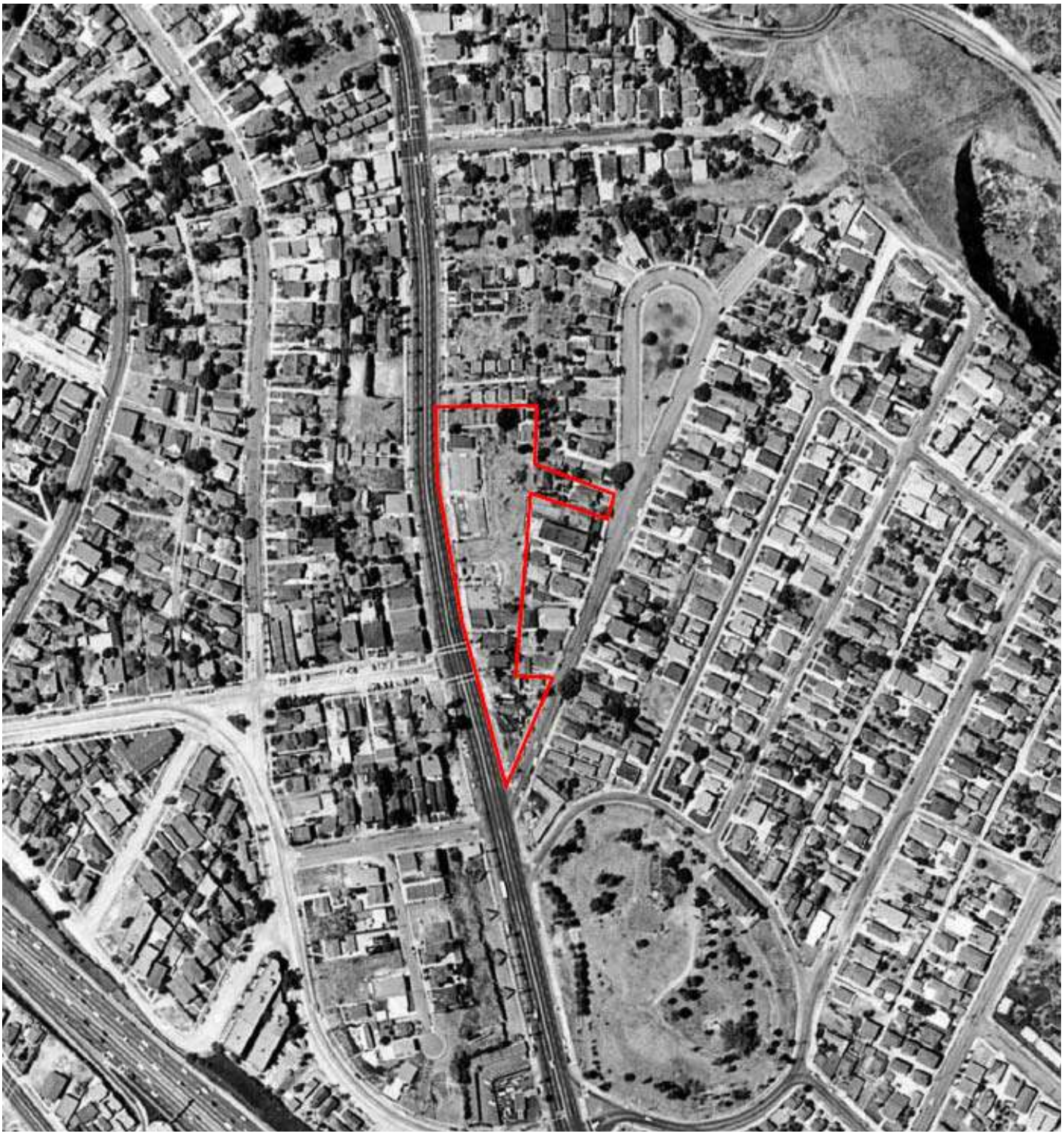
N

Approximate Property Boundary

Year: 1947

Project Number: 316456

AEI Consultants



AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

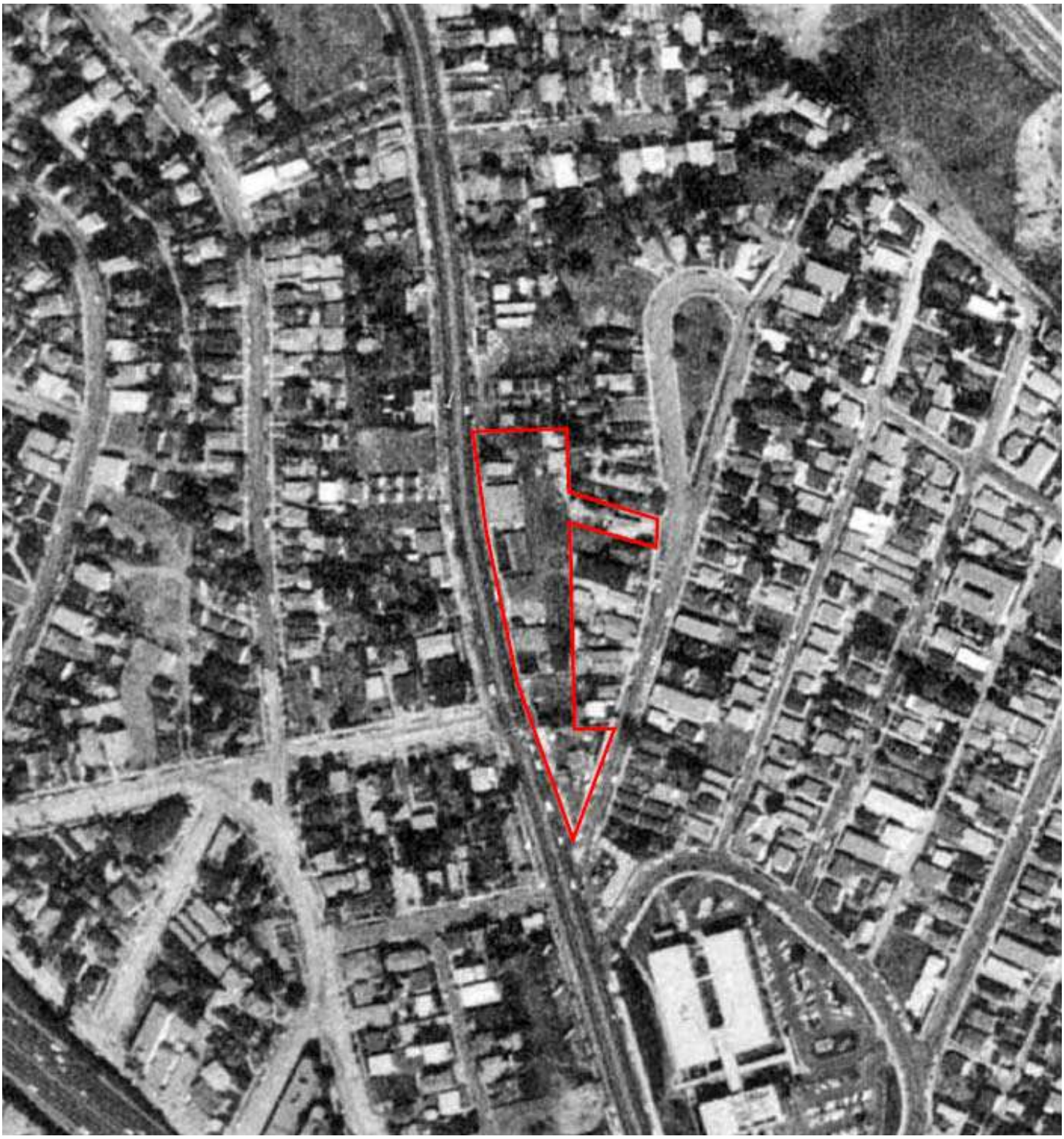
N

Approximate Property Boundary

Year: 1956

Project Number: 316456

AEI Consultants



AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

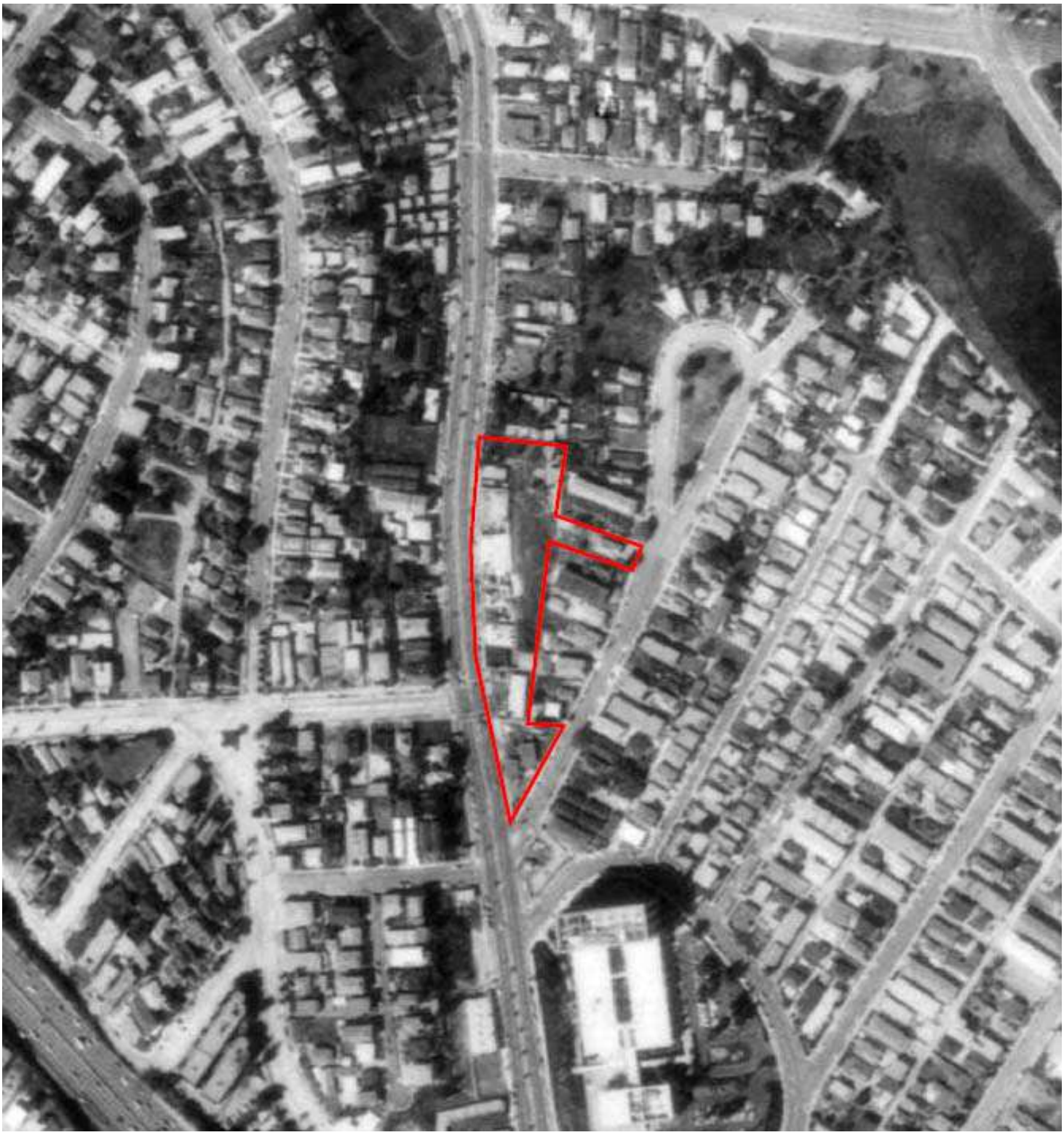
N

Approximate Property Boundary

Year: 1965

Project Number: 316456

AEI Consultants



AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

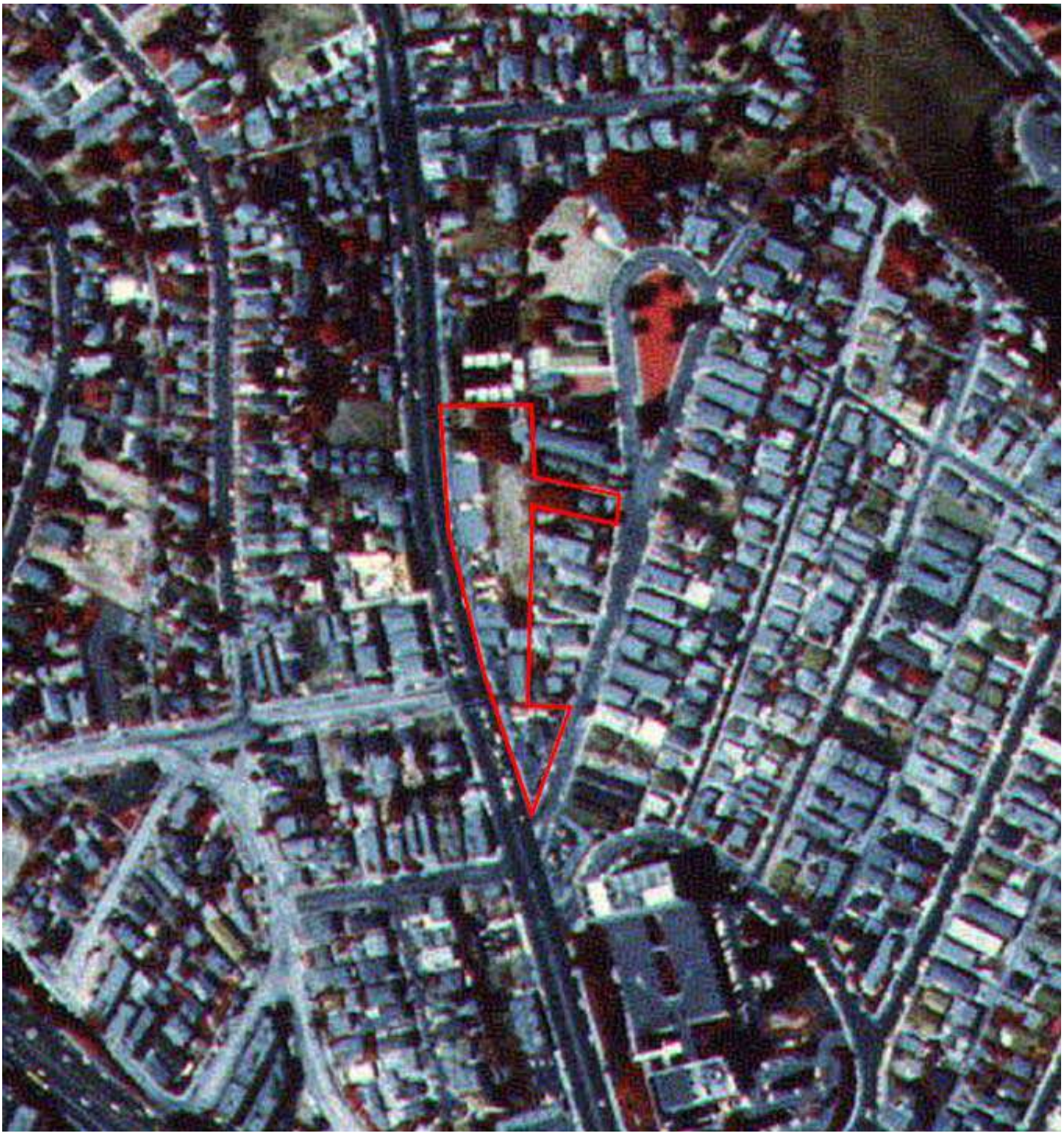
N

Approximate Property Boundary

Year: 1976

Project Number: 316456

AEI Consultants



AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

N

Approximate Property Boundary

Year: 1989

Project Number: 316456

AEI Consultants

AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

N

Approximate Property Boundary

Year: 1994

Project Number: 316456

AEI Consultants

AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

N

Approximate Property Boundary

Year: 2005

Project Number: 316456

AEI Consultants

AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

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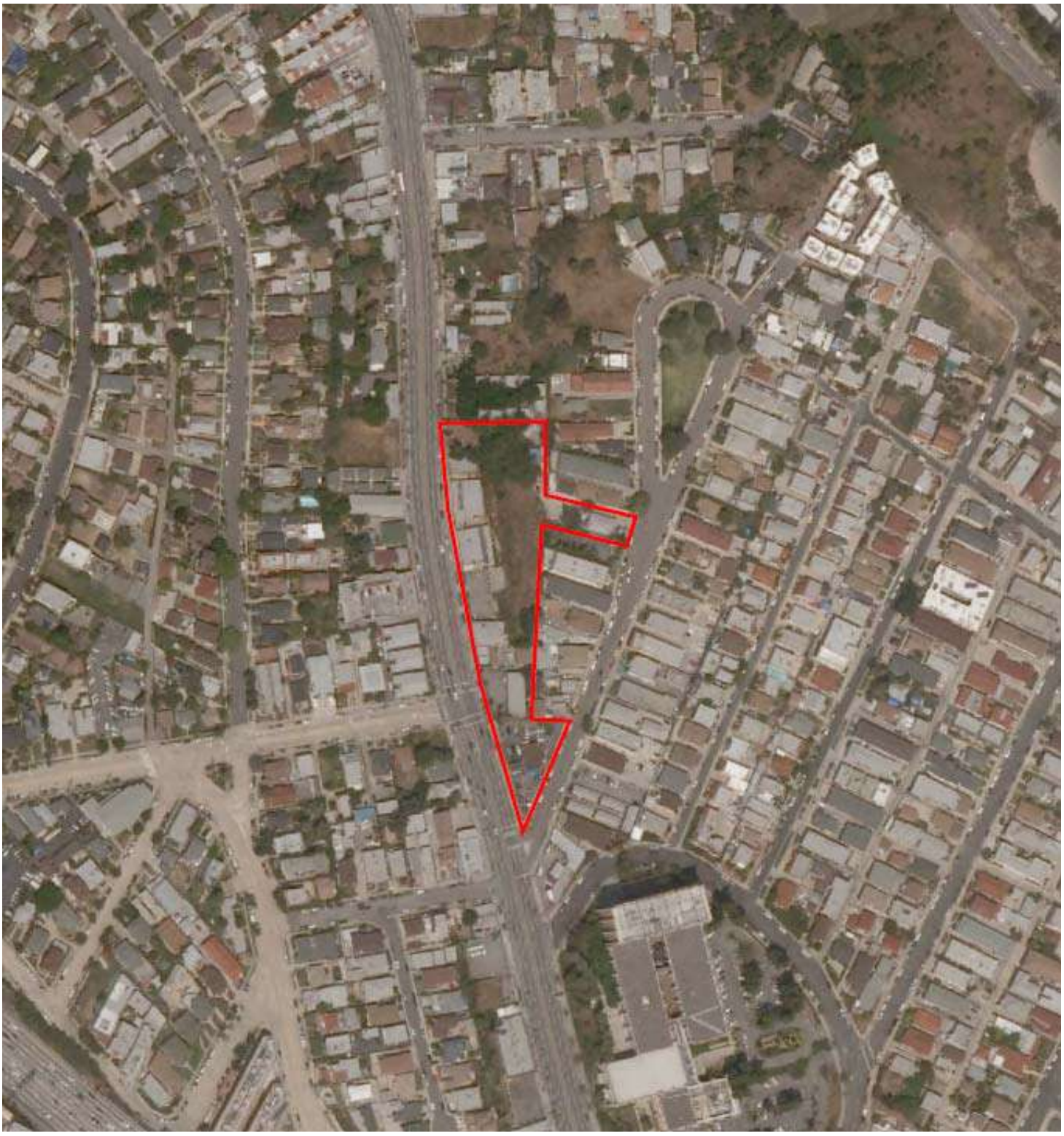
Approximate Property Boundary

Year: 2009

Project Number: 316456

AEI Consultants



AERIAL PHOTOGRAPH

1185-1245 West Sunset Boulevard, Los Angeles, California 90026

N

Approximate Property Boundary

Year: 2010

Project Number: 316456

AEI Consultants

316456
1185 West Sunset Boulevard
Los Angeles, CA 90026

Inquiry Number: 3511447.3
February 06, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

2/06/13

Site Name:
316456
1185 West Sunset Boulevard
Los Angeles, CA 90026

Client Name:
AEI Consultants
2500 Camino Diablo
Walnut Creek, CA 94597

EDR Inquiry # 3511447.3

Contact: Brooke

EDR® Environmental Data Resources Inc

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Site Name: 316456
Address: 1185 West Sunset Boulevard
City, State, Zip: Los Angeles, CA 90026
Cross Street:
P.O. # 31816
Project: 316456
Certification # A300-428D-93F7

Maps Provided:

1970	1954
1968	1953
1965	1950
1964	1906
1960	
1957	

Sanborn® Library search results
Certification # A300-428D-93F7

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1970 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1968 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1965 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1964 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1960 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1957 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1954 Source Sheets

Volume 3, Sheet 322

Volume 3, Sheet 324

Volume 3, Sheet 293

1953 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1950 Source Sheets

Volume 3, Sheet 322

Volume 3, Sheet 324

Volume 3, Sheet 293

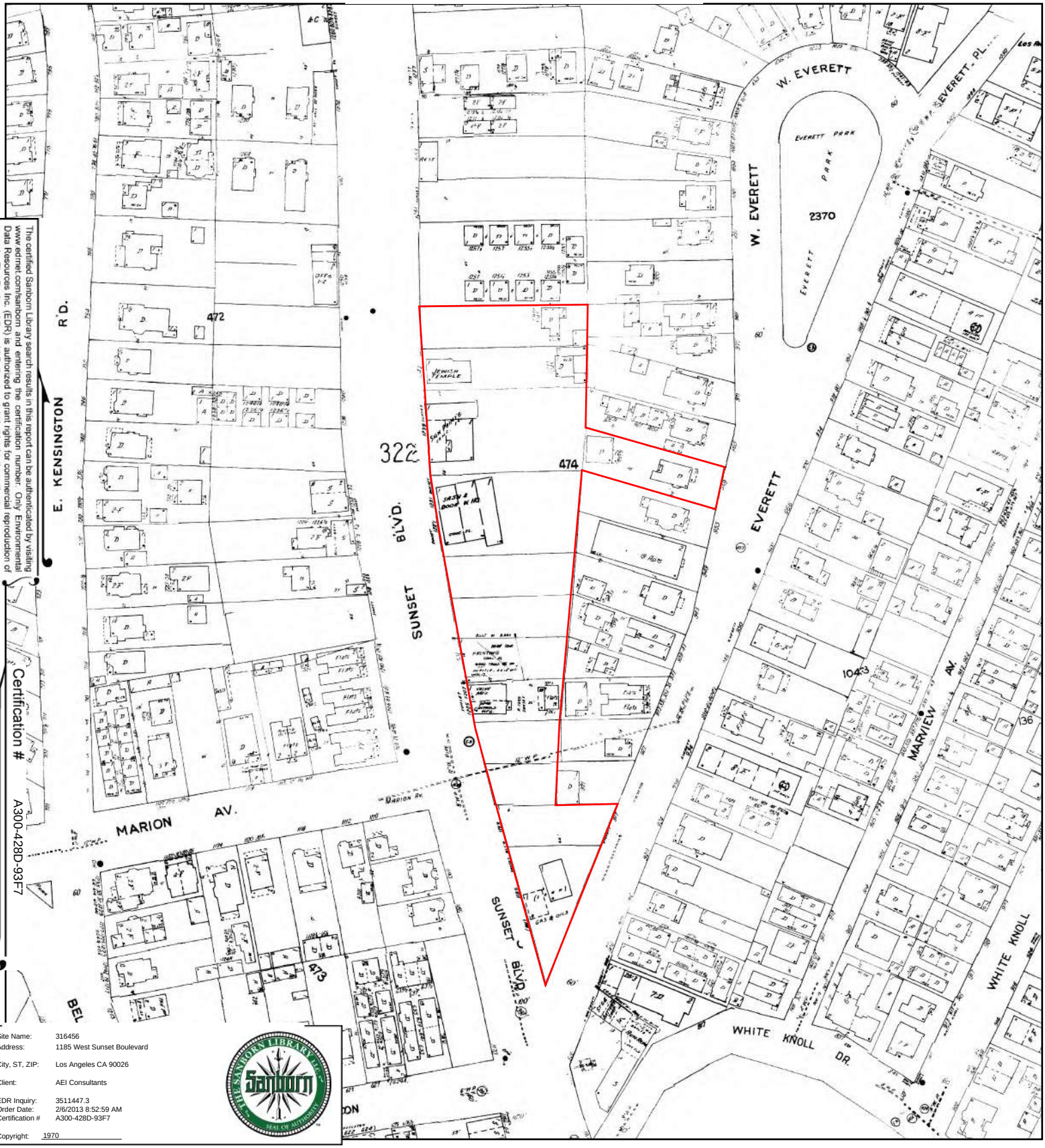
1906 Source Sheets

Volume 3, Sheet 293

Volume 3, Sheet 322

Volume 3, Sheet 324

1970 Certified Sanborn Map



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Certification # A300-428D-93F7

Site Name:	316456
Address:	1185 West Sunset Boulevard
City, ST, ZIP:	Los Angeles CA 90026
Client:	AEI Consultants
EDR Inquiry:	3511447.3
Order Date:	2/6/2013 8:52:59 AM
Certification #	A300-428D-93F7
Copyright:	1970

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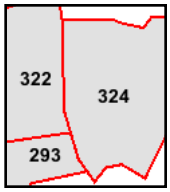

Volume 3, Sheet 293
Volume 3, Sheet 322
Volume 3, Sheet 324

0 Feet 150 300 600

N

1968 Certified Sanborn Map

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Site Name: 316456
Address: 1185 West Sunset Boulevard
City, ST, ZIP: Los Angeles CA 90026
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EDR Inquiry: 3511447.3
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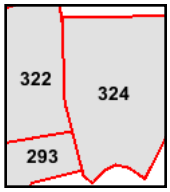

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N

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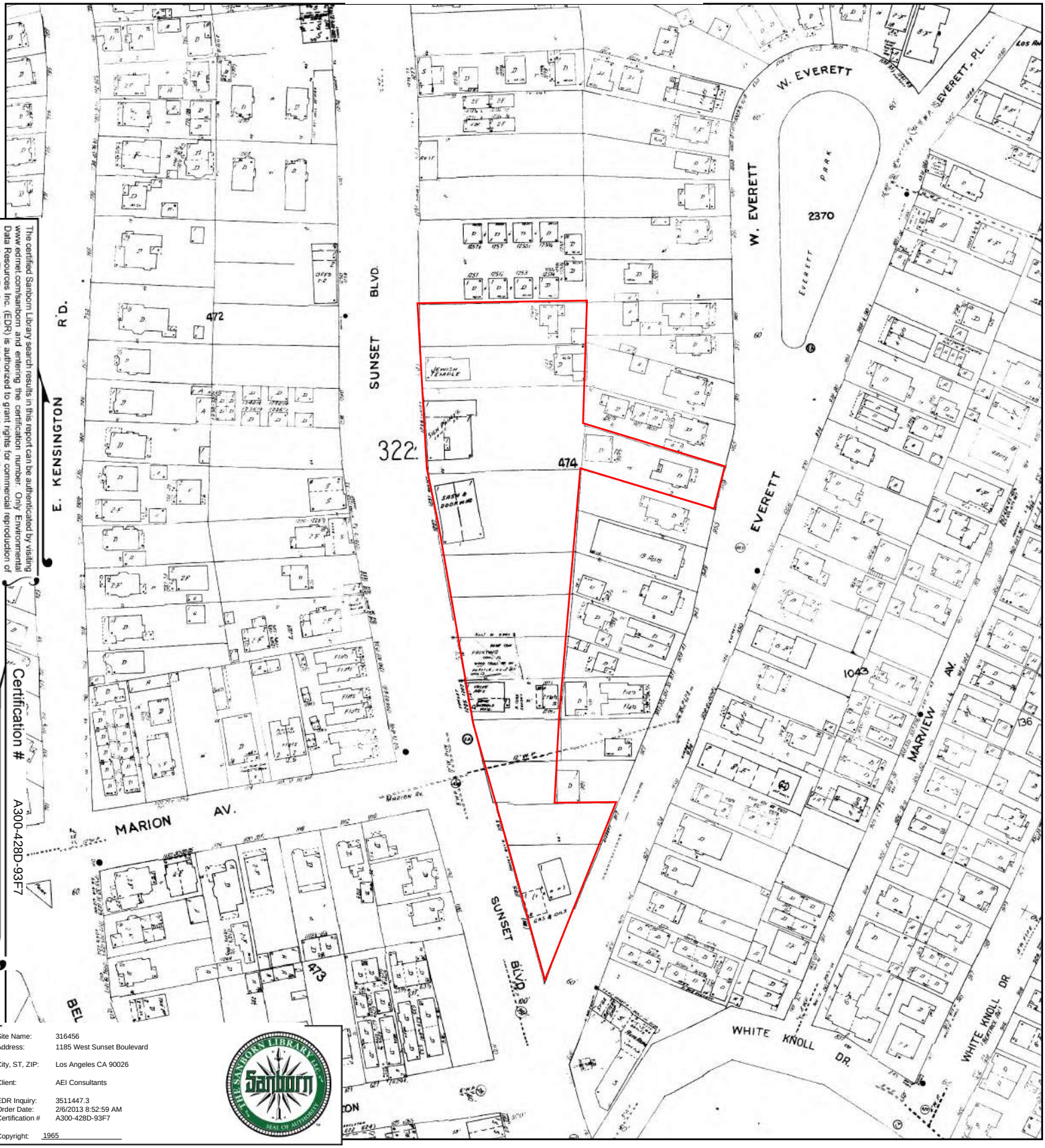

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Certification # A300-428D-93F7
Copyright: 1965

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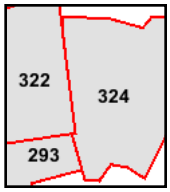

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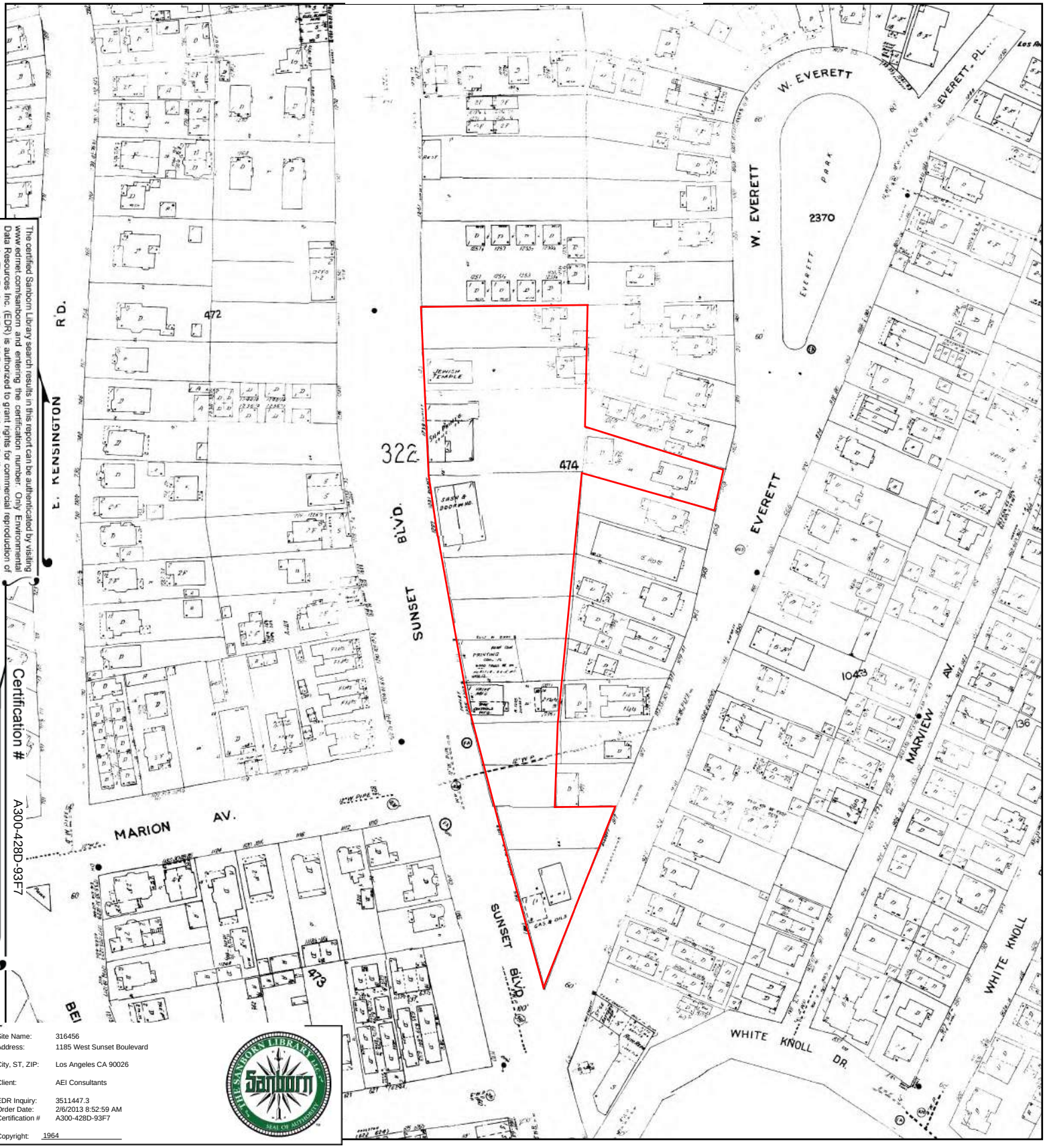
Volume 3, Sheet 324

N

1964 Certified Sanborn Map



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Address: 1185 West Sunset Boulevard
City, ST, ZIP: Los Angeles CA 90026
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EDR Inquiry: 3511447.3
Order Date: 2/6/2013 8:52:59 AM
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Copyright: 1964

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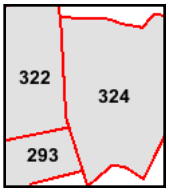

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Volume 3, Sheet 324

0 Feet 150 300 600

N

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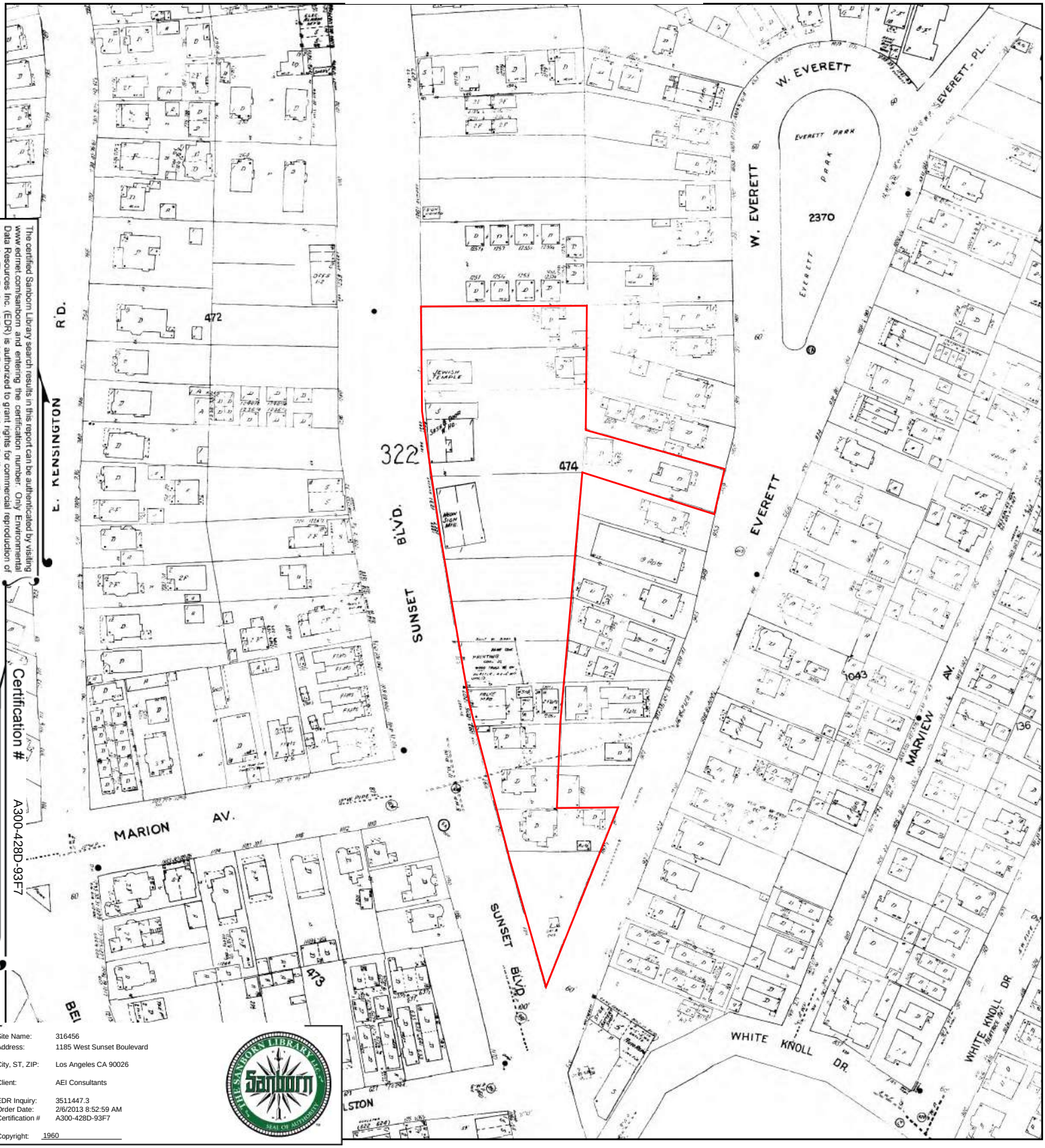

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Certification #	A300-428D-93F7
Copyright:	1960

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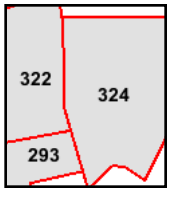

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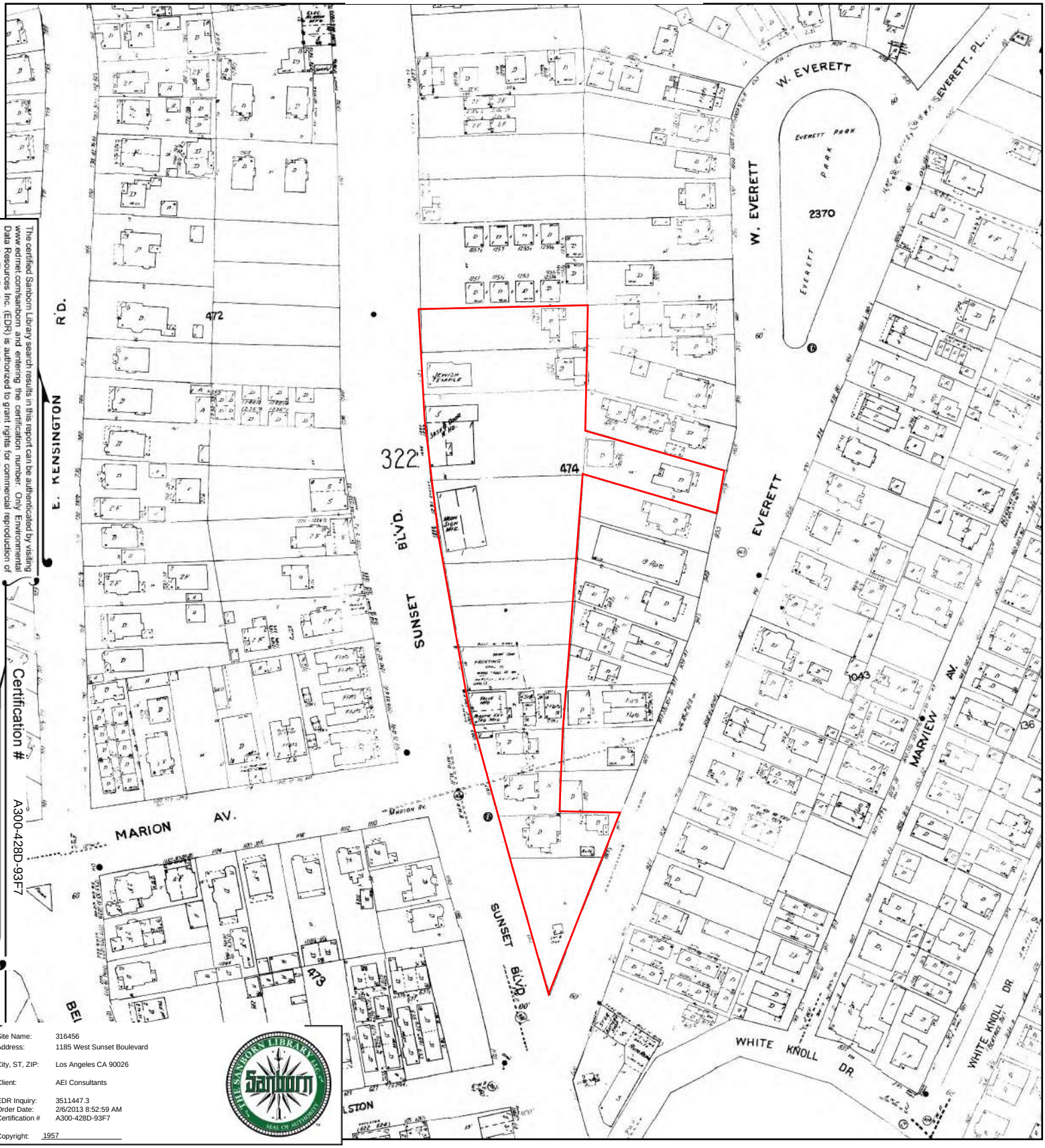
0 Feet 150 300 600

N

1957 Certified Sanborn Map



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Order Date:	2/6/2013 8:52:59 AM
Certification #	A300-428D-93F7
Copyright:	1957

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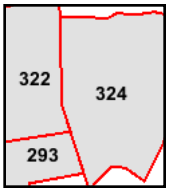

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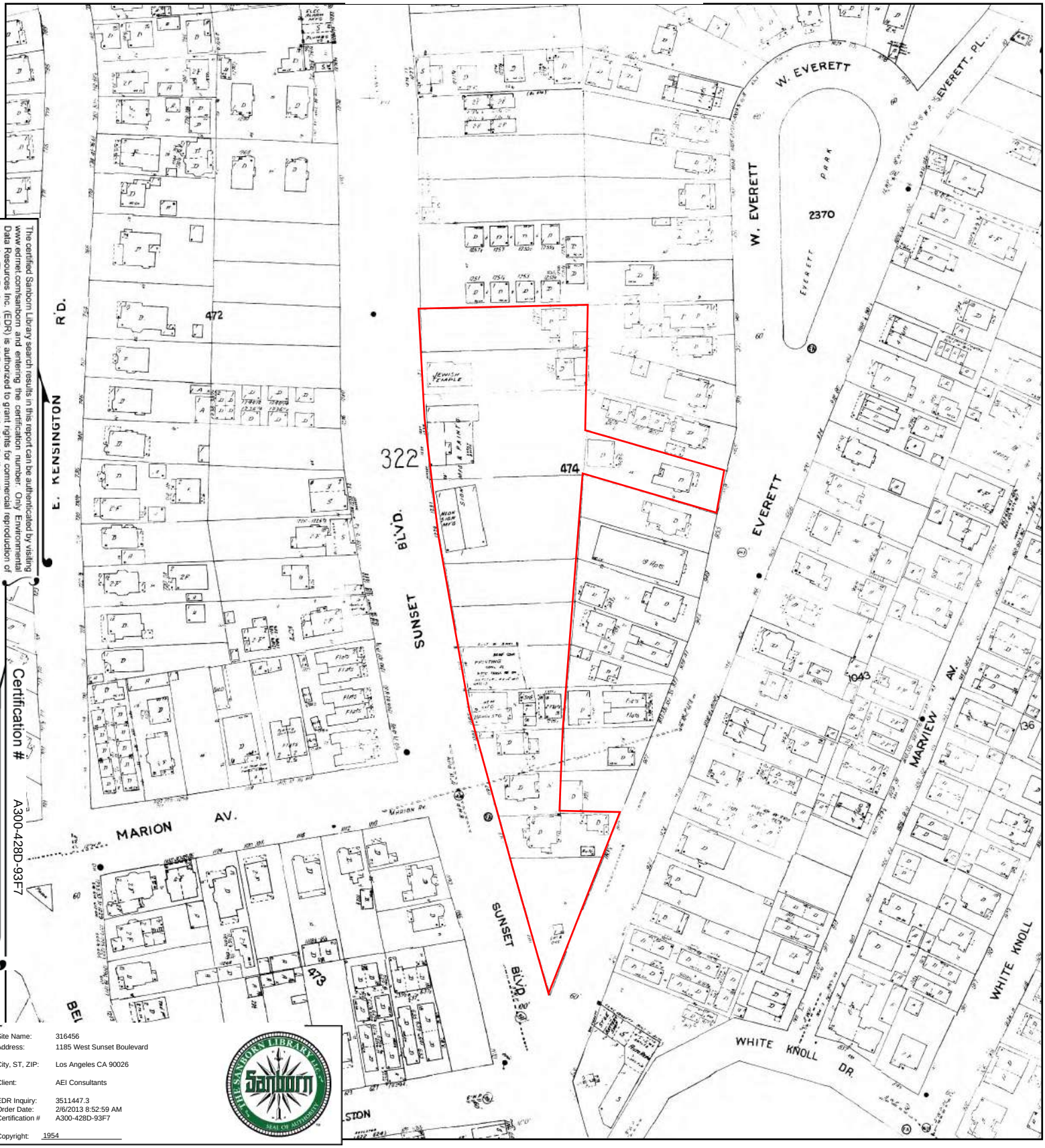
0 Feet 150 300 600

N

1954 Certified Sanborn Map



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Site Name: 316456
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City, ST, ZIP: Los Angeles CA 90026
Client: AEI Consultants
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Order Date: 2/6/2013 8:52:59 AM
Certification # A300-428D-93F7
Copyright: 1954

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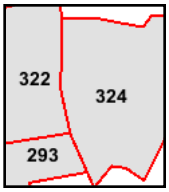

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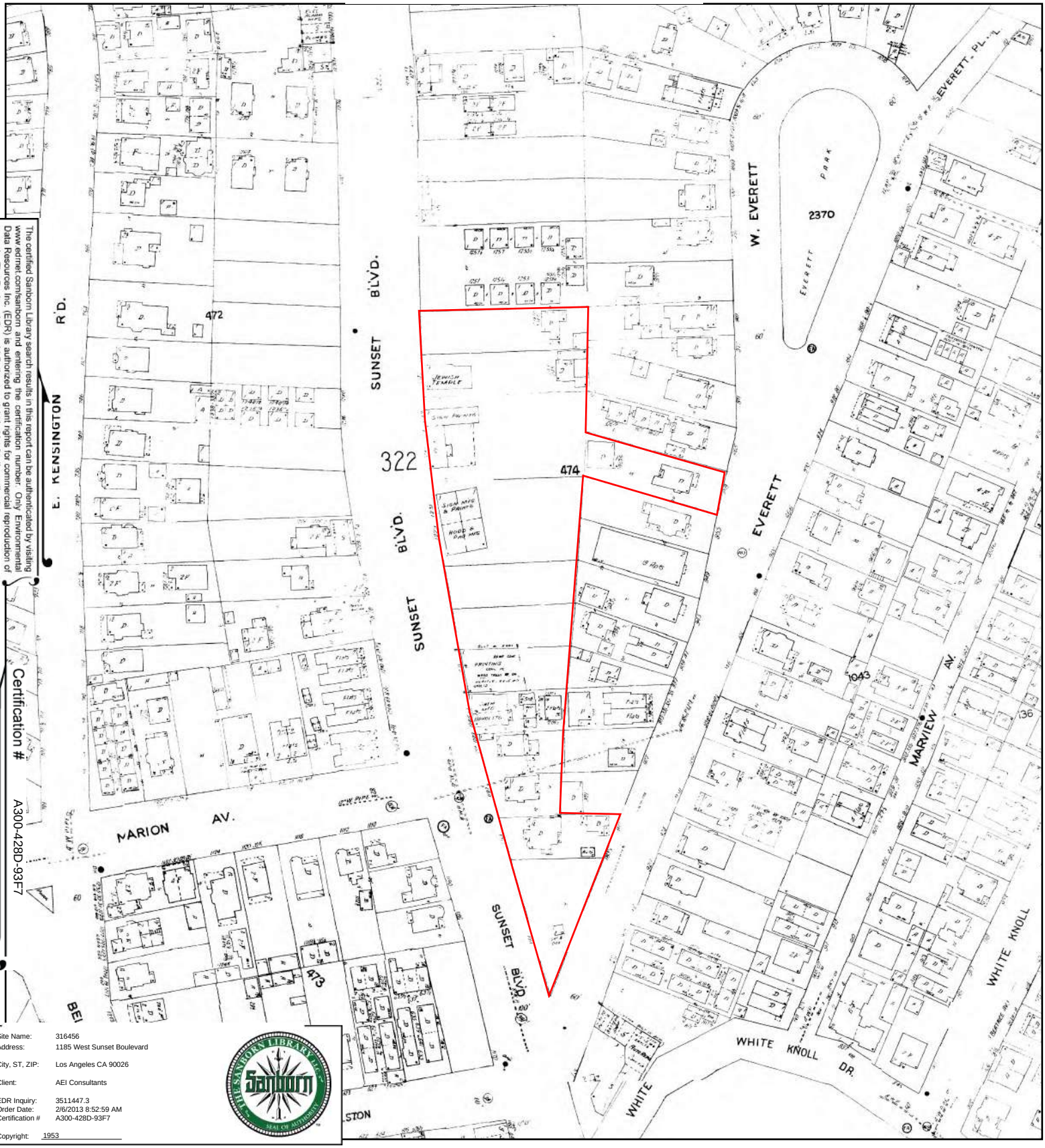
0 Feet 150 300 600

N

1953 Certified Sanborn Map



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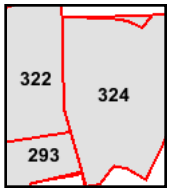

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Volume 3, Sheet 324
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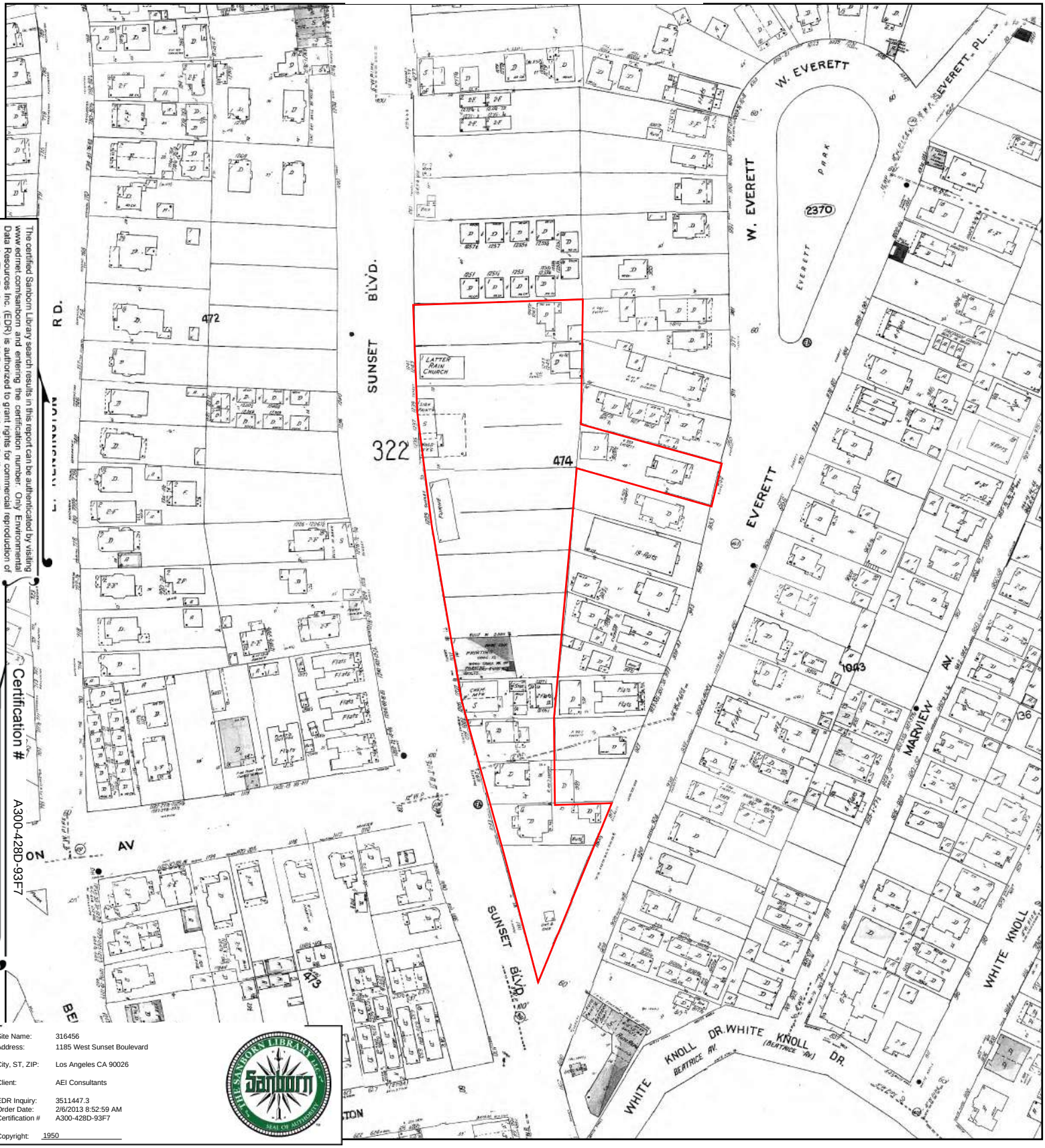
Volume 3, Sheet 324

N

1950 Certified Sanborn Map



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EDR Inquiry: 3511447.3
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Certification # A300-428D-93F7
Copyright: 1950

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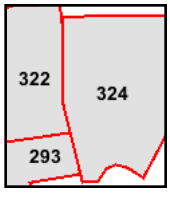

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Volume 3, Sheet 324
Volume 3, Sheet 293

0 Feet 150 300 600

N

1906 Certified Sanborn Map

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Order Date: 2/6/2013 8:52:59 AM
Certification # A300-428D-93F7
Copyright: 1906

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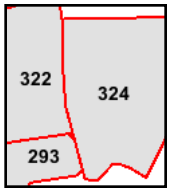

Volume 3, Sheet 293
Volume 3, Sheet 322
Volume 3, Sheet 324

0 Feet 150 300 600

N

316456
1185 West Sunset Boulevard
Los Angeles, CA 90026

Inquiry Number: 3511447.6
February 06, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 332 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2012	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2007	Cole Information Services	-	X	X	-
2006	Haines Company, Inc.	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines & Company	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1985	GTE	-	-	-	-
1981	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1980	Pacific Telephone	-	-	-	-
1976	Pacific Telephone	X	X	X	-
1975	Pacific Telephone Co	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1970	GTE	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	X	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	X	X	X	-
1961	Luskey Brothers & Co	-	-	-	-
1960	General Telephone Company Publishers	-	-	-	-
1958	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1957	Pacific Telephone	-	-	-	-
1955	Home Directory Service	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	X	X	-
	Pacific Telephone & Telegraph Co.	X	X	X	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1927	Kaasen Directory Company Publishers	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
	Los Angeles Directory Co.	X	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
1185 W Sunset Blvd	Client Entered	X
959 Everett St	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1185 West Sunset Boulevard
Los Angeles, CA 90026

FINDINGS DETAIL

Target Property research detail.

EVERETT

961 EVERETT

Year	Uses	Source
1986	TORRES TRANSITO	Pacific Bell
1981	JIMENEZ JUAN	Pacific Telephone
	TORRES TRANSITO	Pacific Telephone
1967	Flores Cecilia	Pacific Telephone

963 EVERETT

Year	Uses	Source
1971	Navarro Jose Luiz	Pacific Telephone

Everett St

959 Everett St

Year	Uses	Source
2000	XXXX	Haines & Company
1981	MARTINEZ ANITA	Pacific Telephone
1976	Martinez Anita	Pacific Telephone
1958	Davis Wm E	Pacific Telephone
1951	Everett Ensch J P Mrs r	Pacific Telephone & Telegraph Co.
1942	CHAPMAN Guadalupe Mrs wiater	Los Angeles Directory Co.
	CHAPMAN Rose waiter	Los Angeles Directory Co.
	DAVIS Wm E jr Jacqueline studiowkr	Los Angeles Directory Co.
	Ensch Mary wid J P	Los Angeles Directory Co.
1937	DAVIS Edw Jacqueline clk	Los Angeles Directory Co.
	DAVIS Wm E jr Jacqueline jwlry repr	Los Angeles Directory Co.
	Ensch Fred Jean clk	Los Angeles Directory Co.
	Ensch Mary wid J P	Los Angeles Directory Co.
1933	Ensch Alf M clk	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1933	Ensch Fred clk	Los Angeles Directory Co.
	Ensch Jacaueline M nurse	Los Angeles Directory Co.
	Ensch Jos P	Los Angeles Directory Co.
	Ensch Mary wid J P	Los Angeles Directory Co.
	MOREY Lyle H Theodora soft drinks	Los Angeles Directory Co.
1929	Ensch Fredk auto mech	Los Angeles Directory Co.
	Ensch Mary wid J P	Los Angeles Directory Co.
	Grah Heinz waiter	Los Angeles Directory Co.
	MOREY Theo M supvr SCT Co	Los Angeles Directory Co.
1924	Ench Peter baker h	Los Angeles Directory Co.
	Ensch John P baker h	Los Angeles Directory Co.

EVERETT ST

961 EVERETT ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company

963 EVERETT ST

Year	Uses	Source
2000	XXXX	Haines & Company

SUNSET BLVD

1201 SUNSET BLVD

Year	Uses	Source
1942	Sumner Louis P Elsie lab	Los Angeles Directory Co.
1937	Heath Lillian V Mrs	Los Angeles Directory Co.
	Munn Lucille clk	Los Angeles Directory Co.
1933	Heath Harold H auto mech	Los Angeles Directory Co.
	HEATH Lillian V Mrs clk	Los Angeles Directory Co.
	KURTZ Glenn C oil sta	Los Angeles Directory Co.
1929	HEATH Lillian Mrs clk	Los Angeles Directory Co.
	SOLOMON Saml Rose florist	Los Angeles Directory Co.
1924	Fear Harry carp r	Los Angeles Directory Co.
	h	Los Angeles Directory Co.
	KEANE Al nuts	Los Angeles Directory Co.

FINDINGS

1203 SUNSET BLVD

Year	Uses	Source
1924	Griffith Cath P Mrs r	Los Angeles Directory Co.
	HEATH Lillian V h	Los Angeles Directory Co.
	Millerta John Photoplayer r	Los Angeles Directory Co.

1205 SUNSET BLVD

Year	Uses	Source
1942	GRANT Eliz P clk	Los Angeles Directory Co.
	GRANT Fred H Lucy driver	Los Angeles Directory Co.
	Lasken Saml Rose gro	Los Angeles Directory Co.
	Sieb Hilda wid Herman	Los Angeles Directory Co.
1937	GRANT Ulysses S Lottie lab	Los Angeles Directory Co.
	Omachi E O gro	Los Angeles Directory Co.
1933	GRANT Ulysses S Lottie M clk	Los Angeles Directory Co.
	Omachi Eijiro Yasu gro	Los Angeles Directory Co.
1929	Aizawa Frank Aki gro	Los Angeles Directory Co.
	GRANT Ulysses S Lottie clk	Los Angeles Directory Co.
1924	Biehler Chas meats	Los Angeles Directory Co.
	Dequine Gladys M clk r	Los Angeles Directory Co.
	Kraus C R Mrs gro	Los Angeles Directory Co.

1207 SUNSET BLVD

Year	Uses	Source
1942	Adams Hugh J Mildred jan supp	Los Angeles Directory Co.
1937	SANDERS Chemical Mfg Co H J and J B Adams janitors supp	Los Angeles Directory Co.
	Seib Hilda Mrs maid	Los Angeles Directory Co.
1933	SANDERS C Edgar disinfectant mfr	Los Angeles Directory Co.
	SMITH Ernest D Della insect exterminator	Los Angeles Directory Co.
1929	GROVER Julian F Jean disinfectants	Los Angeles Directory Co.
	Poindexter Geo E Viola slsmn h	Los Angeles Directory Co.
1924	BARNETT Chas D resl est	Los Angeles Directory Co.
	Grover Julian P disinfectants	Los Angeles Directory Co.

1211 SUNSET BLVD

Year	Uses	Source
1958	Bodoni Ltd prntng	Pacific Telephone
1942	Rollaway Screen Co J E Neighbor mgr shade mfrs	Los Angeles Directory Co.

Year	Uses	Source
1937	CALIFORNIA Fruit Products Ltd J P Ralls genl mgr	Los Angeles Directory Co.
1929	De Vin Jos Z Sarah auto reur	Los Angeles Directory Co.
	PIERCE Harry F battery repr	Los Angeles Directory Co.

SUNSET BLVD W

1205 SUNSET BLVD W

Year	Uses	Source
2000	a 1/2 LEE Sohing Yan	Haines & Company
	WINTER Stave	Haines & Company

1207 SUNSET BLVD W

Year	Uses	Source
2000	a 1/2 THAI Phat Chi	Haines & Company
1951	Sunset Sanders Chemical Mfg Co disinfectants	Pacific Telephone & Telegraph Co.
	Sunset Saunders Chemical Mfg Co disnfctnts	Pacific Telephone & Telegraph Co.
	W Sunset Williams Martha Edythe r	Pacific Telephone & Telegraph Co.

1211 SUNSET BLVD W

Year	Uses	Source
2000	XXXX	Haines & Company
1951	Sunset Bodoni Ltd prntng	Pacific Telephone & Telegraph Co.
	W Sunst Bl War Mutilated Children of Italy Benefit Festival	Pacific Telephone & Telegraph Co.

W SUNSET BLVD

1185 W SUNSET BLVD

Year	Uses	Source
2012	O & J AUTO REPAIRS & SALES	Cole Information Services

W Sunset Blvd

1185 W Sunset Blvd

Year	Uses	Source
2006	BESTWAYHAND	Haines Company, Inc.
	OAND J AUTO	Haines Company, Inc.
	REPAIR AND SALES	Haines Company, Inc.
2000	BEST WAY HAND CAR	Haines & Company
	SEMPE AUTO REPAIR	Haines & Company

Year	Uses	Source
1976	HERNANDEZ ARCO SERVICE	Pacific Telephone
1971	HERNANDEZ ARCO SERV	Pacific Telephone
1967	HERNANDEZ RICHFIELD SERVICE	Pacific Telephone
1962	J & R Richfield Serv A Center	Pacific Telephone
	Rodeo & La Cienega	Pacific Telephone
	Sunset & Everett	Pacific Telephone

W SUNSET BLVD

1193 W SUNSET BLVD

Year	Uses	Source
1958	Gamez Cruz	Pacific Telephone

1197 W SUNSET BLVD

Year	Uses	Source
1958	Ogaz Jesus	Pacific Telephone

1201 W SUNSET BLVD

Year	Uses	Source
1958	Padilla A S	Pacific Telephone
1939	LYON KATHERINE MRS	Los Angeles Directory Co.
	SNODGRASS HARVEY B TENNIS INSTR	Los Angeles Directory Co.

1205 W SUNSET BLVD

Year	Uses	Source
1990	Y & J SEWING CONTRACTOR CO	Pacific Bell
1986	Y & J SEWING CONTRACTOR CO	Pacific Bell
1981	Y & J SEWING CONTRACTOR CO	Pacific Telephone
1976	Kuan Wai Tin	Pacific Telephone
	Y & J Sewing Contractor Co	Pacific Telephone
1971	Winston Trannie	Pacific Telephone
1967	Time O Matic Inc	Pacific Telephone
1962	Clisby Jas H	Pacific Telephone
	Time O Matic Inc	Pacific Telephone
1958	CALAE CO custm engrvng	Pacific Telephone
	Grant Lottie Mrs	Pacific Telephone
1956	CALAE CO CUSTM ENGRVNG	Pacific Telephone

FINDINGS

1205 1/2 W SUNSET BLVD

Year	Uses	Source
1990	LEE PONG SING	Pacific Bell
1986	LEE PONG SING	Pacific Bell
1981	LEE PONG SING	Pacific Telephone

1207 W SUNSET BLVD

Year	Uses	Source
1976	Sen Lew Gap	Pacific Telephone
1971	Clisby Jas H	Pacific Telephone
1967	Clisby Jas H	Pacific Telephone
	Superior Controls Co Inc	Pacific Telephone
	Superior Regulator Co	Pacific Telephone
	THE OLD MANS CO whale sprnklrs	Pacific Telephone
1962	Superior Controls Co Inc	Pacific Telephone
	THE OLD MANS CO whsle sprnklrs	Pacific Telephone
1958	Superior Controls Co Inc	Pacific Telephone
	T O M Co whsle sprnklrs	Pacific Telephone
	The Old Mans Co T O M Co whsle sprnklrs	Pacific Telephone

1207 1/2 W SUNSET BLVD

Year	Uses	Source
1990	LIU JIARONG	Pacific Bell
1986	YU KAI	Pacific Bell
1981	YU KAI	Pacific Telephone

1211 W SUNSET BLVD

Year	Uses	Source
1971	Atlas Paper Co	Pacific Telephone
	Atlas Rubber Co	Pacific Telephone
	BODONI LTD prntng	Pacific Telephone
	Hollywood Printing Co	Pacific Telephone
	Printers Of Hollywood	Pacific Telephone
1967	BODONI LTD printng	Pacific Telephone
1962	Bodoni Ltd prstng	Pacific Telephone
1958	Mutilatini Foundation	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BOYLSTON N

615 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

616 BOYLSTON N

Year	Uses	Source
2000	NG Hok Kan	Haines & Company
	LI Yen Mei	Haines & Company
	CHOW Way	Haines & Company

617 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

619 BOYLSTON N

Year	Uses	Source
2000	LOV Meng Tier	Haines & Company

622 BOYLSTON N

Year	Uses	Source
2000	CHEN Hang	Haines & Company
	CHEN Xiang	Haines & Company

627 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

629 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

633 BOYLSTON N

Year	Uses	Source
2000	TAING Annie	Haines & Company

FINDINGS

635 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

639 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

641 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

647 BOYLSTON N

Year	Uses	Source
2000	XXXX	Haines & Company

BOYLSTON ST N

615 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Jones Pauline Grafton	Pacific Telephone & Telegraph Co.
	N Boylstn Jones Ralph Lee	Pacific Telephone & Telegraph Co.

617 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Weiser Florence E r	Pacific Telephone & Telegraph Co.

619 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Tanke Joan r	Pacific Telephone & Telegraph Co.

626 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Zimmerman Wm r	Pacific Telephone & Telegraph Co.

627 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Holland Glover A r	Pacific Telephone & Telegraph Co.

629 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Strauser Roy B r	Pacific Telephone & Telegraph Co.

Year	Uses	Source
1951	N Boylstn Richardson Maude C r	Pacific Telephone & Telegraph Co.

635 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Stephens Robt B r	Pacific Telephone & Telegraph Co.
	N Boylstn Medley Leonie R r	Pacific Telephone & Telegraph Co.

637 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Rosen Sadie r	Pacific Telephone & Telegraph Co.
	N Boylstn Peirce Thos S r	Pacific Telephone & Telegraph Co.

641 BOYLSTON ST N

Year	Uses	Source
1951	N Boylstn Gallardo Marta M r	Pacific Telephone & Telegraph Co.

EVERETT

900 EVERETT

Year	Uses	Source
1990	J & A MUFFLER	Pacific Bell
1986	J & A MUFFLER	Pacific Bell
1942	TAYLOR Harry L Tirzah auto tnmr	Los Angeles Directory Co.
1937	Majach Mary wid J M	Los Angeles Directory Co.

902 EVERETT

Year	Uses	Source
1924	CHASE Jas W Schmitt & Chase h	Los Angeles Directory Co.

905 EVERETT

Year	Uses	Source
1924	r	Los Angeles Directory Co.

906 EVERETT

Year	Uses	Source
1971	Wong Tung J	Pacific Telephone

908 EVERETT

Year	Uses	Source
1990	THI LE NAM	Pacific Bell
1986	THI LE NAM	Pacific Bell

FINDINGS

Year	Uses	Source
1981	THI LE NAM	Pacific Telephone
	TRAN LOI DO	Pacific Telephone
1971	Anaya Jesus	Pacific Telephone
	Hernandez Pascula	Pacific Telephone
1967	Kinney Carl E	Pacific Telephone
1962	Kinney Carl E	Pacific Telephone
1942	CALVERT Mary C smstrs	Los Angeles Directory Co.
	COLE Lucy G wid M S	Los Angeles Directory Co.
	Douglas Cath M wid T K	Los Angeles Directory Co.
	Douglas Horace L Dora driver	Los Angeles Directory Co.
	Douglas Leah clk	Los Angeles Directory Co.
	Geeslin Herman Ida mech	Los Angeles Directory Co.
	Geeslin Ida E tel opr PO	Los Angeles Directory Co.
	MURRAY John E Mayme mech	Los Angeles Directory Co.
	Turner Carrie R wid E L	Los Angeles Directory Co.
	VAUGHAN Lillie M wid J T	Los Angeles Directory Co.
	VAUGHAN Wm driver	Los Angeles Directory Co.
1937	NELSON Louise Mrs	Los Angeles Directory Co.
	SHERMAN Wm N Edith restr	Los Angeles Directory Co.
1933	ALLEN John A Lucy	Los Angeles Directory Co.
	Gallegos Jos F Nellie cook	Los Angeles Directory Co.
1929	DUDLEY Russell H Marie	Los Angeles Directory Co.
	LAWLER Pearl Mrs	Los Angeles Directory Co.
	Marquis Margt E asst supvr City Bd of Educ	Los Angeles Directory Co.
	Prudden Mildred G tchr City Sch h	Los Angeles Directory Co.

908 3/4 EVERETT

Year	Uses	Source
1990	DONG VAN MINH	Pacific Bell
1986	DONG VAN MINH	Pacific Bell

910 EVERETT

Year	Uses	Source
1986	THAM NAM VAN	Pacific Bell
1981	K	Pacific Telephone
1971	Alcaraz Armando	Pacific Telephone
	Becerra Jesus	Pacific Telephone
	Roman Carlota	Pacific Telephone

FINDINGS

Year	Uses	Source
1962	Calvert J V Mrs	Pacific Telephone
	Morles Stella	Pacific Telephone
	Vargas Rosa	Pacific Telephone
1942	COLLINS Edith L wid S A	Los Angeles Directory Co.
	COLLINS Jas P Helen mach	Los Angeles Directory Co.
	COLLINS Mae sten	Los Angeles Directory Co.
	Maloney Ethel M wid J A	Los Angeles Directory Co.
	Mc Geachy Alvin A Estella mech SPCo	Los Angeles Directory Co.
	Mc Geachy Howard lab	Los Angeles Directory Co.
	Mc Geachy Lucy clk	Los Angeles Directory Co.
	Tolin Ruth M clk	Los Angeles Directory Co.
	Tolins John E Mary mech	Los Angeles Directory Co.
1937	HANSON John H Sylvia slsmn Broadway Dept Store	Los Angeles Directory Co.
	ROBINSON Edwin N gdnr Park Dept	Los Angeles Directory Co.
1933	CRANDALL Ellis bellmn	Los Angeles Directory Co.
1929	CROWLEY MICHL J Agnes Dist Mgr L A Evening Express	Los Angeles Directory Co.
	HAYES A Bert Eliz chef	Los Angeles Directory Co.
	PASCOE Steph stonemldr	Los Angeles Directory Co.
	Sencil Dora M Mrs garmt ftr h	Los Angeles Directory Co.
	Sencil Lucille clk r	Los Angeles Directory Co.

910 1/2 EVERETT

Year	Uses	Source
1990	YEE NGAN YAU	Pacific Bell
1986	YEE SHENG LAL	Pacific Bell
1981	YEE SHENG LAI	Pacific Telephone

910 1/4 EVERETT

Year	Uses	Source
1986	LEE CHOOK C	Pacific Bell
1981	LEE CHOOK C	Pacific Telephone

912 EVERETT

Year	Uses	Source
1990	CHUNG KING TONG	Pacific Bell
1986	CHU LIP Y	Pacific Bell
1981	CHU LIP Y	Pacific Telephone
1971	Morales Joe	Pacific Telephone

FINDINGS

Year	Uses	Source
1962	Roman Carlota	Pacific Telephone
1942	JENKINS Edw W Louise barber	Los Angeles Directory Co.
	CALVERT Marie wid T M	Los Angeles Directory Co.
	Clubb Earl meat ctr	Los Angeles Directory Co.
	CROWLEY Batty M clk	Los Angeles Directory Co.
	CROWLEY Michl J Agnes slsmn	Los Angeles Directory Co.
1937	CROWLEY Michl J Agnes	Los Angeles Directory Co.
	Jenking Earl J slsmn	Los Angeles Directory Co.
1933	YOUNG Mina cash Union Mut Life Ins Co	Los Angeles Directory Co.
1929	YOUNG Mina M cashr Union Mutual Life Ins Co r	Los Angeles Directory Co.
	YOUNG Wm slsmn h	Los Angeles Directory Co.
	SOMERVILLE Nan slsldy r	Los Angeles Directory Co.
	BERNARD Cliff C Jeanne tkt slsmn Owl Drug Co	Los Angeles Directory Co.

912 1/2 EVERETT

Year	Uses	Source
1986	VU DAT MANH	Pacific Bell

916 EVERETT

Year	Uses	Source
1942	GRAY Mary A Mrs waiter	Los Angeles Directory Co.
	CALVERT Martin L Louise bkpr	Los Angeles Directory Co.
	CROWLEY Patk	Los Angeles Directory Co.
1937	CROWLEY Patk lab	Los Angeles Directory Co.
1933	CROWLEY Patk Eliz car insr	Los Angeles Directory Co.
1929	CROWLEY Patk Eliz car inspr	Los Angeles Directory Co.
1924	CROWLEY Mary A tchr r	Los Angeles Directory Co.
	CROWLEY Patk car insp U P System h	Los Angeles Directory Co.

917 EVERETT

Year	Uses	Source
1942	KLEIN Harry C Edna cook	Los Angeles Directory Co.
1937	Garcia Michl Mary baker	Los Angeles Directory Co.
1933	CHAPMAN Wm F Marcelle oiler	Los Angeles Directory Co.
1929	Azevedo Jesse Maria restr wkr	Los Angeles Directory Co.
1924	Archambault Louis J h	Los Angeles Directory Co.

FINDINGS

919 EVERETT

Year	Uses	Source
1929	SWEENEY Florence elev opr h	Los Angeles Directory Co.

920 EVERETT

Year	Uses	Source
1962	Acosta Stephanie N	Pacific Telephone
1942	Moran Cath E wid D E	Los Angeles Directory Co.
	COCHRAN Luther E driver	Los Angeles Directory Co.
	COCHRAN Frank K Marion slsmn	Los Angeles Directory Co.
1937	Bebo Anthony lab	Los Angeles Directory Co.
1933	GARDNER Etta L sten LAPD	Los Angeles Directory Co.
	CALDWELL Emma wid Wm	Los Angeles Directory Co.
1929	Schienle Tillie wid John r	Los Angeles Directory Co.
	Caldwell Emma wid Wm	Los Angeles Directory Co.
1924	Schienle Matilda wid John r	Los Angeles Directory Co.
	Kleinkauf Saml r	Los Angeles Directory Co.
	Kleinkauf Mary wid Adam h	Los Angeles Directory Co.
	Carmichael Joyce steno r	Los Angeles Directory Co.
	CALDWELL Emma wid Wm r	Los Angeles Directory Co.

921 EVERETT

Year	Uses	Source
1986	YAN CHOI L	Pacific Bell
1981	YAN CHIU	Pacific Telephone
1967	Edel Gay	Pacific Telephone
1962	Pinnock Helen	Pacific Telephone
1942	Marvin Leo A lab	Los Angeles Directory Co.
1929	Mc Clintock Becka wid David	Los Angeles Directory Co.
	Mc Clintock Henry B pntr	Los Angeles Directory Co.
1924	Mc Clintock Henry B painter h	Los Angeles Directory Co.
	Mc Clintock Rebecca wid David h	Los Angeles Directory Co.

923 EVERETT

Year	Uses	Source
1990	YAN MAN H	Pacific Bell
1971	Li Antonio	Pacific Telephone
	Pinnock Helen	Pacific Telephone
1967	Pinnock Helen	Pacific Telephone
1962	Brandt Geo E	Pacific Telephone

FINDINGS

923 1/2 EVERETT

Year	Uses	Source
1986	CHUNG NU TO	Pacific Bell
1981	CHEN MON N	Pacific Telephone

924 EVERETT

Year	Uses	Source
1971	Janes Saml M	Pacific Telephone
1967	Janes Saml M	Pacific Telephone
1962	Connelly Rena M	Pacific Telephone
1942	Connelly Dorothy sten	Los Angeles Directory Co.
	Connelly Wm Rena M cattlemn	Los Angeles Directory Co.
1937	CONNELLY Wm Rena cattie buyer	Los Angeles Directory Co.
1933	CONLEY Wm	Los Angeles Directory Co.
1929	CONNELLY Wm M	Los Angeles Directory Co.
1924	CONNELLY Wm cattle buyer h	Los Angeles Directory Co.

927 EVERETT

Year	Uses	Source
1986	HONG GUEK	Pacific Bell
1981	JUNG EDW	Pacific Telephone
1971	Jung Edw	Pacific Telephone
1962	Nunez Lucila	Pacific Telephone
1942	Crigler Robt A trader Akin Lambert Co	Los Angeles Directory Co.
	Malvick Cecil Frances lab	Los Angeles Directory Co.
	PRICE Vernon lab	Los Angeles Directory Co.
1933	MALONE Jesse R Margt A bkpr	Los Angeles Directory Co.
	MALONE Margt A	Los Angeles Directory Co.
1929	Malicezk Alex Frances barber	Los Angeles Directory Co.
	Maliczek Alex Fannie barber	Los Angeles Directory Co.
1924	h	Los Angeles Directory Co.

930 EVERETT

Year	Uses	Source
1990	LEE YIU KENG	Pacific Bell
	BUN HENG	Pacific Bell
1986	QUAN SHU H	Pacific Bell
	NGAN KING SHAN	Pacific Bell
	LEUNG YAN MAN	Pacific Bell
	LEE YIU KENG	Pacific Bell

FINDINGS

Year	Uses	Source
1981	LEE YIU KENG	Pacific Telephone
	LEE TSIAG & SHIU	Pacific Telephone
	LEE ALAN	Pacific Telephone
	KWAN CHING YUET	Pacific Telephone
	CHU SU MAN	Pacific Telephone
	LUNG SUSAN L	Pacific Telephone
1942	GOLDMAN Henry Malvina lab	Los Angeles Directory Co.
	GOLDMAN Herman mech	Los Angeles Directory Co.
1937	Weiner Abr tailor	Los Angeles Directory Co.
	WHITE Jack Elsie tailor	Los Angeles Directory Co.
1933	WHITE Himan slsmn	Los Angeles Directory Co.
	WHITE Jacob Rose tailor	Los Angeles Directory Co.
1929	Steingert Morris florist r	Los Angeles Directory Co.
	WHITE Jacob Y Rose tailor	Los Angeles Directory Co.
	h	Los Angeles Directory Co.
1924	h	Los Angeles Directory Co.

931 EVERETT

Year	Uses	Source
1990	CHAVEZ W B	Pacific Bell
1986	CHAVEZ W B	Pacific Bell
1981	CHAVEZ W B	Pacific Telephone
1971	Chavez W B	Pacific Telephone
1967	Chavez W B	Pacific Telephone
1942	Dorchester Harry Hattie mach	Los Angeles Directory Co.
1937	KENT Lloyd R Helen pntr	Los Angeles Directory Co.
	Manley Natalie Mrs waiter	Los Angeles Directory Co.
1933	Kotsch Aug Georgia printer	Los Angeles Directory Co.
	Kotsch Hildreth L tchr	Los Angeles Directory Co.
1929	Kotsch Aug Georgia printer	Los Angeles Directory Co.
	Kotsch Hildreth L tchr	Los Angeles Directory Co.
1924	Kotsch Aug printer h	Los Angeles Directory Co.
	Kotsch Hildreth tchr r	Los Angeles Directory Co.

932 EVERETT

Year	Uses	Source
1971	Yee Kay Wah	Pacific Telephone
	Rogers M B	Pacific Telephone

FINDINGS

932 1/2 EVERETT

Year	Uses	Source
1986	YEE CHUN KWAI	Pacific Bell
1981	YEE CHUN KWONG	Pacific Telephone

933 EVERETT

Year	Uses	Source
1990	OROSCO TERESA G	Pacific Bell
1986	OROSCO TERESA G	Pacific Bell
1981	OROSCO TERESA G	Pacific Telephone
1971	Orosco Teresa G	Pacific Telephone
	Darr Ona S	Pacific Telephone
1967	Orosco Teresa G	Pacific Telephone
1962	Orosco Teresa G	Pacific Telephone
1942	CORDOVA Fred A Cath mech	Los Angeles Directory Co.
	HOWELL Jas W lab	Los Angeles Directory Co.
	HOWELL Jessie E wid T M	Los Angeles Directory Co.
	Cooley Joyce D Mrs ofc sec Executives Assn of L A	Los Angeles Directory Co.
1937	CHAVEZ Wm B Estelle mgr Geo Surprenant	Los Angeles Directory Co.
	Grassini Emil Rosina tailor	Los Angeles Directory Co.
1933	Capetillo Jonnie Mrs dep Co Clerk	Los Angeles Directory Co.
	Bundy Josephine clk Co Assessor	Los Angeles Directory Co.
1929	PARKS C W slsmn	Los Angeles Directory Co.
	PARK Willard M Mrs	Los Angeles Directory Co.
	Capetillo Jennie Mrs depy Co Clk	Los Angeles Directory Co.
	BUNDY Josephine depy Co Assessor	Los Angeles Directory Co.
1924	Hye Leo slev opr r	Los Angeles Directory Co.
	Hye Thos F slsmn h	Los Angeles Directory Co.
	Vivian Edmund insp L A Gas & Elec Corp h	Los Angeles Directory Co.

933 1/2 EVERETT

Year	Uses	Source
1990	REYES MELISSA	Pacific Bell
1986	REYES MELISSA	Pacific Bell

934 EVERETT

Year	Uses	Source
1990	LIM JU HONG	Pacific Bell

FINDINGS

Year	Uses	Source
1990	LY HOC LAY	Pacific Bell
	MA JU ZHEN	Pacific Bell
	TAING SENG SUY	Pacific Bell
1986	CHIU TZE-SHEUNG	Pacific Bell
	DICH LICH MANH	Pacific Bell
	FONG SHUI BUN	Pacific Bell
	LIM JU HONG	Pacific Bell
	TAING SENG SUY	Pacific Bell
	THAI CAO	Pacific Bell
1981	CHIU TZE SHEUNG	Pacific Telephone
	DICH MANH LICH	Pacific Telephone
	FONG SHUI BUN	Pacific Telephone
	HOANG MAN LAY	Pacific Telephone
	LIM JU HONG	Pacific Telephone
	LUONG QUANG	Pacific Telephone
	THAI CAN	Pacific Telephone
1971	De La Torre Roberto	Pacific Telephone
	Padiangan Raymond	Pacific Telephone
	Quon Larry Yet	Pacific Telephone
	Woo Wing	Pacific Telephone
1967	Aguirre Ernesto	Pacific Telephone
	Bracero Abel	Pacific Telephone
	Dreher Henry F	Pacific Telephone
	Dreher Minnie	Pacific Telephone
	Quon Larry Yet	Pacific Telephone
1962	Rado Anna	Pacific Telephone
1942	Rado John tailor	Los Angeles Directory Co.
1937	Rado Henry J clk	Los Angeles Directory Co.
	Rado John Anna tailor Sidney Radom	Los Angeles Directory Co.
1933	Rado Albt Anna clo clnr	Los Angeles Directory Co.
	Rado Anna Mrs clo clnr	Los Angeles Directory Co.
	Rado Henry clk	Los Angeles Directory Co.
1929	Rado John Anna chiropractor h	Los Angeles Directory Co.
	Rado John tailor r	Los Angeles Directory Co.
1924	Rado John tailor h	Los Angeles Directory Co.
	Ruigg Gustav clk r	Los Angeles Directory Co.

FINDINGS

935 EVERETT

Year	Uses	Source
1971	Acosta Joe	Pacific Telephone
	Anaya Guadalupe	Pacific Telephone
1967	Gutierrez Guadalupe	Pacific Telephone
1942	HARRISON Carl L Mary	Los Angeles Directory Co.
	HARRISON Horace mach	Los Angeles Directory Co.
	SMITH Kath wid P R	Los Angeles Directory Co.
	Tinkler Ivy G bndrywkr	Los Angeles Directory Co.
	Tinkler Wm L Clara driver	Los Angeles Directory Co.
1937	ROGAN Frank Amie meat ctr	Los Angeles Directory Co.
	FREEMAN Claude R Helen slsmn R E Donovan	Los Angeles Directory Co.
1933	Berneke Frank	Los Angeles Directory Co.
	Demare Clarence L	Los Angeles Directory Co.
	SMITH Kath F wid W E	Los Angeles Directory Co.
1929	COOPER Carl Hazel stage mech	Los Angeles Directory Co.
1924	Hendrickson Carl slsmn r	Los Angeles Directory Co.
	SMITH Thos A undtkr h	Los Angeles Directory Co.

935 1/2 EVERETT

Year	Uses	Source
1990	KELLER D P	Pacific Bell
1986	KELLER D P	Pacific Bell
1981	DE LA ROSA ANA	Pacific Telephone

936 EVERETT

Year	Uses	Source
1942	LAWSON Marvin Sue lab	Los Angeles Directory Co.
1933	DEAN Eleanor wid Wm	Los Angeles Directory Co.
1929	Baillon Maria	Los Angeles Directory Co.
	Hasslin Aug T Lena chef	Los Angeles Directory Co.
1924	SULLIVAN John J Janitor r	Los Angeles Directory Co.
	Milksa Michl painter r	Los Angeles Directory Co.
	Rukstells Wm lab h	Los Angeles Directory Co.

937 EVERETT

Year	Uses	Source
1986	FERNANDEZ A	Pacific Bell
1981	FERNANDEZ A	Pacific Telephone
1933	Chamberlin Clarence E Alice	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Chamberlain Clarence E Alice reprmn	Los Angeles Directory Co.
1924	CHAMBERLAIN Clarence E mach h	Los Angeles Directory Co.

938 EVERETT

Year	Uses	Source
1990	TAY MU YAN	Pacific Bell
1986	TAY MU YAN	Pacific Bell
1981	LIM MARIAN	Pacific Telephone
1971	Wong Ping Yu	Pacific Telephone
1967	Sandoval Eva	Pacific Telephone
1962	Chan Tom	Pacific Telephone
1942	LOWRY Earl H Jessie musician	Los Angeles Directory Co.
	Faber Gilbert clk	Los Angeles Directory Co.
	Faber Jos slsmn	Los Angeles Directory Co.
	Faber Louis slsmn	Los Angeles Directory Co.
	Faber Sol Ida baker	Los Angeles Directory Co.
	LOWRY Lucille sten	Los Angeles Directory Co.
1937	FRIEDMAN Maurice Margt	Los Angeles Directory Co.
	Bondi Anthony clk	Los Angeles Directory Co.
1933	FABER Sol Ida baker	Los Angeles Directory Co.
	Faber Harry Pearl slsmn	Los Angeles Directory Co.
	Faber Jos slsmn	Los Angeles Directory Co.
	Faber Louis clk	Los Angeles Directory Co.
	FABER Sidney	Los Angeles Directory Co.
1929	Biederbeck Fred E Margt	Los Angeles Directory Co.
	Kert David Minnie clk	Los Angeles Directory Co.
1924	Gabal John h	Los Angeles Directory Co.
	Gabal Rose clk r	Los Angeles Directory Co.
	Gabal St Cecelia clk r	Los Angeles Directory Co.
	Gebel Celia steno r	Los Angeles Directory Co.
	Gebel Frank cutter r	Los Angeles Directory Co.
	Gebel Rose clk r	Los Angeles Directory Co.
	Gottfried Elizabeth Junitor h	Los Angeles Directory Co.

938 1/2 EVERETT

Year	Uses	Source
1990	KO HEANG BACK	Pacific Bell
1986	KO HEANG BACK	Pacific Bell
1981	LEE CHOON YOU	Pacific Telephone

FINDINGS

939 EVERETT

Year	Uses	Source
1990	WONG PUCK	Pacific Bell
1986	WONG SHU H	Pacific Bell
1981	WONG STANLEY K	Pacific Telephone
1971	Lee Linda	Pacific Telephone
1967	Tang Sebastian	Pacific Telephone
1962	Needleman Louis	Pacific Telephone
1942	Needleman John Sarah mech	Los Angeles Directory Co.
	Joplin Ruth E sten	Los Angeles Directory Co.
	Joplin Henry A Maude driver	Los Angeles Directory Co.
	Needleman Louis Sarah clo clnr	Los Angeles Directory Co.
1937	Needleman Louis tailor	Los Angeles Directory Co.
	Montana Leo emp Calif Metal Enameling Co	Los Angeles Directory Co.
1933	Needleman Louis clo clnr	Los Angeles Directory Co.
	Niedelman Louis Sarah tailor	Los Angeles Directory Co.
1929	COHEN Leo Goldie G printer	Los Angeles Directory Co.
	Needleman Louis Sarah tailor	Los Angeles Directory Co.
1924	Cooper Ben clk r	Los Angeles Directory Co.
	Needleman Goldie sec Hebrew Sheltering and Home of Aged Assn r	Los Angeles Directory Co.
	Needleman Louis tailor h	Los Angeles Directory Co.
	WEST Cath M phys h	Los Angeles Directory Co.
	r	Los Angeles Directory Co.
	h	Los Angeles Directory Co.

940 EVERETT

Year	Uses	Source
1990	CHIU CHUN KEUNG	Pacific Bell
1986	MA JOHN	Pacific Bell
1981	CHO KOK YORK	Pacific Telephone
1971	Ramirez Rosalio	Pacific Telephone
1962	Hong Joe Mrs	Pacific Telephone
1942	BAILEY Robt A Lillis clk	Los Angeles Directory Co.
	Pipkin Anna wid J M	Los Angeles Directory Co.
	MILLER Mary C Indywkr	Los Angeles Directory Co.
	DELGADO Nieves Hope pntr	Los Angeles Directory Co.
	Pipkin Chester Naomi steel wkr	Los Angeles Directory Co.
	PIPKIN Kenneth carp	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	Knight Anna Mrs	Los Angeles Directory Co.
	Lundenbell Chas	Los Angeles Directory Co.
1933	Kert David Minnie clk	Los Angeles Directory Co.
	Kert John	Los Angeles Directory Co.
	Kert Maxwell	Los Angeles Directory Co.
1929	ROSE June sten r	Los Angeles Directory Co.
	h	Los Angeles Directory Co.
	ROSE Myrtle beauty parlor	Los Angeles Directory Co.
	WILLIAMS Ferona E Mrs mgr Everett Apts h	Los Angeles Directory Co.
1924	Samis Adoniramn J bldg contr h	Los Angeles Directory Co.
	Margolis Louis Police h	Los Angeles Directory Co.
	Samis Ethel E steno r	Los Angeles Directory Co.

940 1/2 EVERETT

Year	Uses	Source
1990	LEE CHOON YOU	Pacific Bell
1986	LEE CHOON YOU	Pacific Bell
1981	RAMIREZ ROSALIO	Pacific Telephone

941 EVERETT

Year	Uses	Source
1990	WONG HTWE HAR	Pacific Bell
1986	WONG HTWE HAR	Pacific Bell
1981	WONG SHUE H	Pacific Telephone
1971	Gutierrez Lupe	Pacific Telephone
	Gutierrez Miguel Sr	Pacific Telephone
1942	Flasck Frank Josephine mech	Los Angeles Directory Co.
	Suraci Frank aircrftwkr	Los Angeles Directory Co.
	Sperati Jos lab	Los Angeles Directory Co.
1937	Puccinelli Dante Santina clk	Los Angeles Directory Co.
1933	Puccinelli Dante Santina slsmn	Los Angeles Directory Co.
1929	SHAW Hope F bndry wkr r	Los Angeles Directory Co.
	SHAW Wm H estimator Biola Press h	Los Angeles Directory Co.
1924	Turman Robt S real est h	Los Angeles Directory Co.

942 EVERETT

Year	Uses	Source
1990	EAR TENG	Pacific Bell
1986	EAR TENG	Pacific Bell

FINDINGS

Year	Uses	Source
1981	LEE MIU KUEN	Pacific Telephone
1971	Louie Wing Kwong	Pacific Telephone
1967	Daiz Antonio	Pacific Telephone
1962	Ma Tse Choy	Pacific Telephone
1942	FRIEDMAN Cora wid L E	Los Angeles Directory Co.
	FRIEDMAN Jas E Marion slsmn	Los Angeles Directory Co.
1937	Faber Gilbert	Los Angeles Directory Co.
	Faber Louis	Los Angeles Directory Co.
	Faber Sidney	Los Angeles Directory Co.
	Faber Sol Anna baker	Los Angeles Directory Co.
1933	Farber Saml baker	Los Angeles Directory Co.
1929	Faber Jos driver	Los Angeles Directory Co.
	Faber Sol Ida baker	Los Angeles Directory Co.

943 EVERETT

Year	Uses	Source
1990	DIEP QUYEN	Pacific Bell
1967	Coppell Thos	Pacific Telephone
1962	Coppell Thos	Pacific Telephone
1942	Pirri Josephine ck	Los Angeles Directory Co.
	Rosso Jean wid S K	Los Angeles Directory Co.
	Pirri Isabella clk	Los Angeles Directory Co.
	Pirri Antonio C Carmela	Los Angeles Directory Co.
1937	Pirri Antonio C Camilla gdnr Park Dept	Los Angeles Directory Co.
	Pirri Isabell	Los Angeles Directory Co.
	Pirri Josephine bkpr	Los Angeles Directory Co.
	Pizano Frank busmn	Los Angeles Directory Co.
	Rossi Louis Mary ironwkr	Los Angeles Directory Co.
1933	Pirri Antonio Carmela gdnr	Los Angeles Directory Co.
	Pirri Josephine H sten	Los Angeles Directory Co.
	Rossi Luigi Mary E slsmn	Los Angeles Directory Co.
	SANTO Lorenzo Mary H clo clnr	Los Angeles Directory Co.
1929	Pirri Antonio Carmen gdnr	Los Angeles Directory Co.
	Pirri Mary E clk	Los Angeles Directory Co.
	Vanni Eug Anna plstr h	Los Angeles Directory Co.
1924	Grassini Emil pastry cook h	Los Angeles Directory Co.
	PIRRI Tony bootblk h	Los Angeles Directory Co.
	Varllo Pete pastry mkr	Los Angeles Directory Co.

FINDINGS

943 1/2 EVERETT

Year	Uses	Source
1986	HO DATQUY	Pacific Bell
1981	THOS	Pacific Telephone

944 EVERETT

Year	Uses	Source
1929	Gorman John C	Los Angeles Directory Co.

946 EVERETT

Year	Uses	Source
1990	CHOW NEIL	Pacific Bell
	KONG YEN	Pacific Bell
	KOO LIANG CHEE	Pacific Bell
	LIM MEI	Pacific Bell
	VU DAT MANH	Pacific Bell
1986	CHOW NEIL	Pacific Bell
	KONG YEN	Pacific Bell
	KOO LIANG CHEE	Pacific Bell
	TAM KWONG LEUNG	Pacific Bell
	WONG HUN CHEN	Pacific Bell
	WOO JOE & MAY	Pacific Bell
1981	SHOW	Pacific Telephone
	CHOW NEIL	Pacific Telephone
	KONG YEN	Pacific Telephone
	WOO JOS C	Pacific Telephone
1942	WILSON Chas B mach	Los Angeles Directory Co.
	WILSON Clark E mech	Los Angeles Directory Co.
	WILSON Harriet wid K M	Los Angeles Directory Co.
1937	WILSON Chas B	Los Angeles Directory Co.
	WILSON Clark Emma	Los Angeles Directory Co.
1933	DAVIS Hal Annie civ eng	Los Angeles Directory Co.
1929	VEGA Miguel Raeducinda meat ctr h	Los Angeles Directory Co.

947 EVERETT

Year	Uses	Source
1924	HUDSON Irene Mrs dental asst r	Los Angeles Directory Co.

949 EVERETT

Year	Uses	Source
1990	ESTRADA ARCABIO	Pacific Bell

FINDINGS

Year	Uses	Source
1990	LOPEZ VELASQUEZ HERMINIA	Pacific Bell
	RAFAEL LOPEZ EUFEMIA	Pacific Bell
	SAENZ MARIA	Pacific Bell
	TAMAYO EDILLA	Pacific Bell
1986	ESTRADA ARCABIO	Pacific Bell
	RAMIREZ PATRICIO	Pacific Bell
	SAENZ MARIA	Pacific Bell
	TAMAYO EDILIA	Pacific Bell
	VEALL LILLIAN	Pacific Bell
1981	BUSTAMENTE SOPHIE	Pacific Telephone
	KUNG JOU MING	Pacific Telephone
	MORALES CELESTINO	Pacific Telephone
	REYNA GUIFLERMO	Pacific Telephone
	RIVERA RAFAEL	Pacific Telephone
1971	Agcaoili Leo	Pacific Telephone
	Everett Apts	Pacific Telephone
	Fuentes Pedro	Pacific Telephone
	Ponce Bibiana	Pacific Telephone
1942	FULLER Roy Thelma bkpr	Los Angeles Directory Co.
	HARMON Berneata mach opr	Los Angeles Directory Co.
	HARMON Bonnie	Los Angeles Directory Co.
	HARMON Vivian mach opr	Los Angeles Directory Co.
	Hilgeson Andw Nell	Los Angeles Directory Co.
	Keil Geo Thelma cook	Los Angeles Directory Co.
	Minter Calvin Lucille aircrftwkr	Los Angeles Directory Co.
	MITCHELL Robt aircrftwkr	Los Angeles Directory Co.
	PONCE Thos Clara plstr	Los Angeles Directory Co.
	Rainey Kath wid Robt	Los Angeles Directory Co.
	Togneri Reno Maxine window clnr	Los Angeles Directory Co.
	Wish Robt Myrtle Welder	Los Angeles Directory Co.
	Ybarra Tona wid T A	Los Angeles Directory Co.
	Bergman Dean Ann slsmn	Los Angeles Directory Co.
	Bergman Edw R Florence civ eng PE	Los Angeles Directory Co.
	COBB Thos mech	Los Angeles Directory Co.
	DONALDSON Robt writer	Los Angeles Directory Co.
1937	Albertson Alcaf Lucille mgr Everett Apts	Los Angeles Directory Co.
	BECK G F lab	Los Angeles Directory Co.
	CRAWFORD Chas clo prsr	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1937	Duke Anita Mrs waiter Genl Hosp	Los Angeles Directory Co.
	DYER Sam E	Los Angeles Directory Co.
	EKSTROM Roland	Los Angeles Directory Co.
	Everett Apartments	Los Angeles Directory Co.
	Ferrando T car clnr Pullman Co	Los Angeles Directory Co.
	Grover Grace F Mrs	Los Angeles Directory Co.
	HOWE Andw Nellie cook	Los Angeles Directory Co.
	KELLER Grace waiter	Los Angeles Directory Co.
	LAMARR Orville Barbara	Los Angeles Directory Co.
	Lopez Estella waiter	Los Angeles Directory Co.
	Manske Ann mlnr	Los Angeles Directory Co.
	Markin Clifford mecl	Los Angeles Directory Co.
	Monroe Bert C inspr Huntington Rubber Co	Los Angeles Directory Co.
	MONROE Harry E	Los Angeles Directory Co.
	Rushall Saml M Ethel agt Met Life Ins Co	Los Angeles Directory Co.
	VAUGHAN Edw civ enr County Flood Control	Los Angeles Directory Co.
	Volley Andw	Los Angeles Directory Co.
	Waites Albt Helen waiter	Los Angeles Directory Co.
	WIGGINS Rance B auto mach	Los Angeles Directory Co.
	Wissebeck Roland mech	Los Angeles Directory Co.
	Wong Benj clk	Los Angeles Directory Co.
1933	Butzke Albt P	Los Angeles Directory Co.
	Everett Apartments	Los Angeles Directory Co.
	KEIL Geo Thelma night mgr Simons Restr	Los Angeles Directory Co.
	KIEL Geo	Los Angeles Directory Co.
	PRESTON Lester C Velma br mgr Piggly Wiggly	Los Angeles Directory Co.
	PRESTON Velma D Mrs mgr Everett Apts	Los Angeles Directory Co.
	REYNOLDS Danl F Gracia slsmn	Los Angeles Directory Co.
	VAUGHAN Edw C civ eng Co Flood Control	Los Angeles Directory Co.
	Belisle Burneva printer	Los Angeles Directory Co.
1929	BERTRAND Walter K acct M H Whittier Co	Los Angeles Directory Co.
	BROWN R Paul ins	Los Angeles Directory Co.
	Cluff Leland driver	Los Angeles Directory Co.
	Everett Apartments	Los Angeles Directory Co.
	HAYNIE Duffy driver	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Jenner Marie I Mrs bkpr L A Cline	Los Angeles Directory Co.
	Keohen Ann beauty opr	Los Angeles Directory Co.
	Montplaisir Leo J carp	Los Angeles Directory Co.
	Nusser Geo	Los Angeles Directory Co.
	OFarrell Rex	Los Angeles Directory Co.
	ONEIL Larry lab	Los Angeles Directory Co.
	PHILLIPS Gertrude instr SCTCo	Los Angeles Directory Co.
	POTTER Francis clk h	Los Angeles Directory Co.
	SAMPLE Grace phone opr h	Los Angeles Directory Co.
	WEST Robt L chauf r	Los Angeles Directory Co.
	WILLIAMS Frank W patrolmn r	Los Angeles Directory Co.
1924	Batche Harry W oilwkr r	Los Angeles Directory Co.
	Butcher Frank J lino r	Los Angeles Directory Co.
	EVERETT Apartments	Los Angeles Directory Co.
	Finley Edwd J h	Los Angeles Directory Co.
	HOLMES Wm h	Los Angeles Directory Co.
	Movich Geo auto repr h	Los Angeles Directory Co.
	Pryke Ruby tchr h	Los Angeles Directory Co.
	Riddle Melvin adv mgr Graumans Metropolitan Theatre r	Los Angeles Directory Co.
	Strauss Bessie clk h	Los Angeles Directory Co.
	Sunquist Danl bollermkr h	Los Angeles Directory Co.
	THOMPSON Edwd B h	Los Angeles Directory Co.
	WAGNER Louis B h	Los Angeles Directory Co.
	Ware Cath h	Los Angeles Directory Co.
	WILLIAMS Frank W h	Los Angeles Directory Co.

950 EVERETT

Year	Uses	Source
1990	PHAN OANH	Pacific Bell
	PHAN TRUONG HUY	Pacific Bell
	TRAN KHON BAT	Pacific Bell
1986	LAM CUONG THE	Pacific Bell
	LOI PHUONG DI	Pacific Bell
	LY THIEN-TO	Pacific Bell
	PHAN TRUONG HUY	Pacific Bell
	PHAN TRUONG HUY	Pacific Bell
	QUACH CHAN DUC	Pacific Bell
	TRAN NHU THI	Pacific Bell

FINDINGS

Year	Uses	Source
1981	CHANG RONALD	Pacific Telephone
	LY THIEN TO	Pacific Telephone
	PHAN TRUONG HUY	Pacific Telephone
	QUACH CHAN DUC	Pacific Telephone
1971	Fragoso Jose	Pacific Telephone
	Ledezma Antonio	Pacific Telephone
	Ledezma Hector P	Pacific Telephone
	Young Jos	Pacific Telephone
1967	Young Jos	Pacific Telephone
1942	LUKENS Wm lab	Los Angeles Directory Co.
	MURRAY Chas O Millie A clk	Los Angeles Directory Co.
	MURRAY Robt driver	Los Angeles Directory Co.
1937	Dorian Mary F wid E F	Los Angeles Directory Co.
1933	Armstrong Chas W chauf	Los Angeles Directory Co.
	Dorian Mary F wid C P	Los Angeles Directory Co.
	MURRAY Frank electn	Los Angeles Directory Co.
1929	MURRAY Wm	Los Angeles Directory Co.
	Dorian Mary F wid C P	Los Angeles Directory Co.
	MURRAY Frank sta eng	Los Angeles Directory Co.
1924	MURRAY Jas lab r	Los Angeles Directory Co.
	MURRAY Wm h	Los Angeles Directory Co.

954 EVERETT

Year	Uses	Source
1924	Ensch Theodora r	Los Angeles Directory Co.

955 EVERETT

Year	Uses	Source
1942	BLAKE Doris M sten	Los Angeles Directory Co.
	BLAKE Frank G	Los Angeles Directory Co.
1937	Blake Frank	Los Angeles Directory Co.
	JOHNSON Helen	Los Angeles Directory Co.
	JOHNSON Jens Sene	Los Angeles Directory Co.
1933	JOHNSON Helen	Los Angeles Directory Co.
	JOHNSON Jens Sina tailor	Los Angeles Directory Co.
	BLAKE Frank dentist	Los Angeles Directory Co.
1929	JOHNSON Jens Sine tailor	Los Angeles Directory Co.
	BLAKE Frank G	Los Angeles Directory Co.

FINDINGS

956 EVERETT

Year	*Uses*	*Source*
1990	TRUONG DIEU	Pacific Bell
1986	BUN HENG	Pacific Bell
1981	YUE FRANK B C	Pacific Telephone
1967	Lewis C M	Pacific Telephone
1962	Lewis C M	Pacific Telephone
1942	LEWIS Cora clk	Los Angeles Directory Co.
	LEWIS Chas P Mary carp	Los Angeles Directory Co.
1937	Calperst Saml	Los Angeles Directory Co.
	Grinnis Jas agrmt prsr	Los Angeles Directory Co.
	Levisauski Saml	Los Angeles Directory Co.
	Lewis Chas Mad lab	Los Angeles Directory Co.
1933	LEWIS Chas P Magda M	Los Angeles Directory Co.
	MOSHER Mack Matilda chauf	Los Angeles Directory Co.
	Remus Jos electn	Los Angeles Directory Co.
1929	Drmas Matilda supvr	Los Angeles Directory Co.
	LEWIS Chas P Magdedena	Los Angeles Directory Co.
	Mizra Nich Sophy	Los Angeles Directory Co.
	Nuzara Sopme Mach op	Los Angeles Directory Co.
1924	WALLACE Tony tailor r	Los Angeles Directory Co.
	OHearn Jennie L Mrs r	Los Angeles Directory Co.
	LEWIS Chas P real est h	Los Angeles Directory Co.

960 EVERETT

Year	*Uses*	*Source*
1981	MESA T	Pacific Telephone
1971	Flemming Richard	Pacific Telephone
	Mesa T	Pacific Telephone
1967	Flemming Richard	Pacific Telephone
	Mesa T	Pacific Telephone
1962	Mesa T	Pacific Telephone
1942	JACOBS Morris Helen clo clnr	Los Angeles Directory Co.
	Maloney Rufus K Mae slsmn	Los Angeles Directory Co.
	MERKLE Donald Carrie mech	Los Angeles Directory Co.
	MERKLE Loraine sten	Los Angeles Directory Co.
1937	Dragovich Vincent restrwkr	Los Angeles Directory Co.
	Vuletich Mark Stella meat ctr	Los Angeles Directory Co.
1933	Vuletich Mark Stella meatetr	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	HOWARD Estella M wid Jobn clk Co Assessor	Los Angeles Directory Co.
1924	Miller Lydia r	Los Angeles Directory Co.
	MURRAY Frank electr r	Los Angeles Directory Co.

960 1/2 EVERETT

Year	Uses	Source
1990	BARSTOW M	Pacific Bell
1986	BARSTOW M	Pacific Bell

965 EVERETT

Year	Uses	Source
1990	HO HUNG	Pacific Bell
1986	DU CO LAP	Pacific Bell
1971	Nagata Kenneth	Pacific Telephone
1942	YOUNG Wm Fern mach	Los Angeles Directory Co.
	Rouse Ellsworth	Los Angeles Directory Co.
	Kolle Anthony mach	Los Angeles Directory Co.
	Ostrander Ruth Mrs	Los Angeles Directory Co.
1937	MARTIN Leo Anna bartender	Los Angeles Directory Co.
1933	Fillingham Fred G Opal R slsmn may Co	Los Angeles Directory Co.
	Kolle Autone A electn	Los Angeles Directory Co.
1929	Bancroft Alegra baths	Los Angeles Directory Co.
	Ostrander Ruth A Mrs clk LA FNT & S Bank	Los Angeles Directory Co.
1924	Bancroft Henry P h	Los Angeles Directory Co.
	MERRY Sarah clk r	Los Angeles Directory Co.
	OSTRANDER HARRY G Sales Mgr Corona Pacific Typewriter Co Inc h	Los Angeles Directory Co.
	OSTRANDER Ruth A Mrs clk r	Los Angeles Directory Co.

965 1/2 EVERETT

Year	Uses	Source
1986	RODRIQUEZ CARLOS	Pacific Bell

966 EVERETT

Year	Uses	Source
1990	LEE MARGARET	Pacific Bell
	LEE S H	Pacific Bell
1986	LEE S H	Pacific Bell
	LEE MARGARET	Pacific Bell

FINDINGS

Year	Uses	Source
1981	LEE S H	Pacific Telephone
	LEE MARGARET	Pacific Telephone
1971	Lee Hei Yee	Pacific Telephone
	Lee Margaret	Pacific Telephone
	Lee S H	Pacific Telephone
1967	Venegas Henry R	Pacific Telephone
1942	Bower Gregg Grace mech	Los Angeles Directory Co.
	Dragovich Alex H Ruth	Los Angeles Directory Co.
	Dragovich Melvin O slsmn	Los Angeles Directory Co.
	OSBORN Eliz A wid Fred	Los Angeles Directory Co.
1937	OSBORN Eliza wid F T	Los Angeles Directory Co.
	BOWER Gregg Grace	Los Angeles Directory Co.
	Dradovich Vincent Kath waiter	Los Angeles Directory Co.
	BOWER Gregg Grace	Los Angeles Directory Co.
1933	Dragovich Vincent Cath	Los Angeles Directory Co.
	Tavaglione Angelo shoe repr	Los Angeles Directory Co.
1929	Dragovich Vincent Cath gro	Los Angeles Directory Co.
1924	Cotter Frank E dep County Aud h	Los Angeles Directory Co.

966 1/2 EVERETT

Year	Uses	Source
1990	LEE HEI YEE	Pacific Bell
1986	LEE HEI YEE	Pacific Bell
1981	LEE HEI YEE	Pacific Telephone

967 EVERETT

Year	Uses	Source
1942	DIX Dorothy wid M K	Los Angeles Directory Co.
	HART Louis mach	Los Angeles Directory Co.
	Stagman Raymond mech	Los Angeles Directory Co.
1937	MORGAN Leo C cook	Los Angeles Directory Co.
	MORGAN Max W Barbara with Technicolor Mortion Pict Corp	Los Angeles Directory Co.
1933	Ostrander Ruth A sten	Los Angeles Directory Co.
	ROUSE Weston C	Los Angeles Directory Co.
	Rulison Jeannette nurse	Los Angeles Directory Co.
1929	ROUSE Weston C pntr r	Los Angeles Directory Co.
	Arentz Robt H clk	Los Angeles Directory Co.

FINDINGS

967 1/2 EVERETT

Year	Uses	Source
1990	JIMENEZ EDELMIRA	Pacific Bell
1986	JIMENEZ EDELMIRA	Pacific Bell

969 EVERETT

Year	Uses	Source
1937	Ostrander Ruth A sten SFN Bank	Los Angeles Directory Co.

970 EVERETT

Year	Uses	Source
1986	YAM SAY	Pacific Bell
1981	CHIKATO S	Pacific Telephone
1971	Chikato S	Pacific Telephone
1967	Chikato S	Pacific Telephone
1962	Chikato S	Pacific Telephone
1942	LARKIN Ralph mech	Los Angeles Directory Co.
	LARKIN Martin L Sarah slsmn	Los Angeles Directory Co.
	Chickado J driver	Los Angeles Directory Co.
1937	Chikato Stella wid Steven	Los Angeles Directory Co.
1933	Chikato Steph Stella slsmn	Los Angeles Directory Co.
1929	Chikato Stave Stella lab	Los Angeles Directory Co.
1924	Schikato Stephen lab h	Los Angeles Directory Co.

971 EVERETT

Year	Uses	Source
1962	Madrueno Leonor	Pacific Telephone
1942	Donaldson Ella wid S M	Los Angeles Directory Co.
	DONALDSON Henry Cora mech	Los Angeles Directory Co.
1933	Aspinall Mary wid E B	Los Angeles Directory Co.
	Aspinall Jessie	Los Angeles Directory Co.
1929	Aspinall Jessie V	Los Angeles Directory Co.
	Aspinall Edw B Mary J	Los Angeles Directory Co.
1924	Aspinall Edwin B h	Los Angeles Directory Co.
	MORGAN J Tomley agt r	Los Angeles Directory Co.

EVERETT AVE

910 EVERETT AVE

Year	Uses	Source
1958	Calvert J V Mrs	Pacific Telephone

924 EVERETT AVE

Year	Uses	Source
1958	Connelly Rena M	Pacific Telephone

931 EVERETT AVE

Year	Uses	Source
1958	Chavez W B	Pacific Telephone

960 EVERETT AVE

Year	Uses	Source
1942	Konigsberg Raphael Sylvia supt Jewish Consumptive & Ex Patients Relief Assn Home	Los Angeles Directory Co.

970 EVERETT AVE

Year	Uses	Source
1958	Chikato S	Pacific Telephone

EVERETT ST

900 EVERETT ST

Year	Uses	Source
1976	Ho Sum	Pacific Telephone
1958	Shylenko Wolodymyr	Pacific Telephone

906 EVERETT ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Nu Tsal Shu	Pacific Telephone

908 EVERETT ST

Year	Uses	Source
2006	DONGVan Minh	Haines Company, Inc.
2000	DONG Van Minh	Haines & Company
	NGUYEN Thong V	Haines & Company
	TRAN Hoanh V	Haines & Company
1976	Guillen Guadalupe	Pacific Telephone
1958	Kinney Carl E	Pacific Telephone
1951	Everett Kinney Carl r	Pacific Telephone & Telegraph Co.
	Everett Murray David r	Pacific Telephone & Telegraph Co.
	Everett Bragg Harry M r	Pacific Telephone & Telegraph Co.
	Everett Vaughan Lillie M r	Pacific Telephone & Telegraph Co.

FINDINGS

910 EVERETT ST

Year	Uses	Source
2006	1/a TAKAHASHI Kazuyuh I	Haines Company, Inc.
2000	a 1/2 OCAMPO Luis Ramon	Haines & Company
1976	Lee Kin Yee	Pacific Telephone
	Roman Carlota	Pacific Telephone
1958	Gutierrez Sara	Pacific Telephone
	Lopez Estella	Pacific Telephone
1951	Everett Bemis Jay W Sr r	Pacific Telephone & Telegraph Co.
	Everett Calvert J V Mrs r	Pacific Telephone & Telegraph Co.
	Everett Root E W r	Pacific Telephone & Telegraph Co.

912 EVERETT ST

Year	Uses	Source
2000	GARCIA Ricardo G	Haines & Company
1976	Jenkins L O	Pacific Telephone
	Rojas Librada	Pacific Telephone

917 EVERETT ST

Year	Uses	Source
1958	Genteno Raul	Pacific Telephone
	Centeno Mike	Pacific Telephone

920 EVERETT ST

Year	Uses	Source
2006	LIVSeng	Haines Company, Inc.
2000	CHOW Robert	Haines & Company
1951	Everett Acosta John L r	Pacific Telephone & Telegraph Co.

921 EVERETT ST

Year	Uses	Source
2006	SANGTHONG Chanda	Haines Company, Inc.
2000	CHUI Kuen	Haines & Company
1976	Mc Cauley John	Pacific Telephone

923 EVERETT ST

Year	Uses	Source
2000	KIM Khoeur	Haines & Company
	a 1/2 LEE Pek Kien	Haines & Company
1976	Lee Wing Chi	Pacific Telephone

FINDINGS

924 EVERETT ST

Year	Uses	Source
2006	HUANG Rui	Haines Company, Inc.
2000	LOK George	Haines & Company
1976	Urbina Beatrice	Pacific Telephone
1951	Everett Connelly Rena M	Pacific Telephone & Telegraph Co.

927 EVERETT ST

Year	Uses	Source
2006	RODRIGUEZMara G	Haines Company, Inc.
1976	Jung Edw	Pacific Telephone
1958	Nunez Lucila	Pacific Telephone

930 EVERETT ST

Year	Uses	Source
2006	WAIYi Lam	Haines Company, Inc.
	LU Lan Hue	Haines Company, Inc.
	LIM Fal	Haines Company, Inc.
2000	LU Lan Hue	Haines & Company
	CHUN Kwai	Haines & Company
1976	Wong Wilfredo	Pacific Telephone
	Chan Wicky Tak Fu	Pacific Telephone
1958	Sutin Lena	Pacific Telephone
1951	Everett Sutin Lena r	Pacific Telephone & Telegraph Co.
	Evrt Pun To Lock r	Pacific Telephone & Telegraph Co.

931 EVERETT ST

Year	Uses	Source
1976	Chavez W B	Pacific Telephone
1951	Everett Chavez W B r	Pacific Telephone & Telegraph Co.

932 EVERETT ST

Year	Uses	Source
1976	Yee Kay Wah	Pacific Telephone
1958	Montenegro Lucas	Pacific Telephone
1951	Evrett Wong Lee	Pacific Telephone & Telegraph Co.
	Evrett Wong Lee	Pacific Telephone & Telegraph Co.

933 EVERETT ST

Year	Uses	Source
2006	OROSCOTeresa G	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2000	OROSCO Teresa G	Haines & Company
1976	Orosco Teresa G	Pacific Telephone
	Nuno Jose Luis	Pacific Telephone
1958	Orosco Teresa G	Pacific Telephone
	Foster Billie	Pacific Telephone
1951	Everett De Leon Olga D r	Pacific Telephone & Telegraph Co.
	Everett Diamond Robt r	Pacific Telephone & Telegraph Co.

934 EVERETT ST

Year	Uses	Source
2012	BRYCO PLUMBING	Cole Information Services
2006	APARTMENTS	Haines Company, Inc.
	ANDRADEAHfredo	Haines Company, Inc.
	LUANGFUANGTHON	Haines Company, Inc.
	Vewatt	Haines Company, Inc.
	QUINTERO D	Haines Company, Inc.
	SAELEEJohn	Haines Company, Inc.
	SRIMUANG Veerayut	Haines Company, Inc.
	WANAPHORPhalsak	Haines Company, Inc.
2000	CARPIO Jose	Haines & Company
	LIM Hong	Haines & Company
1976	Carrillo Esther M	Pacific Telephone
	Chen Dick H	Pacific Telephone
	Chiu Tze Sheung	Pacific Telephone
	Ho Dang Van	Pacific Telephone
1958	Rado Anna	Pacific Telephone
1951	Everett Rado Anna r	Pacific Telephone & Telegraph Co.

935 EVERETT ST

Year	Uses	Source
1951	Everett Gomez Soledad r	Pacific Telephone & Telegraph Co.
	Everett Fischer C J r	Pacific Telephone & Telegraph Co.

937 EVERETT ST

Year	Uses	Source
2006	TORRES Alfonso	Haines Company, Inc.
2000	TORRES Alfonso	Haines & Company
1976	Fernandez A	Pacific Telephone

FINDINGS

938 EVERETT ST

Year	Uses	Source
2006	DIAZRene	Haines Company, Inc.
2000	LINDNER Gert OCTOVIO Cruz	Haines & Company
1976	Wong Stanley K	Pacific Telephone
	Hock Lim Chye	Pacific Telephone
	Wong Shue H	Pacific Telephone
1958	Chan Tom	Pacific Telephone
1951	Everett Faber S r	Pacific Telephone & Telegraph Co.
	Everett Jue Danl r	Pacific Telephone & Telegraph Co.
	Everett Lowry Earl H r	Pacific Telephone & Telegraph Co.

939 EVERETT ST

Year	Uses	Source
2006	AVILAElfego H	Haines Company, Inc.
2000	WONG Stanley	Haines & Company
1976	Chang John	Pacific Telephone
1958	Needleman Louis	Pacific Telephone
1951	Everett Flores Rita S Mrs r	Pacific Telephone & Telegraph Co.
	Everett Needleman Louis r	Pacific Telephone & Telegraph Co.

940 EVERETT ST

Year	Uses	Source
2006	OCAMPORafael	Haines Company, Inc.
2000	a 1/2 OCAMPO Rafael	Haines & Company
1976	Ramirez Rosalio	Pacific Telephone
1958	Pipkin Chester	Pacific Telephone
1951	Everett Delgado Nieves A r	Pacific Telephone & Telegraph Co.
	Everett Pipkin Chester r	Pacific Telephone & Telegraph Co.

941 EVERETT ST

Year	Uses	Source
2006	HERRERA David	Haines Company, Inc.
2000	WONG Htwe Har	Haines & Company
1976	Gutierrez Miguel Sr	Pacific Telephone
	Gutierrez Lupe	Pacific Telephone

942 EVERETT ST

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	ZUNIGA Viviana E	Haines & Company

FINDINGS

Year	Uses	Source
1958	Ma Tse Choy	Pacific Telephone
1951	Everett Sui Goon You r	Pacific Telephone & Telegraph Co.

943 EVERETT ST

Year	Uses	Source
2006	NGUYEN Ly	Haines Company, Inc.
	B TRAN Thao	Haines Company, Inc.
2000	HERNANDEZ Loris	Haines & Company
1976	Coppell Thos	Pacific Telephone
1958	Rossi Gino	Pacific Telephone
1951	Evrt Pirri Carmela Mrs r	Pacific Telephone & Telegraph Co.
	Everett Rossi Gino r	Pacific Telephone & Telegraph Co.

946 EVERETT ST

Year	Uses	Source
2006	KOO Liang Chee	Haines Company, Inc.
	Margarita	Haines Company, Inc.
	EA Paul	Haines Company, Inc.
	KONG Margaret	Haines Company, Inc.
	BALDENEGRO	Haines Company, Inc.
2000	KONG Yen	Haines & Company
	KOO Liang Chea	Haines & Company
	WOO May Yi Yan	Haines & Company

949 EVERETT ST

Year	Uses	Source
2006	MARTIN Arnoldo	Haines Company, Inc.
2000	APARTMENTS FUENTES Jose Luis	Haines & Company
	MCGUIRE Sondi	Haines & Company
	PINTO Blanca	Haines & Company
	SANTOS Glenda	Haines & Company
	VALDEZ Ana Y	Haines & Company
1976	Everett Apts	Pacific Telephone
	Fuentes Pedro	Pacific Telephone
	Kung Jou Ming	Pacific Telephone
1958	Everett Apts	Pacific Telephone
	Phelan Thos V	Pacific Telephone
1951	Mata Salud r	Pacific Telephone & Telegraph Co.
	Everett Everett Apts	Pacific Telephone & Telegraph Co.

FINDINGS

950 EVERETT ST

Year	Uses	Source
2006	INFANTE Narclso	Haines Company, Inc.
	OCHOALeonel	Haines Company, Inc.
	SERAFIN Sylvia	Haines Company, Inc.
2000	ARREDONDO Gerardo	Haines & Company
	MARROQUIN Manuel	Haines & Company
	TANG Chiv Hang	Haines & Company
	YOUNG Linda	Haines & Company
1976	Marin Oliverio E	Pacific Telephone
	Fragoso Jose	Pacific Telephone
	Ledezma Antonio	Pacific Telephone
1958	Hernandez Ernest	Pacific Telephone
1951	Everett Murray Chas O r	Pacific Telephone & Telegraph Co.

955 EVERETT ST

Year	Uses	Source
2006	TIMMRECK Ryan	Haines Company, Inc.
2000	KAWAMOTO Rae YIM Aeng Kum	Haines & Company
1958	Blake Frank G Dr	Pacific Telephone
1951	Everett Blake Frank G Dr r	Pacific Telephone & Telegraph Co.

956 EVERETT ST

Year	Uses	Source
2006	CORTEZAlejandra	Haines Company, Inc.
	CHANThongdee	Haines Company, Inc.
	CHAN Mom	Haines Company, Inc.
	PLATON Margadta	Haines Company, Inc.
	ZHONGYuyun	Haines Company, Inc.
2000	GALIV Seng Hong	Haines & Company
	ZHONG Yuyun	Haines & Company
	NA Seam Guek	Haines & Company
1976	Yue Frank B C	Pacific Telephone
1958	Lewis C M	Pacific Telephone
1951	Everett Lewis C M r	Pacific Telephone & Telegraph Co.

960 EVERETT ST

Year	Uses	Source
2006	GONZALEZ Arturo	Haines Company, Inc.
2000	GONZALEZ Arturo	Haines & Company

Year	Uses	Source
1976	Mesa T	Pacific Telephone
1958	Mesa T	Pacific Telephone
1951	Everett Mesa T r	Pacific Telephone & Telegraph Co.

965 EVERETT ST

Year	Uses	Source
2006	HENG Ngeth	Haines Company, Inc.
	TRANTruc	Haines Company, Inc.
2000	CHIKATO Melvin	Haines & Company
1976	Trujillo Inez	Pacific Telephone
1951	Everett Goode Fern E r	Pacific Telephone & Telegraph Co.
	Everett Kolle Anton Mrs r	Pacific Telephone & Telegraph Co.

966 EVERETT ST

Year	Uses	Source
2006	V/2 RYMAN Kenna	Haines Company, Inc.
	o LEE William	Haines Company, Inc.
2000	a 1/2 NG Gee Choy	Haines & Company
	LEE Margaret	Haines & Company
1976	Lee Hel Yee	Pacific Telephone
	Lee S H	Pacific Telephone
	Lee Margaret	Pacific Telephone
1951	Everett Wong Matthew L Dr r	Pacific Telephone & Telegraph Co.

967 EVERETT ST

Year	Uses	Source
2000	XXXX	Haines & Company
1976	Sibner Bill	Pacific Telephone
	Rico Victor Manuel Flores	Pacific Telephone

970 EVERETT ST

Year	Uses	Source
2006	PHAL Sarom	Haines Company, Inc.
	ZHOUYal	Haines Company, Inc.
	LI Yong Li	Haines Company, Inc.
2000	LEE Hei Yee	Haines & Company
	CHEN Tong Shan	Haines & Company
	CHANG Kenny	Haines & Company
	LUO Eva	Haines & Company
1976	Chikato S	Pacific Telephone

Year	Uses	Source
1951	Everett Chikato S r	Pacific Telephone & Telegraph Co.

MARION AVE

1110 MARION AVE

Year	Uses	Source
1967	Portolri John	Pacific Telephone
1962	Portoluri John	Pacific Telephone
1958	Portoluri John	Pacific Telephone
1951	Marion Av Portoluri John r	Pacific Telephone & Telegraph Co.
1942	PROTHERO Guy P	Los Angeles Directory Co.
1937	Snow Chas A carp	Los Angeles Directory Co.
	Balchen Gustave E cbtmkr	Los Angeles Directory Co.
	VAN DUSEN W J Christine evangelist	Los Angeles Directory Co.
1929	Grover Annie M	Los Angeles Directory Co.
	WALLIN Christina Mrs r	Los Angeles Directory Co.
1924	Costigan W G h	Los Angeles Directory Co.
	Grover Anna r	Los Angeles Directory Co.

1111 MARION AVE

Year	Uses	Source
2006	TAINGHor	Haines Company, Inc.
2000	a 1/2 THAI Kheng C	Haines & Company
	TAING Hor	Haines & Company
1990	CHANG YIKKEK	Pacific Bell
1986	CHANG YIKKEK	Pacific Bell
1981	CHANG YIKKEK	Pacific Telephone
1976	Valencia Angela	Pacific Telephone
	Perez Conception	Pacific Telephone
1958	Glass Coetta	Pacific Telephone
1951	Marion Av Glass Coetta r	Pacific Telephone & Telegraph Co.
1942	Havey Grace Mrs	Los Angeles Directory Co.
	Petillo Jerry Concetta barber	Los Angeles Directory Co.
1937	KELLEY Chas Clara pntr	Los Angeles Directory Co.
	Mc CARTHY John Evelyn chauf	Los Angeles Directory Co.
1929	Mc LAUGHLIN Marjory hostess	Los Angeles Directory Co.
1924	Madison Dolas steno r	Los Angeles Directory Co.
	CAMPBELL Elmer E agt h	Los Angeles Directory Co.
	Campbell Alice Mrs r	Los Angeles Directory Co.

FINDINGS

1112 MARION AVE

Year	Uses	Source
2006	BARRAZAPedro	Haines Company, Inc.
2000	ANGULO Alex	Haines & Company
1951	Marion Av Angulo Alex r	Pacific Telephone & Telegraph Co.
1942	Peacock Mary R wid T B	Los Angeles Directory Co.
1937	Peacock Mary R Mrs	Los Angeles Directory Co.
1924	PEACOCK Thos B slsmn Hercules Gasolino Co h	Los Angeles Directory Co.

1113 MARION AVE

Year	Uses	Source
2006	TAINGEam	Haines Company, Inc.
	VUONG Nam V	Haines Company, Inc.
2000	VUONG Nam V 213 25 Q 2222	Haines & Company
	a 1/2 TAING Eam 213 4 B	Haines & Company
1951	Marion Av Poitevin Marie Mme	Pacific Telephone & Telegraph Co.
	Marion Av Wixen Aron r	Pacific Telephone & Telegraph Co.
1942	Carlzane Ernest Florence asst elev dir	Los Angeles Directory Co.
1937	Goldwater Harry Pearl tailor	Los Angeles Directory Co.
1929	Bier Evelyn	Los Angeles Directory Co.
	Bir Evelyn Eureka Coffee Shop	Los Angeles Directory Co.
	Haskin Edith G phone opr	Los Angeles Directory Co.
	Tritschler Clara Eureka Coffee Shop r	Los Angeles Directory Co.
	Tritzler Clara Mrs h	Los Angeles Directory Co.
	Wiggins Ora Eureka Coffee Shop r	Los Angeles Directory Co.
1924	Mellenson Blanch Mrs r	Los Angeles Directory Co.
	PARKER Armerelia steno r	Los Angeles Directory Co.
	PARKER Mildred steno h	Los Angeles Directory Co.

1113 1/2 MARION AVE

Year	Uses	Source
1990	TANG SRUN HENG	Pacific Bell
1986	TANG SRUN HENG	Pacific Bell
1981	SOR KEAV HAY	Pacific Telephone

1115 MARION AVE

Year	Uses	Source
1924	HODGES Edwd T slsmn H H Calver & Co r	Los Angeles Directory Co.

FINDINGS

1116 MARION AVE

Year	Uses	Source
2006	CASTILLO Bonifacdo	Haines Company, Inc.
2000	a 1/2 PEREZ Angeles	Haines & Company
	MORALES Nestor	Haines & Company
	CABICO Amparo	Haines & Company
1990	ESPINOSA AURTURO	Pacific Bell
	CHRIN KY	Pacific Bell
1986	OV HONG LIM	Pacific Bell
1981	ALEJO TIMOTEO JR	Pacific Telephone
1976	Valverde Guadalope	Pacific Telephone
	Curiel Francisca	Pacific Telephone
1962	Accornero S	Pacific Telephone
1951	Marion Av Accornero S r	Pacific Telephone & Telegraph Co.
1942	Accornero Secondo Adela billiards	Los Angeles Directory Co.
	Accornero Louis	Los Angeles Directory Co.
1937	Accornero Secondo Adela beer	Los Angeles Directory Co.
1929	Iannarone Eug Mary E barber	Los Angeles Directory Co.
	Acconero Secundo Adela Accomero & Vinassa	Los Angeles Directory Co.
1924	SMITH Max h	Los Angeles Directory Co.
	Kakeldey Fredk h	Los Angeles Directory Co.
	HODGES Edwd h	Los Angeles Directory Co.
	HODGES W S r	Los Angeles Directory Co.

1116 1/2 MARION AVE

Year	Uses	Source
1986	HY LANG	Pacific Bell
1981	CURIEL FRANCISCA	Pacific Telephone

1116 3/4 MARION AVE

Year	Uses	Source
1990	TEA HAY M	Pacific Bell
1986	TEA HAY M	Pacific Bell
1981	CABANTING ERNEST	Pacific Telephone

1117 MARION AVE

Year	Uses	Source
1929	Dracovich Vincent Margt barber	Los Angeles Directory Co.
	ENGLISH Elroy F msngr	Los Angeles Directory Co.
	Camival Ernest Mattie tailor	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Belletich Josephine M	Los Angeles Directory Co.
	Belletich Angels lab	Los Angeles Directory Co.
1924	MERCER Mary L Mrs r	Los Angeles Directory Co.
	MERCER Harry D printer h	Los Angeles Directory Co.

1118 MARION AVE

Year	Uses	Source
2000	TORRES Ricardo	Haines & Company
1986	TRAM THANH	Pacific Bell
1976	Lopez Rosalina	Pacific Telephone
	Barba Segundino	Pacific Telephone
1958	Christian Victoria	Pacific Telephone
1951	Marion Av Christian Victoria r	Pacific Telephone & Telegraph Co.
1942	MORENO Paul boxmkr	Los Angeles Directory Co.
	CHRISTIAN Victoria boxmkr	Los Angeles Directory Co.
1937	CHRISTIAN Victoria boxmkr	Los Angeles Directory Co.
1929	Vitale Alex F Anna chauf h	Los Angeles Directory Co.

1118 1/2 MARION AVE

Year	Uses	Source
1990	RIVERA VENUS	Pacific Bell
1986	KONT KHEANT	Pacific Bell
1981	LOPEZ REFUGIO	Pacific Telephone

1119 MARION AVE

Year	Uses	Source
2006	XIEWF	Haines Company, Inc.
	WEIFu	Haines Company, Inc.
	Xl E LI Zhen	Haines Company, Inc.
2000	WEI Fu	Haines & Company
	XIE W F	Haines & Company
	XIE Zhe	Haines & Company
1990	MATHIEU B J	Pacific Bell
1986	MATHIEU B J	Pacific Bell
1981	MATHIEU B J	Pacific Telephone
1976	Mathieu Josephine	Pacific Telephone
1962	Mathieu Philippe	Pacific Telephone
1958	Malhieu Philippe	Pacific Telephone
1951	Marion Av Mathieu Philippe r	Pacific Telephone & Telegraph Co.

FINDINGS

Year	Uses	Source
1942	Mathieu Philippe Josephine	Los Angeles Directory Co.
	Ferrand Bertha Mrs	Los Angeles Directory Co.
	Mathieu Alice slswn	Los Angeles Directory Co.
1937	Mathieu Alice	Los Angeles Directory Co.
	Mathieu Philippe Josephine	Los Angeles Directory Co.
1929	Cantwell Jessie M sten	Los Angeles Directory Co.
	Dahlberg Jas Katy mech	Los Angeles Directory Co.
	Mathew Alice	Los Angeles Directory Co.
	Mathew Bertha	Los Angeles Directory Co.
	Mathew Philip	Los Angeles Directory Co.
	Prysoch Josie H sten r	Los Angeles Directory Co.
1924	Beltran Lucille telep opr h	Los Angeles Directory Co.
	BROWN Alice M clk r	Los Angeles Directory Co.
	BROWN Alice M steno r	Los Angeles Directory Co.
	BROWN Ella h	Los Angeles Directory Co.
	BROWN Florence E steno r	Los Angeles Directory Co.

1120 MARION AVE

Year	Uses	Source
2006	ZAVALARIcado	Haines Company, Inc.
2000	ZAVALA Ricardo	Haines & Company
1990	BURGOS EDUVIGES	Pacific Bell
1986	UM MONY	Pacific Bell
1981	PHUNG DUC DAO	Pacific Telephone
1951	Marion Av Lombardo Felice r	Pacific Telephone & Telegraph Co.
1942	Elder Alvin W game management agt U S Fish and Wild Life Service	Los Angeles Directory Co.
	GAGE Wm B Sara slsmn BD Co	Los Angeles Directory Co.
	Lombardo Felice Erminia	Los Angeles Directory Co.
	Vivalda Joe Little Joes Italian Restaurant pres Italian American Grocery Co and Cafe Apollo Co Inc	Los Angeles Directory Co.
1937	LOMBARDO Felice Erminia restrwkr	Los Angeles Directory Co.
	Vivalda Joe Gadeschi Borgogna & Vivalda pres Italian American Gro Co	Los Angeles Directory Co.
1933	Vicalda Jos Italian American Gro	Los Angeles Directory Co.
1929	Lombardo Felice Armenia meat ctr	Los Angeles Directory Co.
1924	Corrette Joe tailor r	Los Angeles Directory Co.
	Ranuca A r	Los Angeles Directory Co.
	Serota Jos h	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Vonacena F r	Los Angeles Directory Co.

1124 MARION AVE

Year	Uses	Source
2007	HANKFORD	Cole Information Services
2006	WILLOUGHBY	Haines Company, Inc.
	Christna	Haines Company, Inc.
2000	TOY Eddie	Haines & Company
	a 1/2 U Da Min	Haines & Company
1976	Wong Yock D	Pacific Telephone
1951	Marion Av	Pacific Telephone & Telegraph Co.
	Reesberg Clara M r	Pacific Telephone & Telegraph Co.
	Marion Av Schwartz Nettie r	Pacific Telephone & Telegraph Co.
	Marion Av Farrar Ethel M r	Pacific Telephone & Telegraph Co.
	Marion Av Miller Minnie r	Pacific Telephone & Telegraph Co.
1942	FARRAR Chas Ethel M barber	Los Angeles Directory Co.
	FARRAR Ethel M Mrs clk CHC	Los Angeles Directory Co.
	Kaminsky Rose Mrs clo clnr	Los Angeles Directory Co.
	LEVINSON David J genl mgr Houston Corp	Los Angeles Directory Co.
	LEVINSON Louis Lee	Los Angeles Directory Co.
	Wixen Aaron Tany	Los Angeles Directory Co.
1937	de Kolty Elise clk	Los Angeles Directory Co.
	de Kolty Jean C Helen M	Los Angeles Directory Co.
	Wizen Aaron Tillie junk	Los Angeles Directory Co.
	Wizen Isader lab	Los Angeles Directory Co.
1933	Rochette Thos P mach	Los Angeles Directory Co.
1929	BENSON Alf E slsmn F F Jamison	Los Angeles Directory Co.
	BENSON Annie phone opr	Los Angeles Directory Co.
	BENSON Belle wid A O	Los Angeles Directory Co.
	BENSON Howard W clk	Los Angeles Directory Co.
	Rochetto Thos lab r	Los Angeles Directory Co.
1924	BENSON Anna r	Los Angeles Directory Co.
	BENSON Arthur S millwright r	Los Angeles Directory Co.
	BENSON Belle Mrs h	Los Angeles Directory Co.
	BENSON Howard W clk r	Los Angeles Directory Co.
	BENSON Lyman B r	Los Angeles Directory Co.
	DUNHAM Lillian Mrs h	Los Angeles Directory Co.
	JENSION Jos J r	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Silverman Hyman designer Pao Skirt Co r	Los Angeles Directory Co.
	Whitney Kate Mrs r	Los Angeles Directory Co.
	Benson Alfd E slsmn J E Coberly Co r	Los Angeles Directory Co.

1124 1/2 MARION AVE

Year	Uses	Source
1990	LUONG QUYNH HANH	Pacific Bell
1986	LUONG QUYNH HANH	Pacific Bell

1124 1/4 MARION AVE

Year	Uses	Source
1990	LUONG SIEU KIEN	Pacific Bell

1125 MARION AVE

Year	Uses	Source
2006	XI Shan	Haines Company, Inc.
	Vi SOOHOOTak	Haines Company, Inc.
2000	XI Shan	Haines & Company
	ZHOU Yug In	Haines & Company
	a 1/2 SOOHOO Leung	Haines & Company
1990	SOO HOO LEE	Pacific Bell
1986	TSUI FLORENCE	Pacific Bell
1981	QUACH THINH DUC	Pacific Telephone
1958	Oka Naoki	Pacific Telephone
1951	Marion Av Oka Naoki r	Pacific Telephone & Telegraph Co.
1942	Valsdes Gregurio Elena musician	Los Angeles Directory Co.
1937	SANCHEZ Encarnarcic	Los Angeles Directory Co.
	PEREA Julia wrapper	Los Angeles Directory Co.

1125 1/2 MARION AVE

Year	Uses	Source
1990	GUAN JINCAI	Pacific Bell
1986	PHUONG PHAN TU	Pacific Bell
1981	PHUONG PHAN TU	Pacific Telephone

1126 MARION AVE

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	POEUNG SAN KIM	Pacific Bell

FINDINGS

Year	Uses	Source
1986	CHAU YONG S	Pacific Bell
1951	Marion Av Christopher Julia C r	Pacific Telephone & Telegraph Co.
1942	CHRISTOPHER Julia C	Los Angeles Directory Co.
1937	Rosene Tobert F Billie chauf	Los Angeles Directory Co.
1929	HUSTED Leona M Mrs smstrs	Los Angeles Directory Co.
	Husted Eunice F sten	Los Angeles Directory Co.
1924	HERMAN Sadie r	Los Angeles Directory Co.
	Greenberg Harry Pacific Skirt Co h	Los Angeles Directory Co.
	Greenbach Harry h	Los Angeles Directory Co.

1127 MARION AVE

Year	Uses	Source
1976	Valadez Elena	Pacific Telephone
1942	Moreno Albt H	Los Angeles Directory Co.
	Ruiz Emilia Mrs	Los Angeles Directory Co.
	RUIZ Pete Delfina billiards	Los Angeles Directory Co.
	Sanchez Alesio C	Los Angeles Directory Co.
1937	MORENO Albt H clk	Los Angeles Directory Co.
1929	Crusell Leslie baker	Los Angeles Directory Co.
	SANCHEZ Chas E musician h	Los Angeles Directory Co.
	SANCHEZ Chas Sanchez & Sanchez r	Los Angeles Directory Co.
	KOHLER Marie wid Karl	Los Angeles Directory Co.
	KOHLER Brunhilda M	Los Angeles Directory Co.
1924	KELSEY Geo E watchmkr Spurlock & Bryans r	Los Angeles Directory Co.
	GONZALES Frank U slsmn R M Hollingshead Co r	Los Angeles Directory Co.

1127 1/2 MARION AVE

Year	Uses	Source
1986	VALADEZ ELENA	Pacific Bell
1981	VALADEZ ELENA	Pacific Telephone

1128 MARION AVE

Year	Uses	Source
2006	Lucas	Haines Company, Inc.
	JUAREZCalendaria	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	CHAU SOK VAN	Pacific Bell
1986	CHAU SOK VAN	Pacific Bell

FINDINGS

Year	Uses	Source
1976	Garcia Ernestina	Pacific Telephone
1951	Marion Meighen Beverly r	Pacific Telephone & Telegraph Co.
1942	Brandvold Daisy wid A T	Los Angeles Directory Co.
1937	SAYRE Vernon M Ada ins agt	Los Angeles Directory Co.
1929	Mc CONNELL Jennie clk	Los Angeles Directory Co.
	Sell Esther clk h	Los Angeles Directory Co.
1924	JOHNSON Frank h	Los Angeles Directory Co.

1130 MARION AVE

Year	Uses	Source
2006	No Current Listing	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	CHAU SOEUNG Y	Pacific Bell
1951	Marion Av Johnson Leonard R r	Pacific Telephone & Telegraph Co.
1942	HUTCHINSON Annette	Los Angeles Directory Co.
	Garner Clara M	Los Angeles Directory Co.
1937	STONE Wm P Frances cook	Los Angeles Directory Co.
1933	BROWN Jean slswn	Los Angeles Directory Co.
1929	Petrowske Caroline L clk	Los Angeles Directory Co.
1924	Silverman Henry h	Los Angeles Directory Co.

1132 MARION AVE

Year	Uses	Source
1990	CHAU THANG YONG	Pacific Bell
1986	CHAU THANG YONG	Pacific Bell
1981	RODRIGUEZ RUBEN R	Pacific Telephone
1937	COCHRAN Geo R	Los Angeles Directory Co.
1929	COCHRAN Geo R Marie C	Los Angeles Directory Co.
1924	COCHRAN Geo h	Los Angeles Directory Co.

1135 MARION AVE

Year	Uses	Source
1951	Marion Av Rice Lloyd J r	Pacific Telephone & Telegraph Co.
1937	Thicston Frances wid Wm	Los Angeles Directory Co.
	Thicston Lewis clk	Los Angeles Directory Co.
1929	Hume Geo H	Los Angeles Directory Co.

1137 MARION AVE

Year	Uses	Source
2000	PEREZ Angeles	Haines & Company

Year	Uses	Source
1951	Marion Av Jensen Anna	Pacific Telephone & Telegraph Co.
1937	SCOTT Helen sten	Los Angeles Directory Co.
1924	Mc Broom Lance L slsmn Colladay & Co r	Los Angeles Directory Co.

1139 MARION AVE

Year	Uses	Source
2006	GRACIELAA	Haines Company, Inc.
1990	SOV SOK	Pacific Bell
1986	EAR EM	Pacific Bell
1942	Lindstrom Rose E Mrs typist CDPA	Los Angeles Directory Co.
1937	WHITNEY Lee R printer T mes Mirror Ptg & Bndg House	Los Angeles Directory Co.
1933	Hanks Ray bondsmn Equitable Bail Bond Co	Los Angeles Directory Co.
1929	Lutton John Anna	Los Angeles Directory Co.

1141 MARION AVE

Year	Uses	Source
2006	GARCIAGradela	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	LUONG ANH MGOC	Pacific Bell
1986	LUONG ANH MGOC	Pacific Bell
1981	ROMAN	Pacific Telephone
1937	Powell Jas Julia	Los Angeles Directory Co.
1929	KIRBY Geo H Ada plmbr	Los Angeles Directory Co.

1143 MARION AVE

Year	Uses	Source
2007	ENVIO EXPRESS	Cole Information Services
2006	LIMAMiguel	Haines Company, Inc.
1942	Lappin Sadle Mrs	Los Angeles Directory Co.
	Lappin Maurice H clk	Los Angeles Directory Co.
1937	Bouwerman Robt H Edna	Los Angeles Directory Co.
1933	LEE Jos Julia copyist Co Recorder	Los Angeles Directory Co.
1929	LEE Julia typist Co Recorder	Los Angeles Directory Co.

1145 MARION AVE

Year	Uses	Source
2006	AVILALUz	Haines Company, Inc.
2000	XXXX	Haines & Company
1990	YORT THOY	Pacific Bell

FINDINGS

Year	Uses	Source
1986	HAM NGOAN CHHUN	Pacific Bell
1937	Barnfield Ruth L Mrs clk	Los Angeles Directory Co.
1929	Gillar Elsie bkpr	Los Angeles Directory Co.
	Gillar Louise sten	Los Angeles Directory Co.
	Gilliard Louise clk ST&S Bank	Los Angeles Directory Co.

1147 MARION AVE

Year	Uses	Source
2000	XXXX	Haines & Company
1990	EAV JOE	Pacific Bell
1986	EAR TECH BUN	Pacific Bell
1981	DIAZ ISIDORO C	Pacific Telephone
1951	Marion Av Wakefield Ida Marie r	Pacific Telephone & Telegraph Co.
1929	Whittle Irving W eng r	Los Angeles Directory Co.

1149 MARION AVE

Year	Uses	Source
2007	ODA ENTERPRISES	Cole Information Services
1990	ESPINOZA GUS	Pacific Bell
1986	ESPINOZA GUS	Pacific Bell
1981	VAZQUEZ JOSE LUIS	Pacific Telephone
1976	Perez Maria Galeana	Pacific Telephone
1951	Marion Hewus Martin r	Pacific Telephone & Telegraph Co.
1942	Dagort Anna Mrs	Los Angeles Directory Co.
1937	Harvey Ethel E	Los Angeles Directory Co.
1929	HARTMAN Leo Cornelia	Los Angeles Directory Co.

1151 MARION AVE

Year	Uses	Source
2000	MARTINEZ Juan A	Haines & Company
1976	Gomez Eva	Pacific Telephone
1951	Marion Av Arnold Margaret Mrs r	Pacific Telephone & Telegraph Co.

1153 MARION AVE

Year	Uses	Source
2006	OCOMPOTomas	Haines Company, Inc.
2000	MORALES Angelina P	Haines & Company
	BUS 27 RES 13 NEW	Haines & Company
1986	OU TONG KEANG	Pacific Bell
1981	JIMENEZ JOSE VALLE	Pacific Telephone

Year	Uses	Source
1951	Marion Av Vega Margaret r	Pacific Telephone & Telegraph Co.
1942	Mesirow Stanley Jean slsmn	Los Angeles Directory Co.
1937	Pasarelli J R	Los Angeles Directory Co.
	Passarella Ruth E waiter	Los Angeles Directory Co.
1929	JONES Lillian R sten	Los Angeles Directory Co.

MARVIEW

901 MARVIEW

Year	Uses	Source
1962	Aragon Luis	Pacific Telephone
1958	Zugsmith R C	Pacific Telephone

902 MARVIEW

Year	Uses	Source
1967	Huie Frank	Pacific Telephone
	Chan David H	Pacific Telephone
	Wehb Clara Mrs	Pacific Telephone
1962	Huie Frank	Pacific Telephone
	Ige Betty Y	Pacific Telephone
	Webb A R	Pacific Telephone
	Webb Clara Mrs	Pacific Telephone
1958	Valparaiso David G	Pacific Telephone
	Taren Clara Mrs	Pacific Telephone

907 MARVIEW

Year	Uses	Source
1958	Vuyovich John	Pacific Telephone
1937	KLEIN Morris Rose	Los Angeles Directory Co.

MARVIEW AVE

901 MARVIEW AVE

Year	Uses	Source
2006	o Ll So	Haines Company, Inc.
2000	TOM Wai	Haines & Company
1942	ROACH Henry aircrttwkr	Los Angeles Directory Co.
	ROACH Michl mech	Los Angeles Directory Co.
1937	Van Rensselaer Chas Gesina lab Bd of Educ	Los Angeles Directory Co.

Year	Uses	Source
1933	Van Rensselaer Chas Gesiena mech City Bd of Edua	Los Angeles Directory Co.
1929	Van Rensselaer Chas plmbr h	Los Angeles Directory Co.
1924	Van Rensselaer Chas plumber h	Los Angeles Directory Co.

902 MARVIEW AVE

Year	Uses	Source
2006	HUANGGuo Fu	Haines Company, Inc.
	HUANGZe Wei	Haines Company, Inc.
	PRAKSaven	Haines Company, Inc.
2000	PRAK Saven	Haines & Company
	ZUCKERMAN Don	Haines & Company

903 MARVIEW AVE

Year	Uses	Source
2006	TANG Zhu Wen	Haines Company, Inc.
2000	XXXX	Haines & Company

905 MARVIEW AVE

Year	Uses	Source
2006	LAU Wai Kin	Haines Company, Inc.
2000	DEVIRGILIO Joe	Haines & Company

907 MARVIEW AVE

Year	Uses	Source
2000	LIU Qiaoning Xu	Haines & Company

N BOYLSTON

611 1/2 N BOYLSTON

Year	Uses	Source
1981	AYLLON TERLINDA	Pacific Telephone

611 1/4 N BOYLSTON

Year	Uses	Source
1981	ERNEST	Pacific Telephone

615 N BOYLSTON

Year	Uses	Source
1990	TRAN THANH XUYEN	Pacific Bell
1986	LUU DO TRACH	Pacific Bell

Year	Uses	Source
1981	LEE JULIE	Pacific Telephone

616 N BOYLSTON

Year	Uses	Source
1990	TON KHON	Pacific Bell
	PHAM CAMHUE T	Pacific Bell
	ONG NHEP	Pacific Bell
	KONG PING CHING	Pacific Bell
1986	LY VAN KHAI	Pacific Bell
	LUU KHOUNG VAN	Pacific Bell
	LAM CHIN TAK	Pacific Bell
	KONG PING CHING	Pacific Bell
1981	TALLMAN STERLING	Pacific Telephone
	HAO FENG-YING	Pacific Telephone
	KONG PING CHING	Pacific Telephone
	DOWNS M M	Pacific Telephone
	DONG MANH	Pacific Telephone
1967	Rivera Albert	Pacific Telephone
	Oulund Hilmar J	Pacific Telephone
	Murphy Thos E	Pacific Telephone
	Land Leon L	Pacific Telephone
	Gooley Leonie Mrs	Pacific Telephone
	Gellis Leon	Pacific Telephone

617 N BOYLSTON

Year	Uses	Source
1981	TRAN QUANG MINH	Pacific Telephone

623 N BOYLSTON

Year	Uses	Source
1990	SZETO SIK	Pacific Bell
1986	SZETO SIK	Pacific Bell
1967	Varela Saml G	Pacific Telephone

627 N BOYLSTON

Year	Uses	Source
1981	RUIZ CARLOS	Pacific Telephone
1967	Mork Carol	Pacific Telephone
	Liu Mo Fun	Pacific Telephone

FINDINGS

627 1/4 N BOYLSTON

Year	Uses	Source
1986	TSOI CHAN COOC	Pacific Bell

627 3/4 N BOYLSTON

Year	Uses	Source
1990	HENG ANG	Pacific Bell
1986	TRAN LAM DOY	Pacific Bell
1981	HERSH MORRIS M	Pacific Telephone

629 N BOYLSTON

Year	Uses	Source
1990	NGUYEN LY	Pacific Bell
1986	PHUNG HOANG NHI T	Pacific Bell
1967	Nussbaum Hannah Miss	Pacific Telephone
	Strauser Roy B	Pacific Telephone
1933	SAUNDERS Wm C Frances chauf	Los Angeles Directory Co.

629 1/4 N BOYLSTON

Year	Uses	Source
1990	QUACH FUONG DUC	Pacific Bell
1986	QUACH FUONG DUC	Pacific Bell

629 3/4 N BOYLSTON

Year	Uses	Source
1986	HONG LEE HOAC HOANG	Pacific Bell
1981	QUACH LAN T	Pacific Telephone

629 7/8 N BOYLSTON

Year	Uses	Source
1990	SALDANA RAQUEL	Pacific Bell
1986	SALDANA RAQUEL	Pacific Bell
1981	SALDANA RAQUEL	Pacific Telephone

633 N BOYLSTON

Year	Uses	Source
1986	LE CAU	Pacific Bell
1981	KAM WING CHUN	Pacific Telephone

635 N BOYLSTON

Year	Uses	Source
1981	DEN LEE CHIN HUI	Pacific Telephone

Year	Uses	Source
1967	Gama J	Pacific Telephone

639 N BOYLSTON

Year	Uses	Source
1967	Cohan Harry M	Pacific Telephone

641 N BOYLSTON

Year	Uses	Source
1986	GAMA J	Pacific Bell
1981	GAMA J	Pacific Telephone
1967	Young Ruth O Miss	Pacific Telephone

N BOYLSTON AVE

629 N BOYLSTON AVE

Year	Uses	Source
1933	Dresch Theo asst mgr State of Calif Blind made Products	Los Angeles Directory Co.
	Barnett Chas D	Los Angeles Directory Co.
1929	WRIGHT Monieary cracker pkr r	Los Angeles Directory Co.

N BOYLSTON ST

11 N BOYLSTON ST

Year	Uses	Source
2006	GONZALEZAmnparo	Haines Company, Inc.

615 N BOYLSTON ST

Year	Uses	Source
1976	Lee Julie	Pacific Telephone
1942	WEBER Henry W Edna elev dir	Los Angeles Directory Co.
1937	WEBER Henry Edna elev opr	Los Angeles Directory Co.
1933	WEBER Henry elev dir	Los Angeles Directory Co.
1924	HARTZELL Virginia C Mrs h	Los Angeles Directory Co.
	HARTZELL Georgia E teller First Natl Bank r	Los Angeles Directory Co.

616 N BOYLSTON ST

Year	Uses	Source
2006	CHENGJohn Tung	Haines Company, Inc.
	NG Hok Kan	Haines Company, Inc.

FINDINGS

Year	Uses	Source
2006	SAKPHAYANAKam	Haines Company, Inc.
1976	Downs M M	Pacific Telephone
	Chow Way Sack	Pacific Telephone
1958	ONeal Jas A	Pacific Telephone
	Todd Clyde	Pacific Telephone
	Komer Richard L	Pacific Telephone

617 N BOYLSTON ST

Year	Uses	Source
1958	Colby Geraldine E	Pacific Telephone
	Schoenstein Frances	Pacific Telephone
1942	De Avis Ruby clk	Los Angeles Directory Co.
1937	De Avis Ruby Mrs	Los Angeles Directory Co.
1933	Deavis Rubiy	Los Angeles Directory Co.
	Dilton E J Mrs	Los Angeles Directory Co.
1929	TIPTON Will S Ida Tipton & Cailor h	Los Angeles Directory Co.
1924	TIPTON Will S Tipton & Cailor h	Los Angeles Directory Co.

619 N BOYLSTON ST

Year	Uses	Source
2006	o LOVMeng Tiar	Haines Company, Inc.
1958	Kazen Ginger M	Pacific Telephone
1942	COLE John Ruby	Los Angeles Directory Co.
	Monteverde Henry Anita elev opr	Los Angeles Directory Co.
1937	HANSEN Arth C Ethel slsmn	Los Angeles Directory Co.
1933	Hensen Arth C Ethel slsmn	Los Angeles Directory Co.
1924	COWAN Saml h	Los Angeles Directory Co.

622 N BOYLSTON ST

Year	Uses	Source
1937	Wattles Gurdon H Margt rodmn Bd of Educ	Los Angeles Directory Co.

623 N BOYLSTON ST

Year	Uses	Source
2006	CARLOSJuan	Haines Company, Inc.
	ROMERO Angel	Haines Company, Inc.
1976	Szeto Sik	Pacific Telephone
1937	COLE Ira Iris bkpr	Los Angeles Directory Co.
	WOODWARD Belle E Mrs slswn	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	COLE Iris bkpr	Los Angeles Directory Co.
1924	LYONS Gerold h	Los Angeles Directory Co.
	Hinde Sadie r	Los Angeles Directory Co.

624 N BOYLSTON ST

Year	Uses	Source
1942	Covarrubias Juan cook	Los Angeles Directory Co.
	FISH Claude Marie lab	Los Angeles Directory Co.
	Douglas John	Los Angeles Directory Co.

626 N BOYLSTON ST

Year	Uses	Source
1942	SAMUELS David S Rosa B mtrmn	Los Angeles Directory Co.
1937	Samuels David S Rosa cond	Los Angeles Directory Co.
	ZIMMERMAN Wm Marie	Los Angeles Directory Co.

627 N BOYLSTON ST

Year	Uses	Source
2006	DIEC Mirnh Cam	Haines Company, Inc.
1976	Hersh Morris M	Pacific Telephone
	Prayonsirisak Udom	Pacific Telephone
1958	Chao Calvin Rev	Pacific Telephone
	Liu Mo Fun	Pacific Telephone
1942	Chiappetta Albt mach	Los Angeles Directory Co.
	Chiappetta Marcella	Los Angeles Directory Co.
	LEE Wm E Anna	Los Angeles Directory Co.
	MAY Vance clk Co Assessor	Los Angeles Directory Co.
	MELLEN Wesley Lucile musician	Los Angeles Directory Co.
1937	Bertini Albt Vera pntr	Los Angeles Directory Co.
	Kazleak Lena Mrs cook	Los Angeles Directory Co.
	LEE Wm Y Ann	Los Angeles Directory Co.
1933	Ahlstrom Anna	Los Angeles Directory Co.
	Ahlstrom John	Los Angeles Directory Co.
	Jackson Anthony M Louise	Los Angeles Directory Co.
	SANDERSON Owen Janett electn	Los Angeles Directory Co.
	Santee Floyd G dep State Div of Labor Statistics	Los Angeles Directory Co.
	Turk Eleanor M slswn	Los Angeles Directory Co.
1929	BUNTON Anna Mrs slsldy	Los Angeles Directory Co.
	BUNTON Harry H musician	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Costigan Honore social wkr Co Charities	Los Angeles Directory Co.
	Fifield Mary L wid W J	Los Angeles Directory Co.
	Howley Mary A Mrs sten	Los Angeles Directory Co.
	Venoni Chas lab h	Los Angeles Directory Co.

629 N BOYLSTON ST

Year	Uses	Source
2006	DELATORREAnt Iolino	Haines Company, Inc.
1976	Ramirez Rafael C	Pacific Telephone
	Chu Muon	Pacific Telephone
1958	Strauser Roy B	Pacific Telephone
	Leonard R Marie	Pacific Telephone
1942	Strauser Roy B batterymn	Los Angeles Directory Co.
	Bennett Mae wid Herbt	Los Angeles Directory Co.
	Oakley Geo Mollie mech	Los Angeles Directory Co.
	Oakley Irene M sec Harold Riches	Los Angeles Directory Co.
1937	DAVIES Evelyn M Mrs	Los Angeles Directory Co.
	Montag Gustave Esther jwlr	Los Angeles Directory Co.
1933	SULLIVAN Florence Ida	Los Angeles Directory Co.
	Dresch Stewart L Janet mgr State of Calif Blindmade Products	Los Angeles Directory Co.
	DIXON Grace B with L A Community Welfare Federation	Los Angeles Directory Co.
1929	h	Los Angeles Directory Co.
	Stankovic Martin N Florence barber	Los Angeles Directory Co.
	RICHARDSON Chas J Marie L eng h	Los Angeles Directory Co.
	Condren Geo F police	Los Angeles Directory Co.
	BREWER Bert C police	Los Angeles Directory Co.
1924	BRINK Thos J h	Los Angeles Directory Co.

633 N BOYLSTON ST

Year	Uses	Source
2006	BJOE Dylan	Haines Company, Inc.
	LIAOWei	Haines Company, Inc.
1958	Rodriguez Robt	Pacific Telephone
1942	CURTIS Geo W Wilma	Los Angeles Directory Co.
1937	Mc Abee Eleanor clk	Los Angeles Directory Co.
	HERBERT Eleanor A clk	Los Angeles Directory Co.
1933	PATTERSON Marie waiter	Los Angeles Directory Co.
1929	PATTERSON Augusta M	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Patashink Theo r	Los Angeles Directory Co.
	Patashink Meyer tel r	Los Angeles Directory Co.
	Patashink F Mrs h	Los Angeles Directory Co.

635 N BOYLSTON ST

Year	Uses	Source
1942	MILLER Maxine clk	Los Angeles Directory Co.
	MILLER Wayman meatctr	Los Angeles Directory Co.
1937	Miranda Lupe A Mrs	Los Angeles Directory Co.
1933	CLAUSSEN Fred R Edna printer	Los Angeles Directory Co.
1929	Kohanover Albt Ruth E pdlr	Los Angeles Directory Co.
1924	DRENNAN Minnie Mrs seam r	Los Angeles Directory Co.
	Gialand Guy F clk h	Los Angeles Directory Co.
	Kohanover Albt h	Los Angeles Directory Co.
	Kohanover Ruth E slswmn r	Los Angeles Directory Co.

637 N BOYLSTON ST

Year	Uses	Source
1958	Burrows Raymond K	Pacific Telephone
1942	BRADLEY Jewel clk	Los Angeles Directory Co.
1937	ORTEGA Teresa Mrs fctywkr	Los Angeles Directory Co.
	Loos Gerda E sten Bank of Am	Los Angeles Directory Co.
1933	Stockton Dorothy	Los Angeles Directory Co.
1929	Putman O L h	Los Angeles Directory Co.
1924	Lotto Martin archt r	Los Angeles Directory Co.
	Lotto Minerva R slswmn r	Los Angeles Directory Co.
	Lotto Esther wid J M h	Los Angeles Directory Co.
	Lotto Gertrude steno r	Los Angeles Directory Co.

639 N BOYLSTON ST

Year	Uses	Source
1976	Perez Olda A	Pacific Telephone
1958	White Rose	Pacific Telephone
1942	Giglio Nick Josephine auto pk atdt	Los Angeles Directory Co.
1937	MORSE M H	Los Angeles Directory Co.
	Lansing Jessie H Mrs	Los Angeles Directory Co.
1933	Strang Albt G embalmer	Los Angeles Directory Co.
1929	LITTLEFIELD Lucy clk	Los Angeles Directory Co.
	Littlefield Ellen wid Arth	Los Angeles Directory Co.

FINDINGS

641 N BOYLSTON ST

Year	Uses	Source
1976	Gama J	Pacific Telephone
1958	Ornelas Ramona	Pacific Telephone
1937	PATTERSON Augusta M Mrs	Los Angeles Directory Co.
1933	Wiemer Martha cook	Los Angeles Directory Co.
1924	WHITE Ruth C proofrdr	Los Angeles Directory Co.
	WHITE Genevieve nurse r	Los Angeles Directory Co.
	WHITE Mary L proof rdr h	Los Angeles Directory Co.

685 N BOYLSTON ST

Year	Uses	Source
1933	Lotto Martin slsmn	Los Angeles Directory Co.

699 N BOYLSTON ST

Year	Uses	Source
1937	Strauser Boy B Daisy auto mech	Los Angeles Directory Co.

S EVERETT ST

938 S EVERETT ST

Year	Uses	Source
1958	Enriquez Gabriel	Pacific Telephone

S SUNSET BLVD

1202 S SUNSET BLVD

Year	Uses	Source
1950	BOONE RALPH W PLMBNG CONTR	Pacific Telephone

1207 S SUNSET BLVD

Year	Uses	Source
1950	STRONG ROBT D R	Pacific Telephone

1208 S SUNSET BLVD

Year	Uses	Source
1950	BRENNER B F R	Pacific Telephone

1217 S SUNSET BLVD

Year	Uses	Source
1950	DE LAUTRE J W PLASTRNG	Pacific Telephone

FINDINGS

SUNSET BLVD

1200 SUNSET BLVD

Year	Uses	Source
1929	Syfret Mary L sten r	Los Angeles Directory Co.

1202 SUNSET BLVD

Year	Uses	Source
1942	JONES Mary Mrs	Los Angeles Directory Co.
	Walsh Wm H Stella M inspr City Health Dept	Los Angeles Directory Co.
1937	Selly R J	Los Angeles Directory Co.
	Brunson Lillian M beauty Shop	Los Angeles Directory Co.
1933	LITTLE Chas H hsemn	Los Angeles Directory Co.
1929	Strauser Ray B Daisy mech h	Los Angeles Directory Co.
	ROTH Leta beauty parlor	Los Angeles Directory Co.
	Littler Jas P May masseur	Los Angeles Directory Co.
1924	OBrien Mary photo player h	Los Angeles Directory Co.
	LAMB Carl A slsmn r	Los Angeles Directory Co.
	LAMB Ethel M r	Los Angeles Directory Co.
	Obert John F h	Los Angeles Directory Co.
	OBrien Emma r	Los Angeles Directory Co.
	Obert Lonnie L Mrs r	Los Angeles Directory Co.

1204 SUNSET BLVD

Year	Uses	Source
1942	Dorsa Ray Irma crmrywkr	Los Angeles Directory Co.
	Henkin Morris Fredie clo prsr	Los Angeles Directory Co.
1937	BOYD Fred L May C slsmn	Los Angeles Directory Co.
	Dorsa Ray Irma emp Phillips Poultry Co	Los Angeles Directory Co.
1933	Dorsa Raymond clk	Los Angeles Directory Co.
	HUDSON Geo M Donna pharm Theo Eulenberg	Los Angeles Directory Co.
	HUGHES Betty clk	Los Angeles Directory Co.
1929	Broad Chas transfer	Los Angeles Directory Co.
	JENSEN Iven Edith carp	Los Angeles Directory Co.
	RILEY Elsie P clk h	Los Angeles Directory Co.
	ELLIOTT Thos C clo clnr	Los Angeles Directory Co.
1924	Cunard Blanche actress h	Los Angeles Directory Co.
	Cunard Dolly actress r	Los Angeles Directory Co.
	Fesler Mary A h	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	HOUSTON Oliver factory wkr r	Los Angeles Directory Co.
	MOORE Hubert brklyr r	Los Angeles Directory Co.
	Rader Mae E typist dept Pub service r	Los Angeles Directory Co.

1206 SUNSET BLVD

Year	Uses	Source
1942	Gomez Jennie D	Los Angeles Directory Co.
	GOMEZ Roy H Laura cook	Los Angeles Directory Co.
1937	Fernando Julia	Los Angeles Directory Co.
	Topping Stella S Mrs	Los Angeles Directory Co.
1933	Boudreau Jos A Mary E teleg opr	Los Angeles Directory Co.
	Trester Phyllis M Mrs sten	Los Angeles Directory Co.
1929	Del Monte John Rosa eng	Los Angeles Directory Co.
	Markley Edw M Ella slsmn W H Perry	Los Angeles Directory Co.
	Markley John C slsmn	Los Angeles Directory Co.
	Van Esh Wm actor h	Los Angeles Directory Co.
1924	CRAIG Claire F Mrs r	Los Angeles Directory Co.
	CRAIG Jas J slsmn h	Los Angeles Directory Co.
	KELLEY Florence C Mrs r	Los Angeles Directory Co.
	KELLY Bernard J slsmn h	Los Angeles Directory Co.
	KELLY Florence C tchr r	Los Angeles Directory Co.

1208 SUNSET BLVD

Year	Uses	Source
1942	Lasken Melvin	Los Angeles Directory Co.
	Bray Claude H Nellie pntr	Los Angeles Directory Co.
	BELL Howard G shtmtlwkr	Los Angeles Directory Co.
1929	SMITH Phoebe wid W T h	Los Angeles Directory Co.
	SMITH Goodnow W clk r	Los Angeles Directory Co.
	Moris Harry G porter	Los Angeles Directory Co.
	Caraher Manuel Margt	Los Angeles Directory Co.
1924	Mason Fred civ eng h	Los Angeles Directory Co.
	Mason Frances D clk r	Los Angeles Directory Co.
	Lively Lillie F steno r	Los Angeles Directory Co.
	Lively Lawrence clk r	Los Angeles Directory Co.
	Groanlock Russell auto opr r	Los Angeles Directory Co.
	h	Los Angeles Directory Co.

FINDINGS

1210 SUNSET BLVD

Year	Uses	Source
1942	SCOTT Jas D jr Jewel aircrftwkr	Los Angeles Directory Co.
	Pritchett Robt J msngr	Los Angeles Directory Co.
	KENT Helen Mrs	Los Angeles Directory Co.
	Goodknight Glenn H Mary shtmtlwkr	Los Angeles Directory Co.
1937	THOMPSON Ruby Mrs	Los Angeles Directory Co.
	KAUFFMAN Kenneth Ruby clk	Los Angeles Directory Co.
	Gibson Eunice waiter	Los Angeles Directory Co.
1929	h	Los Angeles Directory Co.
	Wyant Warren R Marie photog	Los Angeles Directory Co.
	TAYLOR Otis T carp h	Los Angeles Directory Co.
	Nefziger Floyd C carp	Los Angeles Directory Co.
	Hubbell Chas L musician	Los Angeles Directory Co.
	Baith Leonard J	Los Angeles Directory Co.
	Wyant Wm R h	Los Angeles Directory Co.
1924	Voisin Henry decorator r	Los Angeles Directory Co.
	Voisin Alice r	Los Angeles Directory Co.
	SULLIVAN Vio a telep opr r	Los Angeles Directory Co.
	Sheahan Nell wid Patk h	Los Angeles Directory Co.
	Schunk Pauline nurse r	Los Angeles Directory Co.
	Ludlow Hayward optom r	Los Angeles Directory Co.
	JACKSON Violet nurse r	Los Angeles Directory Co.
	JACKSON Myrtle steno r	Los Angeles Directory Co.
	Felenberger Mary Mrs r	Los Angeles Directory Co.
	Felenberger Jos glass wkr h	Los Angeles Directory Co.
	BLACK Stanley W optom r	Los Angeles Directory Co.

SUNSET BLVD W

1161 SUNSET BLVD W

Year	Uses	Source
2000	SUN LIQUOR & MINI MART	Haines & Company

1164 SUNSET BLVD W

Year	Uses	Source
2000	CHOW Way	Haines & Company

FINDINGS

1165 SUNSET BLVD W

Year	Uses	Source
2000	SENG AUTO REPAIR	Haines & Company

1166 SUNSET BLVD W

Year	Uses	Source
2000	XXXX	Haines & Company

1176 SUNSET BLVD W

Year	Uses	Source
2000	A W INSURACE SERVICES	Haines & Company
	C KINC	Haines & Company

1186 SUNSET BLVD W

Year	Uses	Source
2000	ORDYNSKY Viacheslav	Haines & Company

1190 SUNSET BLVD W

Year	Uses	Source
2000	PHUNG Steven	Haines & Company
	HUYNH Bich Phuong	Haines & Company
	WEALTH CODE	Haines & Company

1202 SUNSET BLVD W

Year	Uses	Source
2000	a 1/2 CHANG Yikkek	Haines & Company
	WANG Jin	Haines & Company
	LIM Eng Ngech	Haines & Company
1951	W Sunset Triana Ignacio F r	Pacific Telephone & Telegraph Co.
	W Sunst Bl Schneiderman Saml r	Pacific Telephone & Telegraph Co.

1204 SUNSET BLVD W

Year	Uses	Source
2000	a 1/2 LIM Chu	Haines & Company

1206 SUNSET BLVD W

Year	Uses	Source
2000	a 1/2 CANALES Jose Antonio	Haines & Company
	WANG Jin	Haines & Company
1951	W Sunset Perales Jeannie D r	Pacific Telephone & Telegraph Co.
	W Sunset Haley F W r	Pacific Telephone & Telegraph Co.

FINDINGS

1208 SUNSET BLVD W

Year	Uses	Source
2000	a 1/2 HO Yu Ough	Haines & Company
1951	W Sunset Herrera Michael Mrs r	Pacific Telephone & Telegraph Co.

1210 SUNSET BLVD W

Year	Uses	Source
2000	WANS Jin	Haines & Company
1951	Sunset Roof Ralph K r	Pacific Telephone & Telegraph Co.
	W Sunst Bl Travis Nellie r	Pacific Telephone & Telegraph Co.

SUNVUE PL

1165 SUNVUE PL

Year	Uses	Source
1990	LIM KEANG AY	Pacific Bell
1986	SMITH GRAHAM O	Pacific Bell
1981	SMITH GRAHAM O	Pacific Telephone

W SUNSET

1161 W SUNSET

Year	Uses	Source
1958	Sunset Drive In Mkt	Pacific Telephone

W SUNSET BLVD

1161 W SUNSET BLVD

Year	Uses	Source
1990	LIM S LIQUOR	Pacific Bell
1986	LIM S LIQUOR	Pacific Bell
1981	SUNSET DRIVE IN MKT	Pacific Telephone
1976	Sunset Drive In Mkt	Pacific Telephone
1971	Sunset Drive In Mkt	Pacific Telephone
1967	Sunset Drive In Mkt	Pacific Telephone
1962	Sunset Drive In Mkt	Pacific Telephone

1164 W SUNSET BLVD

Year	Uses	Source
1962	Morgan Ernest P atty	Pacific Telephone
1958	Morgan Ernest P atty	Pacific Telephone

Year	Uses	Source
1958	Okamoto K Eugene	Pacific Telephone

1165 W SUNSET BLVD

Year	Uses	Source
2012	SENG AUTO REPAIR	Cole Information Services
2007	SENG AUTO REPAIR	Cole Information Services
2006	SENG AUTO REPAIR	Haines Company, Inc.
1990	SENG AUTO REPAIR	Pacific Bell
1986	SENG AUTO REPAIR	Pacific Bell
1981	FRANK S GARAGE & SERVICE STN	Pacific Telephone
1976	FRANKS GARAGE & SERVICE STN	Pacific Telephone
1971	FRANKS GARAGE & SERVICE STN	Pacific Telephone
1967	FRANKS GARAGE & SERVY STN	Pacific Telephone
1962	Franks Garage & Serv Stn	Pacific Telephone
1958	Franks Garage & Suer Sto	Pacific Telephone

1166 W SUNSET BLVD

Year	Uses	Source
2006	LAJETU LIMOUSINE	Haines Company, Inc.
	SERVICES	Haines Company, Inc.
1990	SHIRLEY S DRESS CO	Pacific Bell
1986	SHIRLEY S DRESS CO	Pacific Bell
1981	SHIRLEY S DRESS CO	Pacific Telephone
1976	S & L Garments	Pacific Telephone

1172 1/2 W SUNSET BLVD

Year	Uses	Source
1981	MADRID RESTAURANT	Pacific Telephone

1176 W SUNSET BLVD

Year	Uses	Source
2006	MAN FUNG	Haines Company, Inc.
	INTERNATIONAL INC	Haines Company, Inc.
	AWINSURANCE	Haines Company, Inc.

1186 W SUNSET BLVD

Year	Uses	Source
2006	LAW OFFICES	Haines Company, Inc.
	LOPEZ MANUEL	Haines Company, Inc.
	BELTRANElizabeth	Haines Company, Inc.

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Year	Uses	Source
1990	ORDYNSKY VIACHESLAV CLASSICAL PIANO SCHL	Pacific Bell
1986	ORDYNSKY VIACHESLAV CLASSICAL PIANO SCHL	Pacific Bell
1981	ORDYNSKY VIACHESLAV CLASSICAL PIANO SCHL	Pacific Telephone
1976	Ordynsky Viacheslav classical piano schl	Pacific Telephone
1971	ORDYNSKY VIACHESLAV classical piano schl	Pacific Telephone
1967	Ordynsky Viacheslav classical plano schl	Pacific Telephone

1190 W SUNSET BLVD

Year	Uses	Source
2006	A PEKoy	Haines Company, Inc.
	PHANDieu	Haines Company, Inc.
1971	Alemany Marie de E	Pacific Telephone
1967	Alemany Marie de E	Pacific Telephone
1962	Alemany Marie de E	Pacific Telephone
1958	Alemany Marie de E	Pacific Telephone
	Howard Richard G	Pacific Telephone

1202 W SUNSET BLVD

Year	Uses	Source
2007	JEWELRY & REPAIR	Cole Information Services
2006	CHANGYikkek	Haines Company, Inc.
	LIM Eng Ngech	Haines Company, Inc.
1990	LIM ENG NGECH	Pacific Bell
	KET CHAK	Pacific Bell
1976	Arias Margarito	Pacific Telephone
	Valencia Roberto	Pacific Telephone
1971	Acosta Jacinto	Pacific Telephone
1967	Acosta Jacinto M	Pacific Telephone
1962	Delgado Candelario	Pacific Telephone
1958	Schneiderman Saml	Pacific Telephone

1202 1/2 W SUNSET BLVD

Year	Uses	Source
1986	LIM ENG NGECH	Pacific Bell
1981	CONG HIEN QUL	Pacific Telephone

FINDINGS

1204 W SUNSET BLVD

Year	Uses	Source
1990	UNG PUY	Pacific Bell
1986	CHOUR NHET	Pacific Bell
1981	VALDEZ JOSE MARIA	Pacific Telephone
1976	Douglas Clifford atty	Pacific Telephone
1971	Ontiveros Paz	Pacific Telephone
1958	Beas Isauro	Pacific Telephone

1206 W SUNSET BLVD

Year	Uses	Source
2006	Antonio	Haines Company, Inc.
	RAMIREZOnohre	Haines Company, Inc.
	CANALESJose	Haines Company, Inc.
1981	BERNAL ROSA	Pacific Telephone
1976	Gomez Jeannie D	Pacific Telephone
1971	Perales Jeannie C	Pacific Telephone
	Alvarez Edw M	Pacific Telephone
1967	Perales Jeannie D	Pacific Telephone
	Alvarez Edw M	Pacific Telephone
1962	Perales Jeannie D	Pacific Telephone
	Duarte Oscar E	Pacific Telephone
1958	Perales Jeannie D	Pacific Telephone

1206 1/2 W SUNSET BLVD

Year	Uses	Source
1986	GE PAN JOE	Pacific Bell
1981	GE PAN JOE	Pacific Telephone

1208 W SUNSET BLVD

Year	Uses	Source
2006	o HOYu Ough	Haines Company, Inc.
1976	Neri Agustin	Pacific Telephone
1962	Correa Carlos	Pacific Telephone
1958	Correa Carlos	Pacific Telephone
	Villalobos A S	Pacific Telephone

1208 1/2 W SUNSET BLVD

Year	Uses	Source
1990	PAUM NIM	Pacific Bell
1986	SUY PHAN	Pacific Bell

FINDINGS

1210 W SUNSET BLVD

Year	Uses	Source
2006	LEMUS Ana	Haines Company, Inc.
	VALADEZPedro	Haines Company, Inc.
1990	SUM HORN	Pacific Bell
1986	UNG SIEN MENG	Pacific Bell
1981	RAMOS JOSE GARIBAY	Pacific Telephone
1971	Barrios Miguel C	Pacific Telephone
1962	Reyna Aurora	Pacific Telephone
1958	Travis Frank	Pacific Telephone

1210 1/2 W SUNSET BLVD

Year	Uses	Source
1990	CHIN JIM MING	Pacific Bell
1986	SUN WANG HUI	Pacific Bell

1212 W SUNSET BLVD

Year	Uses	Source
1990	HOU CHIM	Pacific Bell
1986	THI MOUL	Pacific Bell
1981	TRAN UNG XIENG	Pacific Telephone

1212 1/2 W SUNSET BLVD

Year	Uses	Source
1990	KHAO SOEUNAY	Pacific Bell
1986	KHAO SOEUNAY	Pacific Bell
1981	WANG JIN LING	Pacific Telephone

WHITE KNOLL DR

817 WHITE KNOLL DR

Year	Uses	Source
2006	CHUSL	Haines Company, Inc.
	HOUTTeang	Haines Company, Inc.
	LYSleven	Haines Company, Inc.
	PHAM Thu	Haines Company, Inc.
2000	CHIN Ling Lang	Haines & Company
	CHU S L	Haines & Company
	SOV Ronald H	Haines & Company
	YANG Tien You	Haines & Company
1990	CHU S L	Pacific Bell

FINDINGS

Year	Uses	Source
1990	UTH SAR	Pacific Bell
	YANG TIEN YOU	Pacific Bell
1986	CHU S L	Pacific Bell
	LI WEN CHEN	Pacific Bell
	TRAN KY VAN	Pacific Bell
1981	CHU S L	Pacific Telephone
	DODOC N	Pacific Telephone
	PHAN LANG NGOC	Pacific Telephone
1976	Chu S L	Pacific Telephone
	Li Eugene	Pacific Telephone
1971	Chu S L	Pacific Telephone
	Lee M	Pacific Telephone
1962	Koyama Connie	Pacific Telephone
	Koyama Raymond	Pacific Telephone
1958	Koyama Connie	Pacific Telephone
	Koyama Raymond	Pacific Telephone
1951	White Knl Dr Mueller O M Mrs r	Pacific Telephone & Telegraph Co.
1942	Karmel Luther P Rachel driver	Los Angeles Directory Co.
1933	DUNN Mary B wid C M	Los Angeles Directory Co.
1929	DUNN Mary B wid C M	Los Angeles Directory Co.

824 WHITE KNOLL DR

Year	Uses	Source
1929	BROWN Ray A gauger	Los Angeles Directory Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1185 West Sunset Boulevard	2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
11 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1110 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1111 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1112 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1113 1/2 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1113 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1115 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1116 1/2 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 3/4 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1116 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1117 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1118 1/2 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1118 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1119 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1120 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1124 1/2 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 1/4 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1124 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1124 MARION AVE	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 1/2 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1125 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1126 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1127 1/2 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1127 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1128 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1130 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1132 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1135 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1137 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1139 MARION AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1141 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 MARION AVE	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1143 MARION AVE	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1145 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1147 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1149 MARION AVE	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1151 MARION AVE	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1153 MARION AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1161 W SUNSET	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1161 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1164 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1164 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 SUNVUE PL	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1165 W SUNSET BLVD	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1166 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1172 1/2 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1176 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1176 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1186 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1190 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1200 SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 1/2 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 S SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1202 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1202 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1202 W SUNSET BLVD	2012, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1204 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1204 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 1/2 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1206 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 S SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 1/2 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1208 S SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1208 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 1/2 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
1210 SUNSET BLVD W	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 W SUNSET BLVD	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1212 1/2 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1212 W SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1217 S SUNSET BLVD	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
611 1/2 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
611 1/4 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
615 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
616 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
616 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
617 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
617 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
619 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
619 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
622 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
622 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
623 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
624 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
626 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
626 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 1/4 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 3/4 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
627 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 1/4 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 3/4 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 7/8 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
629 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 N BOYLSTON AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
629 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
633 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
633 N BOYLSTON ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
635 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
635 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
635 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
635 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
637 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
637 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
639 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
639 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
641 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
641 BOYLSTON ST N	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
641 N BOYLSTON	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
641 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
647 BOYLSTON N	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
685 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
699 N BOYLSTON ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
817 WHITE KNOLL DR	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
824 WHITE KNOLL DR	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
900 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
901 MARVIEW AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
902 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
902 MARVIEW	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
902 MARVIEW AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
903 MARVIEW AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
905 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
905 MARVIEW AVE	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
906 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 MARVIEW	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
907 MARVIEW AVE	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 3/4 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
908 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 1/4 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
910 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
910 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
912 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
916 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
917 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
917 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
919 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
920 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
920 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
921 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
921 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
923 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
924 EVERETT AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
924 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
927 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
927 EVERETT ST	2012, 2007, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
930 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
930 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
931 EVERETT AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
931 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
932 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
933 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
933 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
934 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
934 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
934 EVERETT ST	2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
935 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
935 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
936 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
937 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
937 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
938 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
938 S EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
939 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
939 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
940 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
940 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
941 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
941 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
942 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
943 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
943 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
943 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
944 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
946 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
946 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
947 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
949 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
949 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
950 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
950 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
954 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
955 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
955 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
956 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
956 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
960 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
960 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
960 EVERETT AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
960 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
965 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
965 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
966 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
966 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 1/2 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
967 EVERETT ST	2012, 2007, 2006, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
969 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
970 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
970 EVERETT AVE	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
970 EVERETT ST	2012, 2007, 2004, 2003, 2001, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
971 EVERETT	2012, 2007, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

APPENDIX D

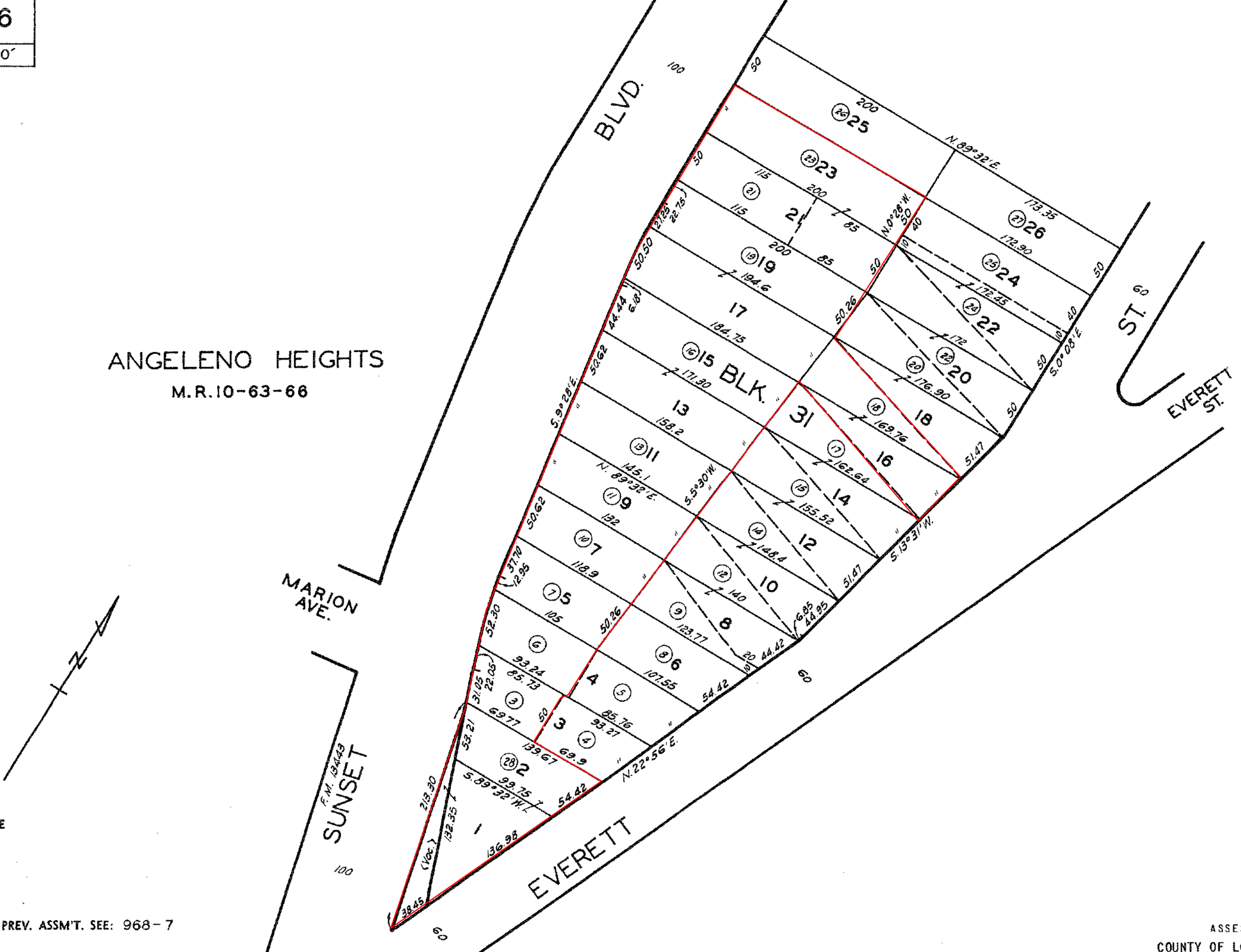
REGULATORY AGENCY RECORDS

5406	16
CALE 1" =	80'

REVISED
3-6-63
680219

ANGELENO HEIGHTS

M.R. 10-63-66

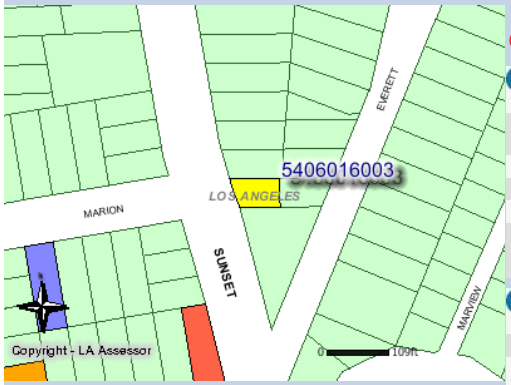


CODE
13

FOR PREV. ASSM'T. SEE: 968 - 7

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

Los Angeles County Office of the Assessor



Records for this property are kept at the West District Office
("How frequently is the information updated on this site?" and other FAQs)

Property Information

Assessor's ID No.	5406-016-003
Site Address	1197 W SUNSET BLVD LOS ANGELES CA 90012
Property Type	Commercial / Industrial
Region / Cluster	25 / 25892
Tax Rate Area (TRA)	00013

Click Here to View Assessor's Map
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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	12/11/2007
Land	$38,039
Improvements	$57,391
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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(I have a question regarding my property tax payment)
Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS LOT COM AT NW COR OF LOT 3 BLK 31 TH SE ON SW LINE OF SD LOT 53.10 FT TH N 89¢32' E 69.77 FT TH N TO N LINE OF SD LOT TH S 89¢32' W 85.73 FT TO BEG PART OF LOT 3 BLK 31

Building Description(s)

Improvement 1	
Square Footage	3,150
Year Built / Effective Year Built	1975 / 0000
Bedrooms / Bathrooms	0 / 0
Units	0

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Property Information

Assessor's ID No.	5406-016-006
Site Address	1201 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Vacant Land
Region / Cluster	25 / 25892
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$34,721
Improvements	$0
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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(I have a question regarding my property tax payment)
Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS LOT ON E LINE OF SUNSET BLVD COM AT SW COR OF LOT 4 BLK 31 TH NW ON SD E LINE 52.30 FT TH N 89¢32' E 105 FT TH S TO S LINE OF SD LOT TH S 89¢32' W 93.24 FT TO BEG PART OF LOT 4 BLK 31

Building Description(s)

No building information is available for this parcel.

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Property Information

Assessor's ID No.	5406-016-007
Site Address	1205 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	07/02/1996
Land	$145,222
Improvements	$25,926
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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Property Boundary Description

ANGELENO HEIGHTS LOT 5 BLK 31

Building Description(s)

Improvement 1	
Square Footage	858
Year Built / Effective Year Built	1922 / 1943
Bedrooms / Bathrooms	0 / 2
Units	2

Improvement 2	
Square Footage	1,600
Year Built / Effective Year Built	1922 / 1922
Bedrooms / Bathrooms	0 / 0
Units	0

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Property Information

Assessor's ID No.	5406-016-010
Site Address	1211 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$38,236
Improvements	$21,448
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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Property Boundary Description

ANGELENO HEIGHTS LOT 7 BLK 31

Building Description(s)

Improvement 1	
Square Footage	3,550
Year Built / Effective Year Built	1926 / 1926
Bedrooms / Bathrooms	0 / 0
Units	0

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Property Information

Assessor's ID No.	5406-016-011
Site Address	No Address Available
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$41,358
Improvements	$563
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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Property Boundary Description

ANGELENO HEIGHTS LOT 9 BLK 31

Building Description(s)

Improvement 1	
Square Footage	3,000
Year Built / Effective Year Built	1958 / 1958
Bedrooms / Bathrooms	0 / 0
Units	0

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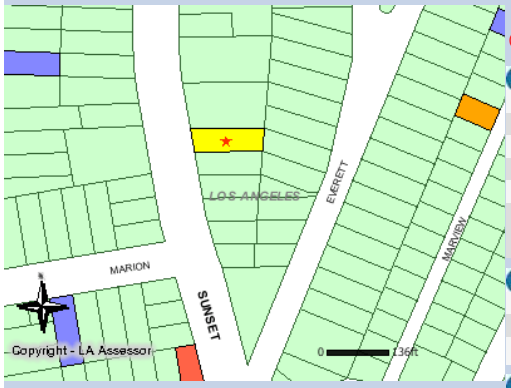

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Property Information

Assessor's ID No.	5406-016-013
Site Address	No Address Available
Property Type	Commercial / Industrial
Region / Cluster	25 / 25892
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$46,243
Improvements	$755
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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Property Boundary Description

ANGELENO HEIGHTS LOT 11 BLK 31

Building Description(s)

Improvement 1	
Square Footage	2,000
Year Built / Effective Year Built	1960 / 1960
Bedrooms / Bathrooms	0 / 0
Units	0

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Property Information

Assessor's ID No.	5406-016-016
Site Address	1229 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$104,794
Improvements	$16,956
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS LOTS 13 AND LOT 15 BLK 31

Building Description(s)

Improvement 1	
Square Footage	4,840
Year Built / Effective Year Built	1944 / 1947
Bedrooms / Bathrooms	0 / 0
Units	0

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Property Information

Assessor's ID No.	5406-016-018
Site Address	959 EVERETT ST LOS ANGELES CA 90026
Property Type	Single Family Residence
Region / Cluster	04 / 04192
Tax Rate Area (TRA)	00013

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Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$37,065
Improvements	$7,393
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

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Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS LOT ON W LINE OF EVERETT ST COM AT SE COR OF LOT 16 BLK 31 TH NW TO NW COR OF SD LOT TH N 5¢30' E 50.26 FT TO NW COR OF LOT 18 SD BLK TH ... SEE MAPBOOK FOR MISSING PORTION ... LOT 18 BLK 31

Building Description(s)

Improvement 1	
Square Footage	1,361
Year Built / Effective Year Built	1905 / 1910
Bedrooms / Bathrooms	2 / 1
Units	1

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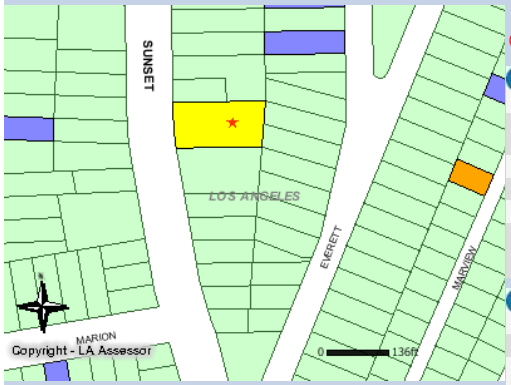
Los Angeles County Office of the Assessor



Records for this property are kept at the West District Office
("How frequently is the information updated on this site?" and other FAQs)

Property Information

Assessor's ID No.	5406-016-019
Site Address	1233 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

Click Here to View Assessor's Map
(Click Here to View Index Map)

Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$117,289
Improvements	$16,956
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

Click Here for 2012 Annual Taxes
(I have a question regarding my property tax payment)
Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS LOTS 17 AND LOT 19 BLK 31

Building Description(s)

Improvement 1	
Square Footage	4,480
Year Built / Effective Year Built	1922 / 1942
Bedrooms / Bathrooms	0 / 0
Units	0

Click Here for Another Search

Los Angeles County Office of the Assessor

Records for this property are kept at the West District Office
("How frequently is the information updated on this site?" and other FAQs)

Property Information

Assessor's ID No.	5406-016-021
Site Address	1243 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

Click Here to View Assessor's Map
(Click Here to View Index Map)

Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	11/01/2007
Land	$35,111
Improvements	$10,322
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

Click Here for 2012 Annual Taxes
(I have a question regarding my property tax payment)
Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS W 115 FT OF LOT 21 BLK 31

Building Description(s)

Improvement 1	
Square Footage	1,414
Year Built / Effective Year Built	1932 / 1950
Bedrooms / Bathrooms	0 / 0
Units	0

Click Here for Another Search

Los Angeles County
Office of the Assessor

Records for this property are kept at the West District Office
("How frequently is the information updated on this site?" and other FAQs)

Property Information

Assessor's ID No.	5406-016-023
Site Address	1245 W SUNSET BLVD LOS ANGELES CA 90026
Property Type	Other
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

Click Here to View Assessor's Map
(Click Here to View Index Map)

Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	12/11/2007
Land	$78,251
Improvements	$9,343
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

Click Here for 2012 Annual Taxes
(I have a question regarding my property tax payment)
Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS E 85 FT OF LOT 21 AND ALL OF LOT 23 BLK 31

Building Description(s)

Improvement 1	
Square Footage	1,279
Year Built / Effective Year Built	1920 / 1920
Bedrooms / Bathrooms	6 / 2
Units	1

Improvement 2	
Square Footage	880
Year Built / Effective Year Built	1924 / 1924
Bedrooms / Bathrooms	2 / 1
Units	1

Click Here for Another Search

Los Angeles County Office of the Assessor

Records for this property are kept at the West District Office
("How frequently is the information updated on this site?" and other FAQs.)

Property Information

Assessor's ID No.	5406-016-028
Site Address	1187 W SUNSET BLVD LOS ANGELES CA 90012
Property Type	Commercial / Industrial
Region / Cluster	25 / 25697
Tax Rate Area (TRA)	00013

Click Here to View Assessor's Map
(Click Here to View Index Map)

Recent Sale Information

Latest Sale Date	
Indicated Sale Price	

Search for Recent Sales

2012 Roll Values

Recording Date	04/22/1977
Land	$105,562
Improvements	$17,635
Personal Property	$0
Fixtures	$0
Homeowners' Exemption	$0
Real Estate Exemption	$0
Personal Property Exemption	$0
Fixture Exemption	$0

Click Here for 2012 Annual Taxes
(I have a question regarding my property tax payment)
Estimate Supplemental Taxes

Property Boundary Description

ANGELENO HEIGHTS VAC ST ADJ ON W AND LOTS 1 AND LOT 2 BLK 31

Building Description(s)

Improvement 1	
Square Footage	1,161
Year Built / Effective Year Built	1960 / 1960
Bedrooms / Bathrooms	0 / 0
Units	0

Click Here for Another Search

3

APPLICATION TO ALTER, REPAIR MOVE OR DEMOLISH

Form D-1

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

From Lot ... To Lot ...
Tract ... Tract ...

Present location of building (House Number and Street)
New location of building 1729 Sunset Blvd (House Number and Street)
Between what cross streets ...

Approved by City Engineer ... Deputy

USE INK OR INDELIBLE PENCIL

1. Present use of building Gas Station Building Families ... Rooms ... (1 and 2 Dwelling, Apartment House, Hotel or other purpose)
2. State how long building has been used for present occupancy ...
3. Use of building AFTER alteration or moving Store Families ... Rooms ...
4. Owner IRVING KOLLER (Print Name) Phone ...
5. Owner's Address ... P. O. ...
6. Certificated Architect ... State License No. ... Phone ...
7. Licensed Engineer ... State License No. ... Phone ...
8. Contractor ... State License No. ... Phone ...
9. Contractor's Address ...
10. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinklers, electrical wiring and elevator equipment, therein or thereon.) $ 1500
11. State how many buildings NOW on lot and give use of each. ... (Store, Dwelling, Apartment House, Hotel or other purpose)
12. Size of existing building 25 x 70 Number of stories high 1 Height to highest point ...
13. Material Exterior Walls ... (Wood, Steel or Masonry) Exterior framework ... (Wood or Steel)
14. Describe briefly all proposed construction and work:

RELOCATION
APPLICATION FOR RECEIPT NO. ...
BOARD APPROVED, DATE ... BOND FOR $ ... ENTERED BY ...
SURETY BOND POSTED, DATE ... ENTERED BY ...
CASH BOND POSTED ... ENTERED BY ...

NEW CONSTRUCTION

15. Size of Addition ... Size of Lot 100 x 192 Number of Stories when complete ...
16. Footing: Width ... Depth in Ground 30 Width of Wall ... Size of Floor Joists ...
17. Size of Studs ... Material of Floor ... Size of Rafters ... Type of Roofing ...

I hereby certify that to the best of my knowledge and belief the above application is correct and that this building or construction work will comply with all laws, and that in the doing of the work authorized thereby I will not employ any person in violation of the Labor Code of the State of California relating to Workmen's Compensation Insurance.

Sign here ... (Owner or Authorized Agent)
By ...

FOR DEPARTMENT USE ONLY

(1) PLAN CHECKING
Receipt No. 3115 3051
Valuation $ 1000
Fee Paid $

(2) REINFORCED CONCRETE
Bbls. Cement ...
Tons of Reinforcing Steel ...

(3) The building referred to in this Application will be more than 100 ft. from ... Street
Sign here ... (Owner or Authorized Agent)

TYPE	GROUP	Maximum No. Occupants	Inside Lot / Corner Lot	Key Lot / Corner Lot Reversed	Lot Size	Feet east Alley / Feet to Side Alley	Clerk
V	E-1				100 x 170		

PERMIT No. 5111

Plans and specifications checked: Mahoney
Corrections Verified
Plans, Specifications and Application reexamined and approved
Application checked and approved: 3/11/
Clerk

Zone C-2 | Fire District No. 2 | District Map No. 55 x E | Fee
Bldg. Line 170 Ft. | Street Widening Ft.
Stamp here when Permit is issued

PLANS
Set No.
For Plans List | Filed with

Continuous Inspection
SPRINKLER: Approved, Received, Fireman Required, Fee ... No.
Inspection

All Applications Must be Filled Out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

Bldg. Form 2

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the granting of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY

Lot No. H 1 Block 31
(Description of Property)
Augustina Alegria

District No. 9 M. B. Page 16 F. B. Page 229

TAKE TO ROOM No. 403 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. 418 Lemoch Place Street
Location of Job
Near Sunset Boulevard

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Frame Str. No. of Rooms 1 No. of Families 1
2. Owner's name Church of Scientology Phone Tr 9021
3. Owner's address 303 Hyperion Ave
4. Architect's name Phone
5. Contractor's name DN Phone
6. Contractor's address
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 1500.00
8. Is there any existing building on lot? No How used?
9. Size of proposed building 12' x 13' Height to highest point 11' 6" feet
10. Number of Stories in height one Character of ground Sandy Loam
11. Material of exterior walls Wood
12. Will all provisions of State Housing Act be complied with?

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Church of Scientology
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O.K.	Stamp here when permit is issued
15638	Plan Examiner	Clerk	MAY 1 1952

15638

File 44626/23 PLANS RL Hayden 4.00

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

3

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY	Lot ..... Block	Lot 2 Block 31
	Tract	Tract Angeleno Hgts.
TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY.	Book ..... Page ..... F. B. Page	Book ..... Page ..... F. B. Page .....
	From No. 1193 Sunset ..... Street	
	To No. Sunset & Frances ..... Street	

O.K. City Clerk ..... Deputy

O.K. City Engineer ..... By

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? dwelling - Ham
2. What purpose will Building be used for hereafter? Same - " "
3. Owner's name F E Hirama Phone
4. Owner's address 1193 Sunset Blvd.
5. Architect's name none Phone
6. Contractor's name none Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 350.00
9. Class of present Building D No. of rooms at present 9
10. Number of stories in height 2 Size of present Building 44' x 36'
11. State how many buildings are on this lot. 3 + garage
12. State purpose buildings on lot are used for Residence - 2 families + garage
(Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

Partition in one bedroom.
Partition in upper rear porch.
Install plumbing in new rear porch.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Geo. N. Durrell
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
45744	Plan Examiner 11/14/24	Clerk	NOV 14 1924

Fire Zone #3. No plan

P A Harper Jr. 195

Address of Building: 1211-15 Sunset Boulevard

CITY OF LOS ANGELES

Certificate of Occupancy

NOTE: Any change of use or occupancy must be approved by the Department of Building and Safety.

This certifies that, so far as ascertained by or made known to the undersigned, the building at the above address complies with the applicable requirements of the Municipal Code, as follows: Ch. 1, as to permitted uses, Ch. 9 Arts. 1, 3, 4, and 5; and with applicable requirements of State Housing Act—for following occupancies:

Issued October 1,1965 Permit No. and Year LA 1949/1962

One-story, Type IIIA 50' x 70' Print Shop

G-1 Occupancy

X6203

FILE COPY

Owner: Bodoni Limited

Owner's Address: 1211-15 Sunset Blvd.
Los Angeles, California

Form B-95b—2M Sht. Sets—12-64 (C-10)

By C. M. KELLER mrb

Address of Building 1185 Sunset Blvd.

CITY OF LOS ANGELES

Certificate of Occupancy

NOTE: Any change of use or occupancy must be approved by the Department of Building and Safety.

This certifies that, so far as ascertained by or made known to the undersigned, the building at the above address complies with those applicable requirements of the Municipal Code, as follows: Ch. 1, as to permitted uses; Ch. 9, Arts. 1, 3, 4, and 5; and with applicable requirements of State Housing Act—for following occupancies:

Issued 7-1-64 Permit No. and Year LA 10558 - 63

1 story, type IV, 24' x 30' canopy.
F-1 occupancy.

Owner Richfield Oil Co.
Owner's Address 555 S. Flower St.
Los Angeles, Calif.

Form B-95b—2M Sht. Sets—3-64 (C-10)

By K. W. HULL. myb

All Applications Must be Filled Out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

Bldg. Form 1

1

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of Buildings

CLASS "A"—"B"—"C"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO Room No. 248 (2ND FLOOR) CITY CLERK PLEASE VERIFY

Lot No. 4 Block 31
(Description of Property)

Angeleno Heights

District No. ..... M. B. Page ..... F. B. Page .....

O.K. City Clerk ..... By ..... Deputy

TAKE TO ROOM No. 6 (MAIN ST.) FLOOR) ENGINEER PLEASE VERIFY

No. 1201½ Sunset Blvd. Los Angeles Street
(Location of Job)

Everett J. Jones

O.K. City Engineer ..... By ..... Deputy

(USE INK OR INDELIBLE PENCIL) Retail Building add

1. Purpose of Building Oil Depot No. of Rooms 1 No. of Families .....
2. Owner's name Heath Phone .....
3. Owner's address 1201 Sunset Blvd
4. Architect's name ..... STATE LICENSE NO. ..... Phone .....
   Not to be filled in unless with name of Certificated Architect or Licensed Engineer under State Act
5. Contractor's name ..... LICENSE NO. ..... Phone .....
6. Contractor's address .....
7. TOTAL VALUATION OF BUILDING (Including all Material, Labor, Finishing, Equipment and Appliances in Completed Building.) $ 750.00
8. Any other building or permit for a building on lot at present? yes How used? Dwellings
9. Size of proposed building 8' x 20' Size of lot 50 x 150 feet
10. Number of stories in height 1 Height to highest point 10'
11. Material of foundation Concrete Character of soil Silt
12. Material of exterior walls Brick
13. Material of interior construction Brick
14. Material of floors Cement
15. Material of roof Composition & 2X4's
16. Will all lathing and plastering comply with Ordinance? .....
17. What zone is property in? C-3 No. Sq. Ft. .....

I have carefully examined and read the above application and know the same is true and correct, and hereby certify and agree, if a permit is issued, that all of the provisions of the Building Ordinances will be complied with, whether herein specified or not; also certify that plans and specifications herewith filed conform to all of the provisions of the Building Ordinances and State Laws.

OVER 3/14/53

(Sign Here) Gilbert Juarez
(Owner or Authorized Agent)

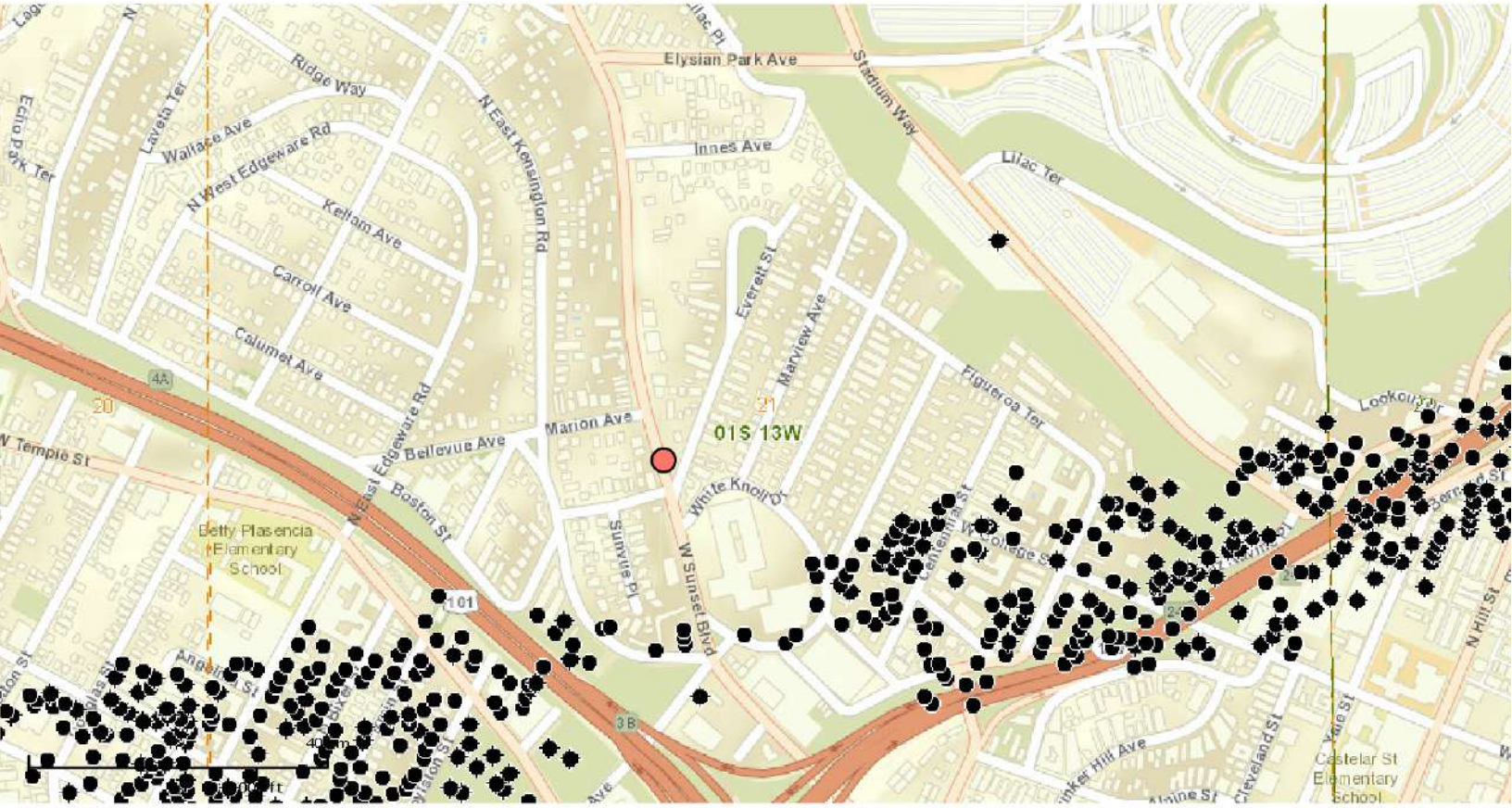
FOR DEPARTMENT USE ONLY

PERMIT No. 3590	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O.K. 3-21-53 ZC3	Stamp here when permit is issued.
	Plan Examiner.	Clerk	MAR 21 1953

Clark

PLANS 3/14/53

DOGGR Online Mapping System (DOMS)



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For further information or suggestions regarding the data on this site, please contact the Division of Oil, Gas, and Geothermal Resources, Technical Services Unit at 801 K St, MS 20-20, Sacramento, CA, 95814 or email doggrwebmaster@conservation.ca.gov.

California Department of Conservation, Division of Oil, Gas and Geothermal Resources.

Printed on: Feb 05 - 10:11:02 AM
URL - http://maps.conservation.ca.gov/doms/

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1195 W SUNSET BLVD
1197 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
YD-2526-YV
PRIOR-06/01/1946

Address/Legal Information	
PIN Number	136-5A211 239
Lot/Parcel Area (Calculated)	3,929.1 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016003
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	3
Arb (Lot Cut Reference)	1
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	No

This report is subject to the terms and conditions as set forth on the website. For more details, please refer to the terms and conditions at zimas.lacity.org
(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Assessor Information	
Assessor Parcel No. (APN)	5406016003
APN Area (Co. Public Works)*	0.090 (ac)
Use Code	3800 - Industrial Use Parking Lot
Assessed Land Val.	$38,799
Assessed Improvement Val.	$58,538
Last Owner Change	12/11/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-273
	4-465
	4-463
	2718249
	2468584
	2468574
	2468564
	2027250
	13040
Building 1	
Year Built	1975
Building Class	D6B
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	3,150.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.3406547
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13

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Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT
Case Number:	YD-2526-YV
Required Action(s):	YV-HEIGHT AND DENSITY ADJUSTMENTS 20% OR MORE
Project Descriptions(s):	Data Not Available

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

PRIOR-06/01/1946

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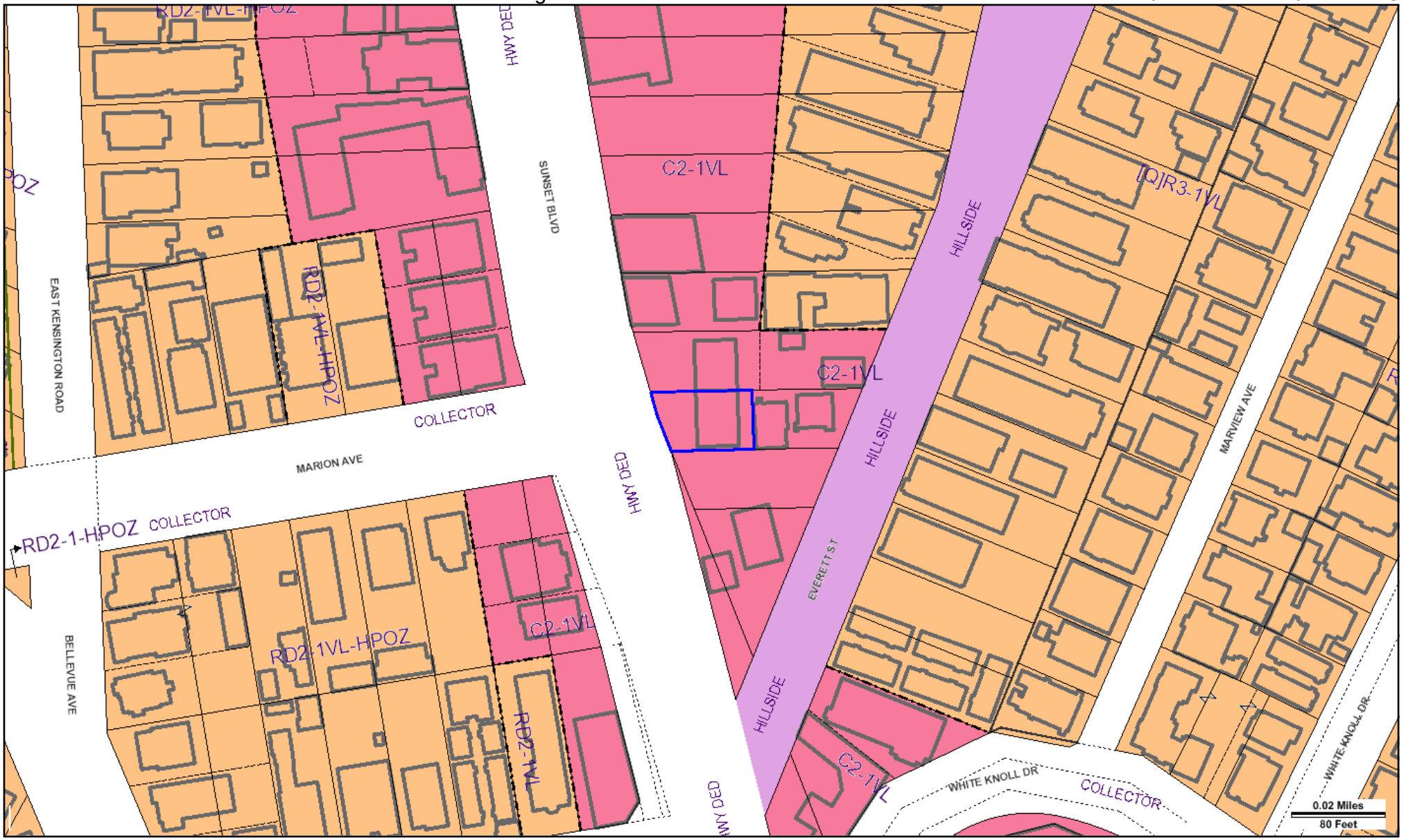
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1195 W SUNSET BLVD
APN: 5406016003
PIN #: 136-5A211 239

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 3
Arb: 1

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
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- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
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- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
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- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
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- Hiking Trail
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- Horsekeeping Area
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- Site Boundary
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- Special Study Area
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- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
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- Community Library (Proposed Expansion)
- Community Library (Proposed)
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- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
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- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
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- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
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- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
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- SH Public Senior High School
- SH Public Senior High School (Proposed)
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- Pumping Station (Proposed)
- Refuse Collection Center
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- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
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- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1201 W SUNSET BLVD
1201 1/2 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
PRIOR-06/01/1946

Address/Legal Information	
PIN Number	136-5A211 219
Lot/Parcel Area (Calculated)	5,042.9 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016006
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	4
Arb (Lot Cut Reference)	1
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	No

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(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Assessor Information	
Assessor Parcel No. (APN)	5406016006
APN Area (Co. Public Works)*	0.114 (ac)
Use Code	300V - Vacant Land (Industrial)
Assessed Land Val.	$35,415
Assessed Improvement Val.	$0
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	4-465
	4-463
	2468585
	2468575
	2468565
	2468556
	2-679
	13040
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.3277429
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	

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Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

PRIOR-06/01/1946

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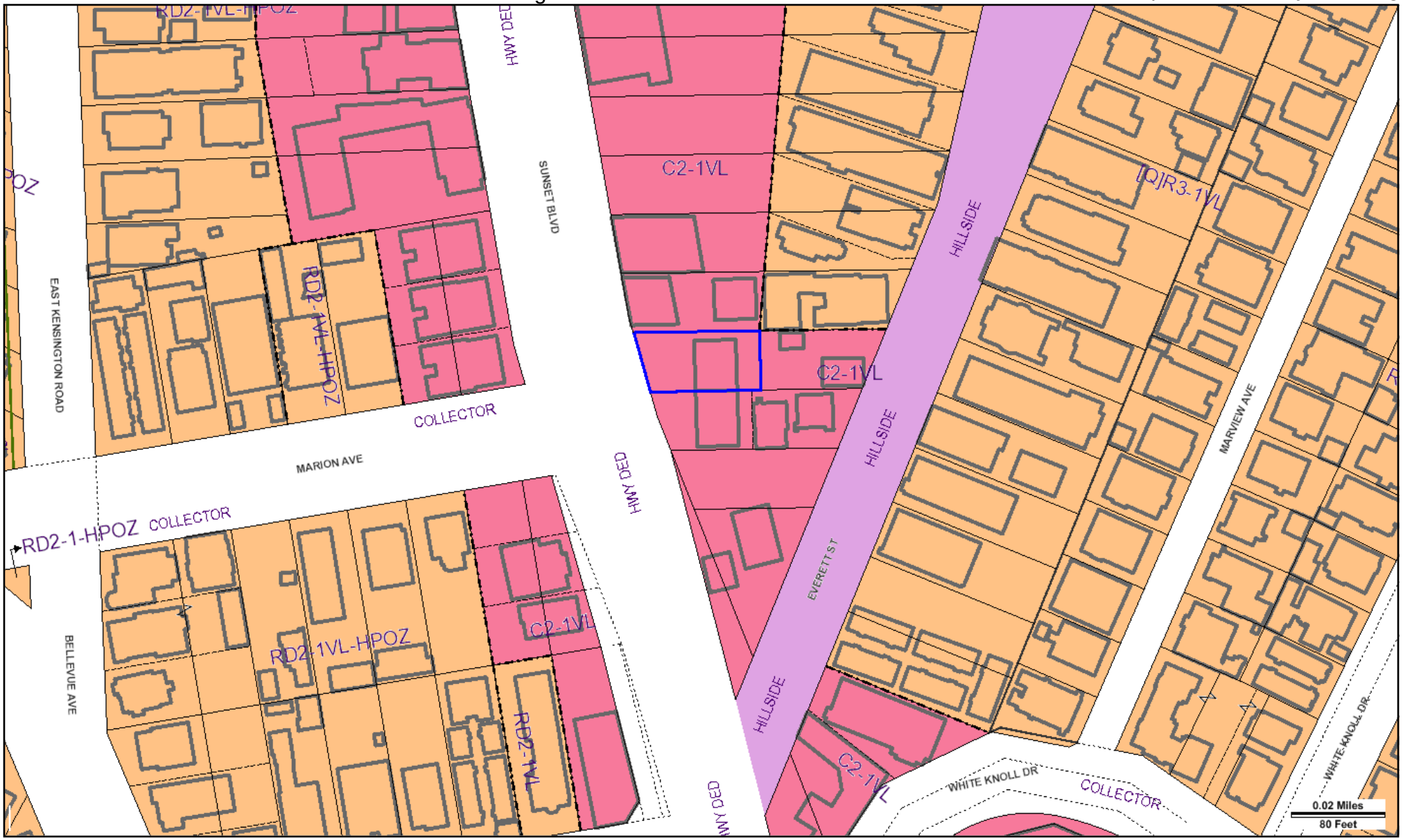
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1201 W SUNSET BLVD
APN: 5406016006
PIN #: 136-5A211 219

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 4
Arb: 1

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
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- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
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- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
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COMMERCIAL

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- Parking Buffer

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- Airport Airside
- Airport Northside

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- Collector Scenic Street
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- Collector Street (Proposed)
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- Divided Secondary Scenic Highway
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- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

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- Tract Line
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- Building Line
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- Lot Ties
- Building Outlines

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- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
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- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1207 W SUNSET BLVD
1205 W SUNSET BLVD
1207 1/2 W SUNSET BLVD
1205 1/2 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
ZA-1424

Address/Legal Information	
PIN Number	136-5A211 205
Lot/Parcel Area (Calculated)	5,710.9 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016007
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	5
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016007
APN Area (Co. Public Works)*	0.129 (ac)
Use Code	1210 - Store and Residential Combination
Assessed Land Val.	$148,126
Assessed Improvement Val.	$26,444
Last Owner Change	07/02/96
Last Sale Amount	$85,000
Tax Rate Area	13
Deed Ref No. (City Clerk)	8-338
	732112
	7-980
	2210034
	1045063
Building 1	
Year Built	1922
Building Class	D5
Number of Units	2
Number of Bedrooms	0
Number of Bathrooms	2
Building Square Footage	858.0 (sq ft)
Building 2	
Year Built	1922
Building Class	D5A
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	1,600.0 (sq ft)
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.3154924
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13

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Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

ZA-1424

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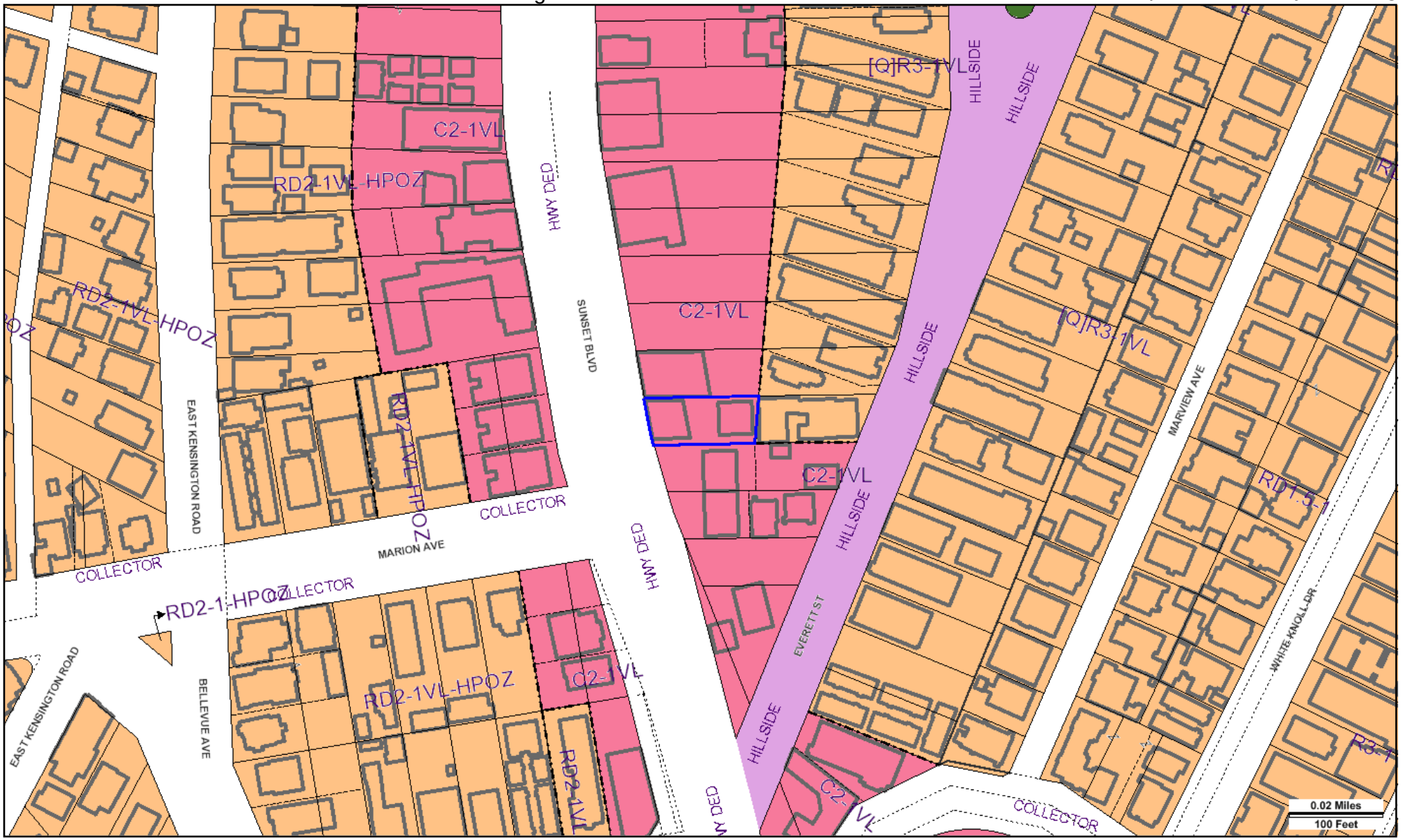
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1207 W SUNSET BLVD
APN: 5406016007
PIN #: 136-5A211 205

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 5
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
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- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
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- Neighborhood Office Commercial
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INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
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PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
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- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
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- Divided Secondary Scenic Highway
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POINTS OF INTEREST

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- Wildlife Migration Corridor
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- Planned School/Park Site
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- High School
- Historic Sites
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- Recreation Centers
- Span School
- Special Education School
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- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1211 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
ZA-7671

Address/Legal Information	
PIN Number	136-5A211 184
Lot/Parcel Area (Calculated)	6,380.7 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016010
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	7
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016010
APN Area (Co. Public Works)*	0.143 (ac)
Use Code	1100 - Stores
Assessed Land Val.	$39,000
Assessed Improvement Val.	$21,876
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	8-983
	2468586
	2468576
	2468566
	2468557
	13040
Building 1	
Year Built	1926
Building Class	C5A
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	3,550.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.3032099
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No

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Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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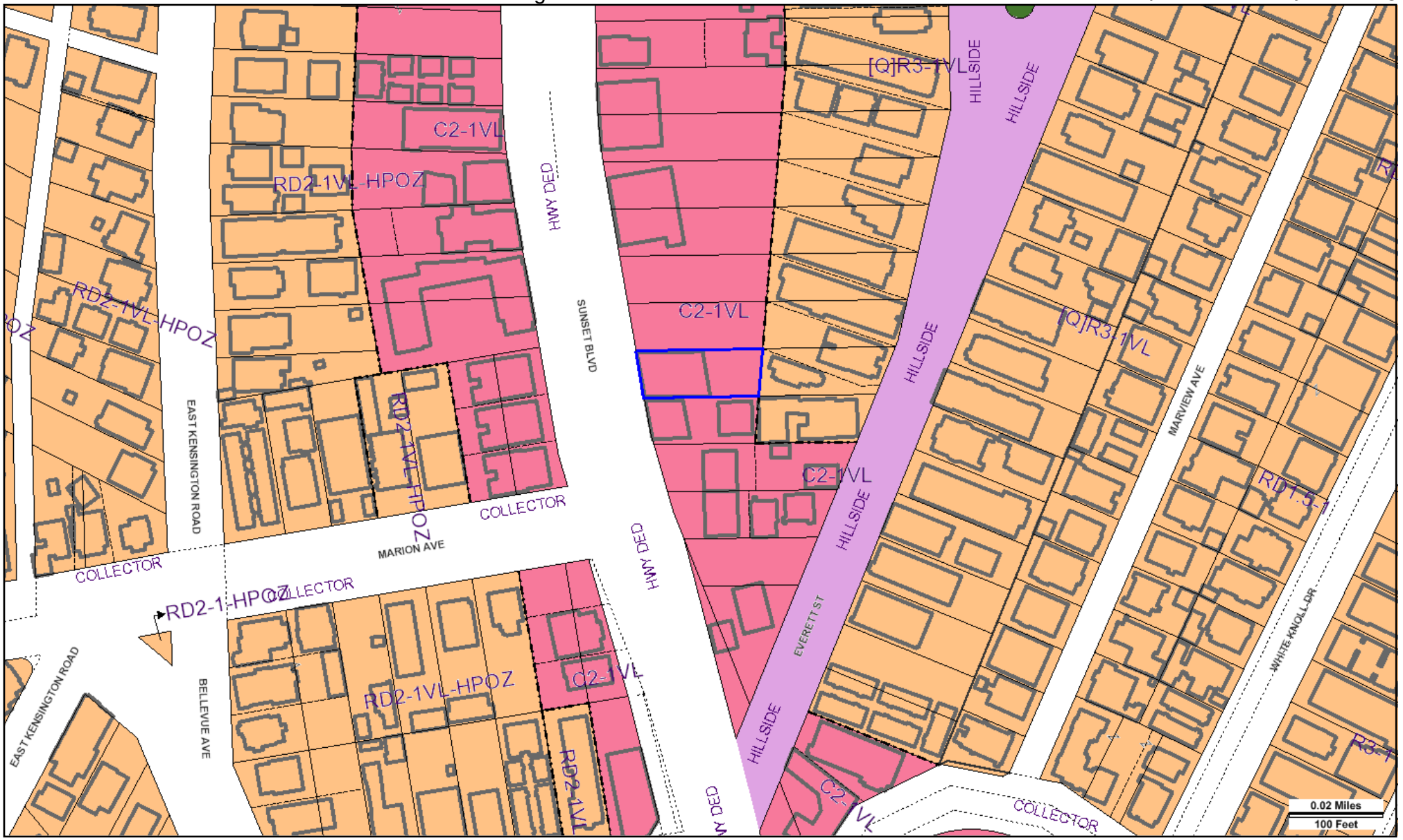
Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1211 W SUNSET BLVD
APN: 5406016010
PIN #: 136-5A211 184

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 7
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

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LEGEND

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GENERAL PLAN LAND USE

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Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

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CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
PKG-121

Address/Legal Information	
PIN Number	136-5A211 171
Lot/Parcel Area (Calculated)	7,010.2 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016011
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	9
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016011
APN Area (Co. Public Works)*	0.158 (ac)
Use Code	2700 - Parking Lot (Patron or Employee)
Assessed Land Val.	$42,185
Assessed Improvement Val.	$574
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	8-983
	2468587
	2468577
	2468567
	2468558
	13040
Building 1	
Year Built	1958
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	3,000.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2909609
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No

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Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

PKG-121

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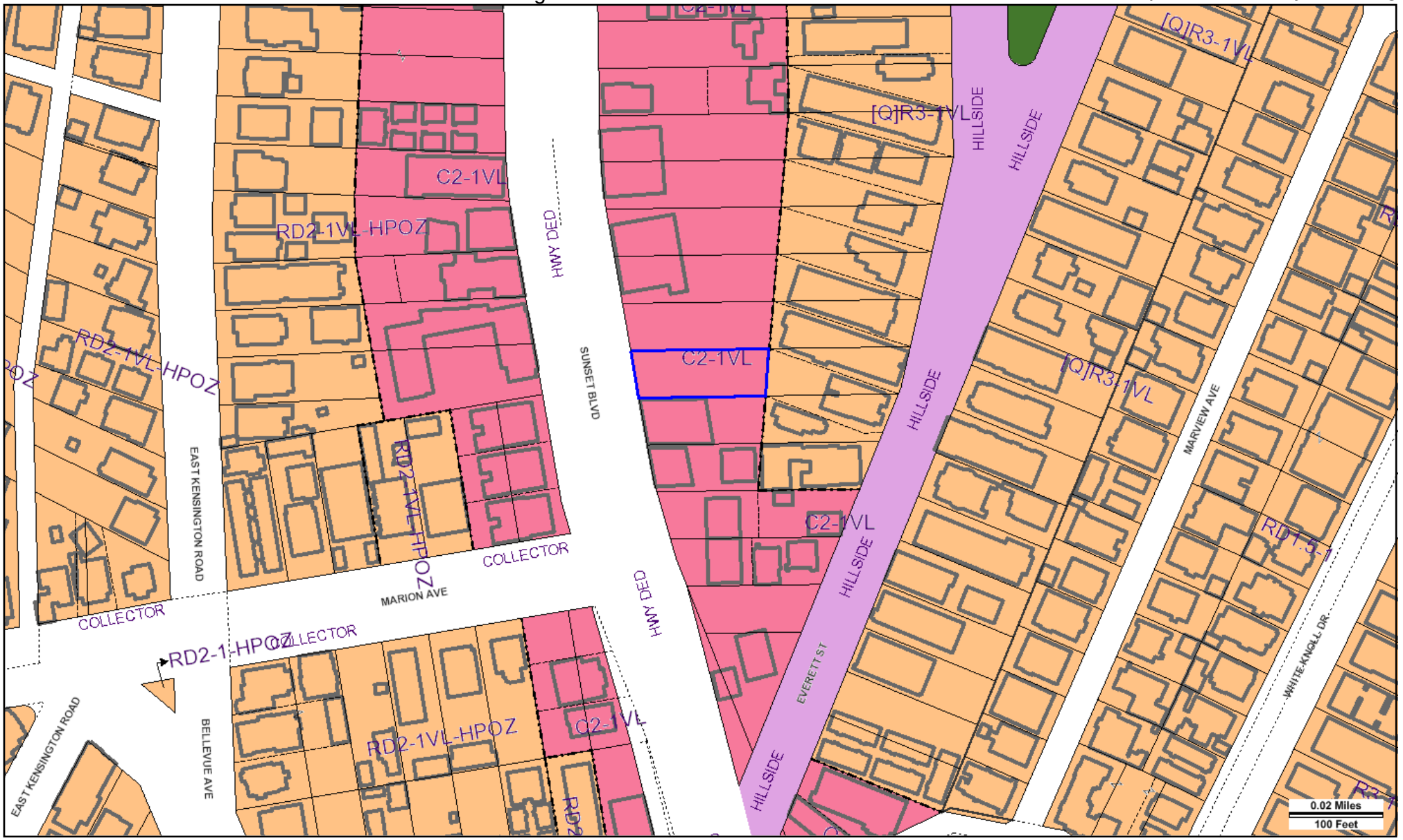
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1215 W SUNSET BLVD
APN: 5406016011
PIN #: 136-5A211 171

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 9
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1221 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-5819
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540

Address/Legal Information	
PIN Number	136-5A211 160
Lot/Parcel Area (Calculated)	7,655.4 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016013
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	11
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016013
APN Area (Co. Public Works)*	0.174 (ac)
Use Code	3800 - Industrial Use Parking Lot
Assessed Land Val.	$47,167
Assessed Improvement Val.	$770
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-370
	2468578
	2468568
	2468559
	13040
Building 1	
Year Built	1960
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	2,000.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2786894
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No

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Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

CPC-5819

ORD-176825-SA17

ORD-165167-SA5540

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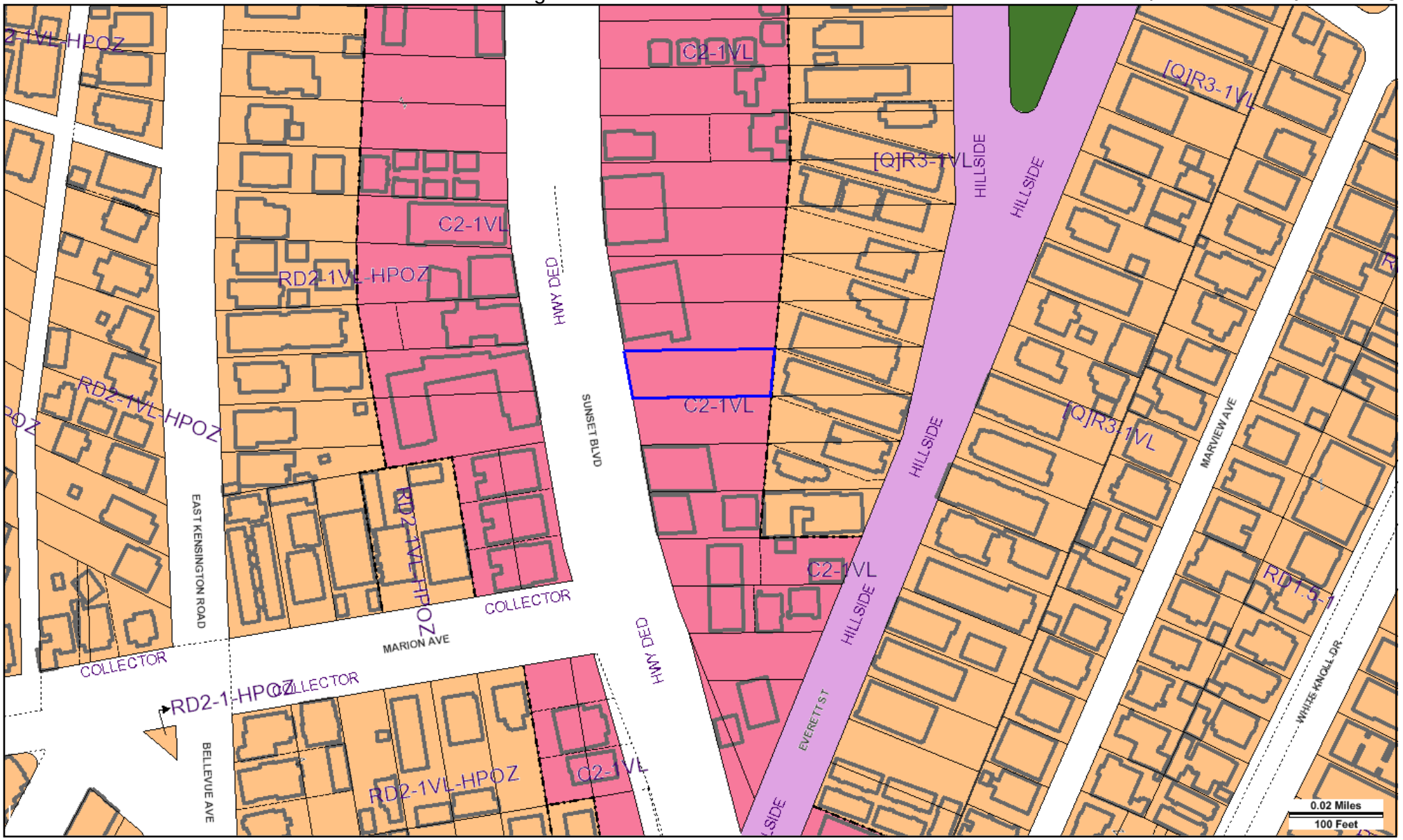
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1221 W SUNSET BLVD
APN: 5406016013
PIN #: 136-5A211 160

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 11
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1229 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
ZA-1424
ZA-13150

Address/Legal Information	
PIN Number	136-5A211 132
Lot/Parcel Area (Calculated)	8,937.6 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016016
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	15
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016016
APN Area (Co. Public Works)*	0.395 (ac)
Use Code	1100 - Stores
Assessed Land Val.	$106,889
Assessed Improvement Val.	$17,295
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-370
	2468589
	2468579
	2468569
	2468560
	13040
Building 1	
Year Built	1944
Building Class	D5A
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	4,840.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2541423
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No

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Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

ZA-1424

ZA-13150

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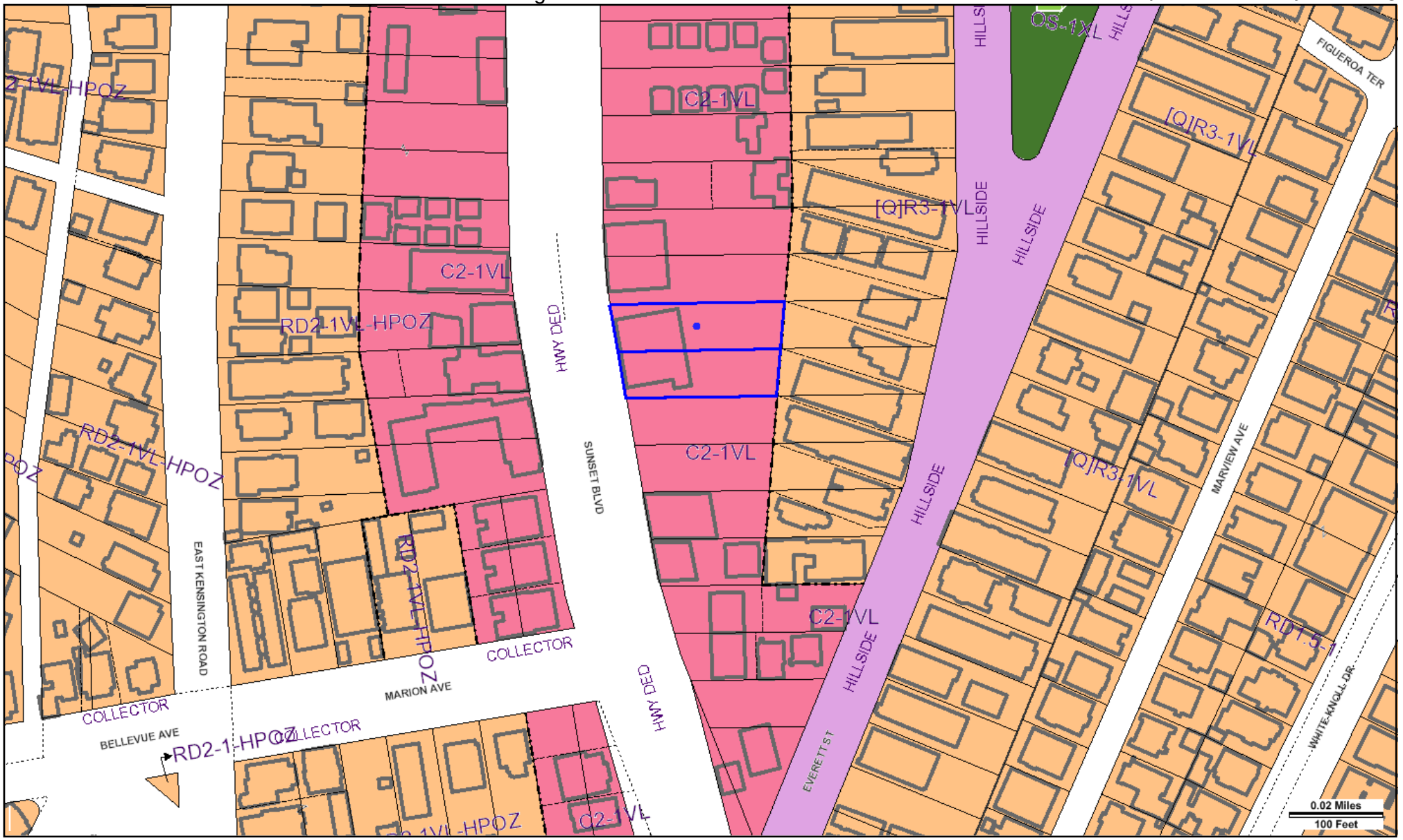
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1229 W SUNSET BLVD
APN: 5406016016
PIN #: 136-5A211 132

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 15
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

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LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
965 N EVERETT ST
965 1/2 N EVERETT ST

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1986-255-GPC
ORD-163699

Address/Legal Information	
PIN Number	136-5A211 122
Lot/Parcel Area (Calculated)	4,281.9 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016018
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	18
Arb (Lot Cut Reference)	2
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	[Q]R3-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	Medium Residential
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

This report is subject to the terms and conditions as set forth on the website. For more details, please refer to the terms and conditions at zimas.lacity.org
(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Assessor Information	
Assessor Parcel No. (APN)	5406016018
APN Area (Co. Public Works)*	0.199 (ac)
Use Code	0100 - Single Residence
Assessed Land Val.	$37,806
Assessed Improvement Val.	$7,540
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-370
	2468590
	2468580
	2468570
	2468561
	2027245
	13040
Building 1	
Year Built	1905
Building Class	D4A
Number of Units	1
Number of Bedrooms	2
Number of Bathrooms	1
Building Square Footage	1,361.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2191217
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4

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Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-163699

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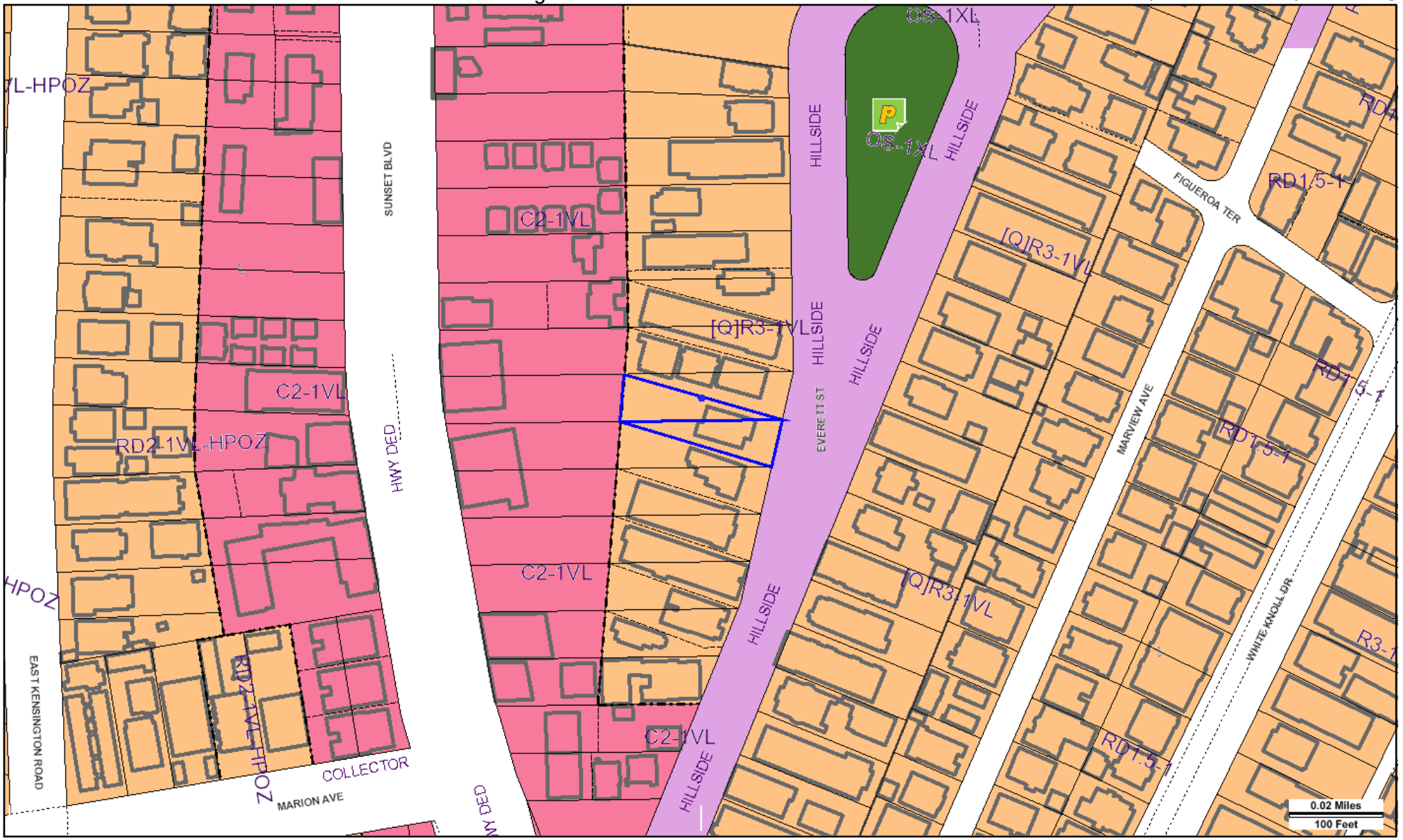
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 965 N EVERETT ST
APN: 5406016018
PIN #: 136-5A211 122

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 18
Arb: 2

Zoning: [Q]R3-1VL
General Plan: Medium Residential

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LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1239 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
AFF-13646
AFF-10005

Address/Legal Information	
PIN Number	136-5A211 107
Lot/Parcel Area (Calculated)	9,693.7 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016019
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	19
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016019
APN Area (Co. Public Works)*	0.448 (ac)
Use Code	1100 - Stores
Assessed Land Val.	$119,634
Assessed Improvement Val.	$17,295
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-370
	2468591
	2468581
	2468571
	2468562
	13040
Building 1	
Year Built	1922
Building Class	D5A
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	4,480.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2297762
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No

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Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	11
District / Fire Station	20
Red Flag Restricted Parking	No

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CASE SUMMARIES

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Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

AFF-13646

AFF-10005

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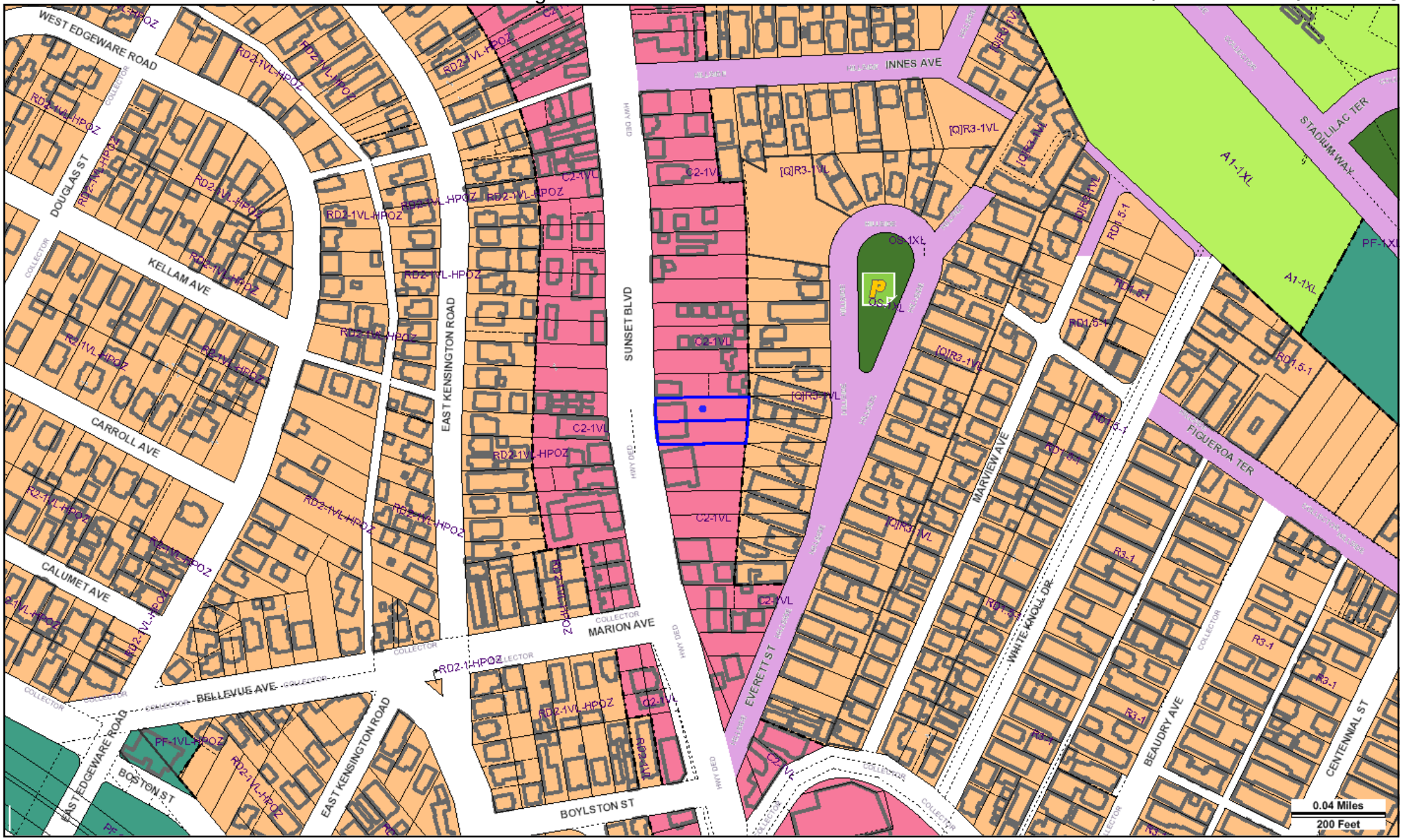
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1239 W SUNSET BLVD
APN: 5406016019
PIN #: 136-5A211 107

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 19
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
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- Commercial Center
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- Country Road
- DWP Power Lines
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- DMV DMV Office
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- Fire Station
- Fire Station (Proposed Expansion)
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- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
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- Police Station (Proposed Expansion)
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- Power Distribution Station (Proposed)
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- SH Public Senior High School
- SH Public Senior High School (Proposed)
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- Regional Park
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- RPD Residential Plan Development
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- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
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- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
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- Skate Parks

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- Tract Line
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- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

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- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1245 W SUNSET BLVD
1243 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540

Address/Legal Information	
PIN Number	136-5A211 91
Lot/Parcel Area (Calculated)	5,750.0 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016021
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	21
Arb (Lot Cut Reference)	1
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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Assessor Information	
Assessor Parcel No. (APN)	5406016021
APN Area (Co. Public Works)*	0.132 (ac)
Use Code	1210 - Store and Residential Combination
Assessed Land Val.	$35,813
Assessed Improvement Val.	$10,528
Last Owner Change	11/01/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-370
	2468592
	2468582
	2468572
	2468563
	2027245
	13040
Building 1	
Year Built	1932
Building Class	D5A
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	1,414.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2359172
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4

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Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	11
District / Fire Station	20
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
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DATA NOT AVAILABLE

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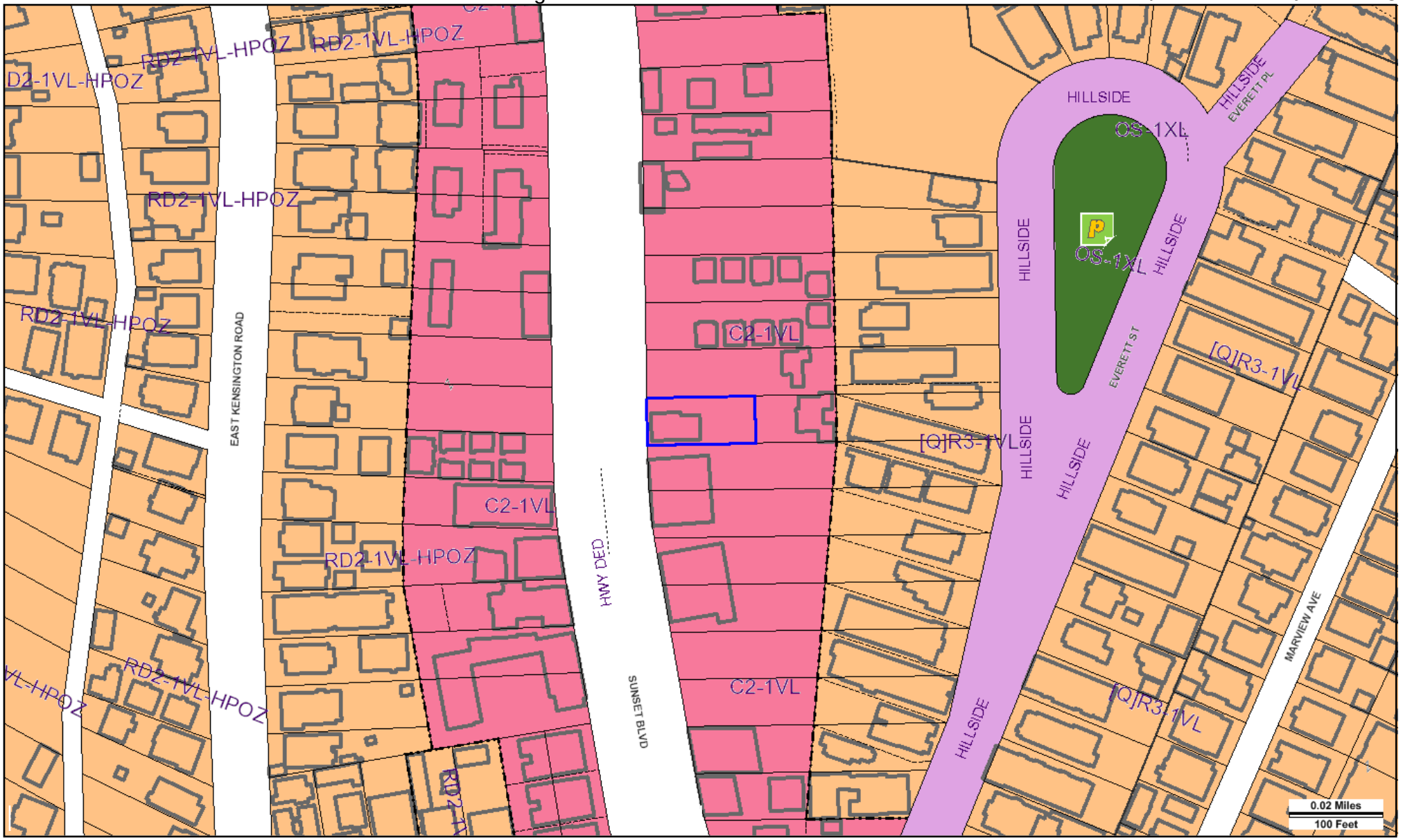
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1245 W SUNSET BLVD
APN: 5406016021
PIN #: 136-5A211 91

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 21
Arb: 1

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
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- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
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- Horsekeeping Area
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- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
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- Community Library (Proposed Expansion)
- Community Library (Proposed)
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- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
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- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
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- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
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- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
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- Power Distribution Station (Proposed)
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- C Private College
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- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
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- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
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- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
1247 W SUNSET BLVD
1247 1/2 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1986-255-GPC
ORD-165167-SA5535

Address/Legal Information	
PIN Number	136-5A211 71
Lot/Parcel Area (Calculated)	10,000.0 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016023
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	23
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	Active: Everett Park

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(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Assessor Information	
Assessor Parcel No. (APN)	5406016023
APN Area (Co. Public Works)*	0.327 (ac)
Use Code	0800 - Rooming House
Assessed Land Val.	$79,816
Assessed Improvement Val.	$9,529
Last Owner Change	12/11/07
Last Sale Amount	$9
Tax Rate Area	13
Deed Ref No. (City Clerk)	5-370 +
	2718248
	2468593
	2468583
	2468573
	2027245
	13040
Building 1	
Year Built	1920
Building Class	D4B
Number of Units	1
Number of Bedrooms	6
Number of Bathrooms	2
Building Square Footage	1,279.0 (sq ft)
Building 2	
Year Built	1924
Building Class	D4A
Number of Units	1
Number of Bedrooms	2
Number of Bathrooms	1
Building Square Footage	880.0 (sq ft)
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.2072244
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse

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Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None
Public Safety	
Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	11
District / Fire Station	20
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT

DATA NOT AVAILABLE

ORD-165167-SA5535

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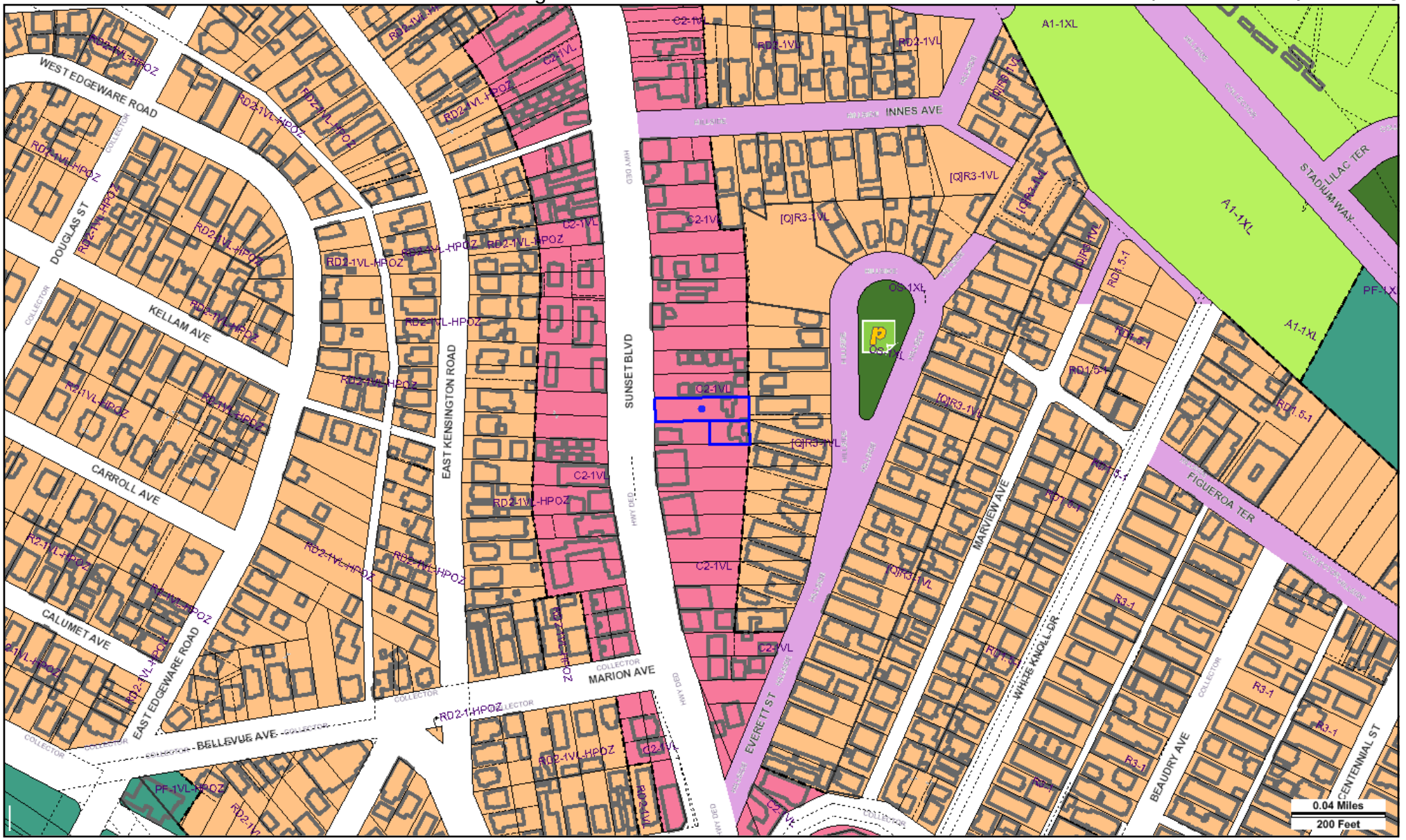
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 1247 W SUNSET BLVD
APN: 5406016023
PIN #: 136-5A211 71

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 23
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
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- PF
- HILLSIDE

GENERAL PLAN LAND USE

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- Minimum Residential
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PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
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- Airport Northside

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MISC. LINES

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- Alternative Youth Hostel (Proposed)
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SCHOOLS/PARKS WITH 500 FT. BUFFER

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- Building Line
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- Parcel Map
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- Building Outlines

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- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

City of Los Angeles
Department of City Planning

2/5/2013
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
917 N EVERETT ST
1193 W SUNSET BLVD

ZIP CODES
90026

RECENT ACTIVITY
None

CASE NUMBERS
CPC-1995-357-CPU
CPC-1986-255-GPC
ORD-176825-SA17
ORD-165167-SA5540
ZA-1997-277-CUZ
ENV-2001-4418-CE

Address/Legal Information	
PIN Number	136-5A211 253
Lot/Parcel Area (Calculated)	6,085.8 (sq ft)
Thomas Brothers Grid	PAGE 634 - GRID F1
Assessor Parcel No. (APN)	5406016028
Tract	ANGELENO HEIGHTS
Map Reference	M R 10-63/66
Block	31
Lot	2
Arb (Lot Cut Reference)	None
Map Sheet	136-5A211
Jurisdictional Information	
Community Plan Area	Silver Lake - Echo Park - Elysian Valley
Area Planning Commission	East Los Angeles
Neighborhood Council	None
Council District	CD 1 - Ed P. Reyes
Census Tract #	1977.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	C2-1VL
Zoning Information (ZI)	ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE
General Plan Land Use	General Commercial
General Plan Footnote(s)	Yes
Hillside Area (Zoning Code)	Yes
Baseline Hillside Ordinance	No
Baseline Mansionization Ordinance	No
Specific Plan Area	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
POD - Pedestrian Oriented Districts	None
CDO - Community Design Overlay	None
NSO - Neighborhood Stabilization Overlay	No
Streetscape	No
Sign District	No
Adaptive Reuse Incentive Area	None
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	No

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(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Assessor Information	
Assessor Parcel No. (APN)	5406016028
APN Area (Co. Public Works)*	0.348 (ac)
Use Code	2600 - Auto Service Body and Fender Repair
Assessed Land Val.	$107,673
Assessed Improvement Val.	$17,987
Last Owner Change	04/22/77
Last Sale Amount	$65,000
Tax Rate Area	13
Deed Ref No. (City Clerk)	408659-61
Building 1	
Year Built	1960
Building Class	S7A
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	1,161.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	Yes
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	0.3371294
Nearest Fault (Name)	Upper Elysian Park
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	1.3
Slip Geometry	Reverse
Slip Type	Poorly Constrained
Down Dip Width (km)	13
Rupture Top	3
Rupture Bottom	13
Dip Angle (degrees)	50
Maximum Magnitude	6.4
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None

This report is subject to the terms and conditions as set forth on the website. For more details, please refer to the terms and conditions at zimas.lacity.org
(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Renewal Community	No
Revitalization Zone	Central City
State Enterprise Zone	EAST LOS ANGELES STATE ENTERPRISE ZONE
State Enterprise Zone Adjacency	No
Targeted Neighborhood Initiative	None

Public Safety

Police Information	
Bureau	Central
Division / Station	Central
Reporting District	101
Fire Information	
Division	1
Batallion	1
District / Fire Station	3
Red Flag Restricted Parking	No

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(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-1995-357-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SILVERLAKE/ECHO PARK COMMUNITY PLAN UPDATE PROGRAM (CPU) - THESILVERLAKE/ECHO PARK COMMUNITY PLAN IS ONE OF TEN COMMUNITY PLANS THAT ARE PART OF THE COMMUNITY PLAN UPDATE PROGRAM PHASE II(7-1-95 TO 12-31-96)
Case Number:	CPC-1986-255-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - SILVER LAKE AREA - COMMUNITY WIDE ZONE CHANGES AND COMMUNITY PLAN CHANGES TOBRING THE ZONING INTO CONSISTENCY WITH THE COMMUNITY PLAN. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN THE HILLSIDE FEDERATION LAWSUIT
Case Number:	ZA-1997-277-CUZ
Required Action(s):	CUZ-ALL OTHER CONDITIONAL USE CASES
Project Descriptions(s):	
Case Number:	ENV-2001-4418-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	CONDITIONAL USE FOR A HAND CARWASH IN AN EXISTING AUTO REPAIR/TOWING SERVICE IN THE CM-1VL ZONE.

DATA NOT AVAILABLE

ORD-176825-SA17

ORD-165167-SA5540

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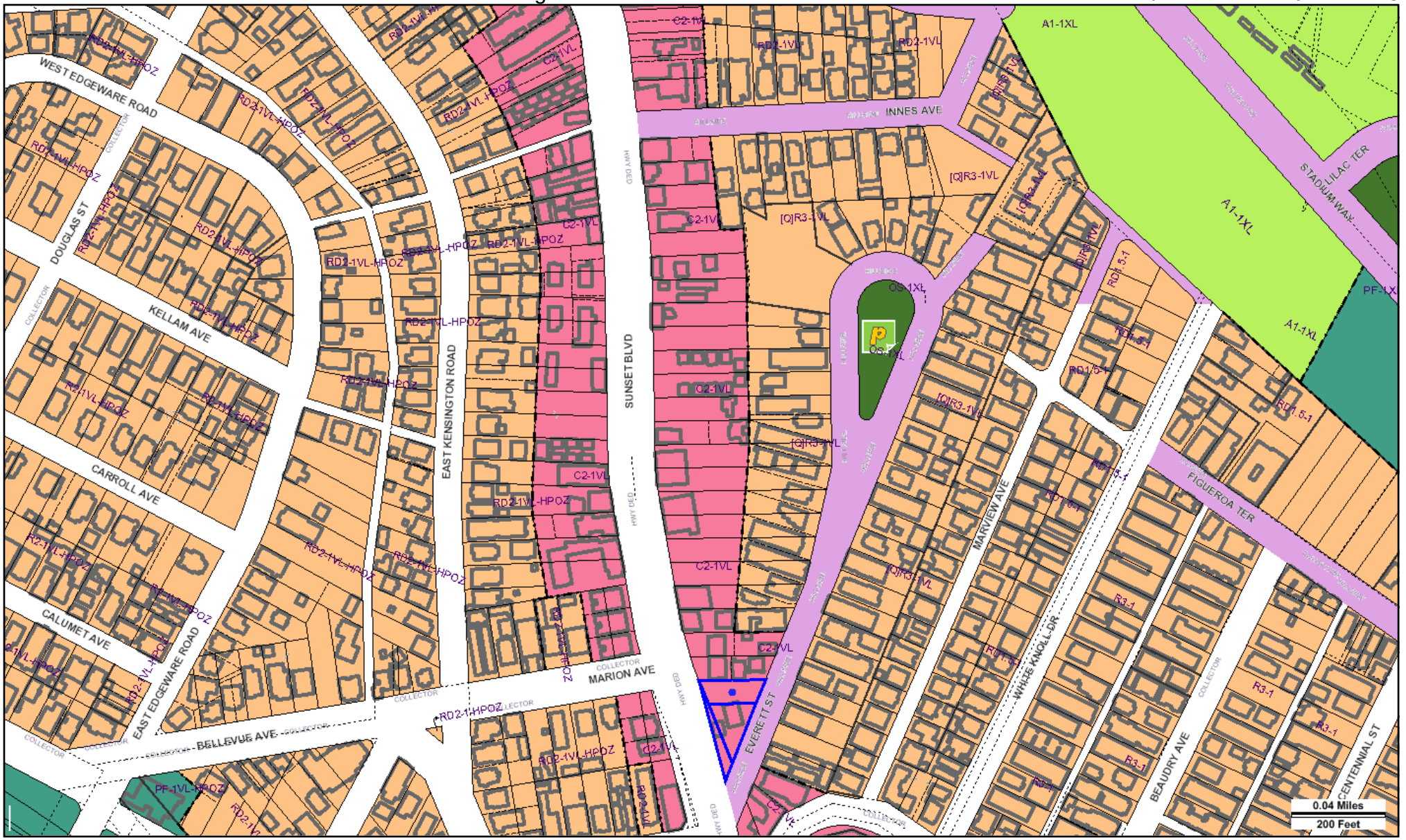
ZIMAS PUBLIC

Generalized Zoning

02/05/2013

City of Los Angeles
Department of City Planning



Address: 917 N EVERETT ST
APN: 5406016028
PIN #: 136-5A211 253

Tract: ANGELENO HEIGHTS
Block: 31
Lot: 2
Arb: None

Zoning: C2-1VL
General Plan: General Commercial

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, R4, R5
- CR, C1, C1.5, C2, C4, C5, CW, ADP, LASED, WC
- CM, MR, CCS, M1, M2, M3, SL
- P, PB
- PF
- HILLSIDE

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside
- Airport Airside
- Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- ★ Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- SM Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Charter School
- Child Care Centers
- Elementary School
- Golf Course
- High School
- Historic Sites
- Horticulture/Gardens
- Middle School
- Opportunity School
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Span School
- Special Education School
- Senior Citizen Centers
- Skate Parks

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Tract Map
- Parcel Map
- Lot Ties
- Building Outlines

- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells

AEI Consultants
5933 W. Century Blvd., Suite 360 Los Angeles, CA 90045
Environmental & Engineering Services
Tel: 310.798.4255 Fax: 310.846.5594

February 5, 2013

Los Angeles County-Public Health Investigation
5555 Ferguson Drive, Suite 120-04
Commerce, California 90022
Tel: (323) 890-7806
Fax: (323) 728-0217

Subject: Hazardous Materials Records

To Whom It May Concern:

I am conducting an environmental assessment and am requesting information about the following properties:

1181-1253 Sunset Boulevard (odds)
Los Angeles, CA 90026

For the purposes of our report, I am requesting any records that your department may have on:

- historical or present hazardous materials usage,
- any Notice of Violation and/or Notice to Comply issued, and
- contamination or site mitigation.

Please fax or email me any information that you may have regarding this matter as soon as possible. I can be reached at (808) 497-2629, should you have any questions or require more information.

Your assistance in this matter is greatly appreciated.

Sincerely,

Jann Yamauchi
jyamauchi@aeiconsultants.com
AEI Consultants
5933 W. Century Blvd., Suite 360 - *Please note new address***
Los Angeles, CA 90045
p. 310.798.4255
f. 310.846.5594 - *Please note new fax***

AEI Consultants
Environmental & Engineering Services
5933 W. Century Blvd., Suite 360 Los Angeles, CA 90045
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February 5, 2013

Los Angeles County-Public Health Investigation
5555 Ferguson Drive, Suite 120-04
Commerce, California 90022
Tel: (323) 890-7806
Fax: (323) 728-0217

Subject: Hazardous Materials Records

To Whom It May Concern:

I am conducting an environmental assessment and am requesting information about the following properties:

917, 959-965 Everett Street (odds)
Los Angeles, CA 90026

For the purposes of our report, I am requesting any records that your department may have on:

- historical or present hazardous materials usage,
- any Notice of Violation and/or Notice to Comply issued, and
- contamination or site mitigation.

Please fax or email me any information that you may have regarding this matter as soon as possible. I can be reached at (808) 497-2629, should you have any questions or require more information.

Your assistance in this matter is greatly appreciated.

Sincerely,

Jann Yamauchi
jyamauchi@aeiconsultants.com
AEI Consultants
5933 W. Century Blvd., Suite 360 - *Please note new address***
Los Angeles, CA 90045
p. 310.798.4255
f. 310.846.5594 - *Please note new fax***

COUNTY OF LOS ANGELES
Public Health

JONATHAN E. FIELDING, M.D., M.P.H.
Director and Health Officer

CYNTHIA A. HARDING, M.P.H.
Chief Deputy Director

Public Health Investigation Administration
LEOLA MERCADEL
Chief, Public Health Investigation

5555 Ferguson Drive, Suite 120-04
Commerce, California 90022
TEL (323) 890-7801 • FAX (323) 728-0217

www.publichealth.lacounty.gov

BOARD OF SUPERVISORS

Gloria Molina
First District

Mark Ridley-Thomas
Second District

Zev Yaroslavsky
Third District

Don Knabe
Fourth District

Michael D. Antonovich
Fifth District

February 25, 2013

AEI CONSULTANTS
5933 WEST CENTURY BOULEVARD SUITE 360
LOS ANGELES CA 90021

Attention: JANN YAMAUCHI

RE: 1181-1253 SUNSET BLVD (ODDS), LOS ANGELES CA 90026

I, the undersigned, being the Custodian or the Keeper of Records, certify that a thorough search for the records you requested was carried out under my direction and control.

This search revealed no records.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, name, or classification; or were not located. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at (323) 890-7801.

Very truly yours,

YVONNE CURTIS, Deputy Health Officer
Public Health Investigation

yc
H-412. 13

14B1 - NO Records Form
Revised 1/28/13

COUNTY OF LOS ANGELES
Public Health

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Fourth District

Michael D. Antonovich
Fifth District

February 25, 2013

AEI CONSULTANTS
5933 WEST CENTURY BOULEVARD SUITE 360
LOS ANGELES CA 90021

Attention: JANN YAMAUCHI

RE: 959-965 EVERETT ST (ODDS), LOS ANGELES CA 90026

I, the undersigned, being the Custodian or the Keeper of Records, certify that a thorough search for the records you requested was carried out under my direction and control.

This search revealed no records.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, name, or classification; or were not located. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

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Very truly yours,

YVONNE CURTIS, Deputy Health Officer
Public Health Investigation

yc
H-411. 13

14B1 - NO Records Form
Revised 1/28/13

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Fifth District

February 25, 2013

AEI CONSULTANTS
5933 WEST CENTURY BOULEVARD SUITE 360
LOS ANGELES CA 90021

Attention: JANN YAMAUCHI

RE: 917 EVERETT ST, LOS ANGELES CA 90026

I, the undersigned, being the Custodian or the Keeper of Records, certify that a thorough search for the records you requested was carried out under my direction and control.

This search revealed no records.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, name, or classification; or were not located. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

If you have any questions regarding your request, please contact our office at (323) 890-7801.

Very truly yours,

YVONNE CURTIS, Deputy Health Officer
Public Health Investigation

yc
H-410. 13

14B1 - NO Records Form
Revised 1/28/13

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1181 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1183 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1185 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

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200 N. Main St., 17th FL, Los Angeles CA 90012

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1187 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

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Request for Information
Hazardous Materials Records

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1189 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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Request for Information
Hazardous Materials Records

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1191 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

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☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
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APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

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Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1193 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1195 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1197 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1199 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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200 N. Main St., 17th FL, Los Angeles CA 90012

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1201 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

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Facility I.D. No.: _____
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Los Angeles City Fire Department

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City: Los Angeles State: CA Zip: 90045

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Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1203 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

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Information is requested for

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Business Name:

Storage Address: 1205 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1207 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
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☐ **INFORMATION AVAILABLE**

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Processor Signature: _____

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TOTAL: **$**

Los Angeles City Fire Department

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Request Date: February 5, 2013

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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1209 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1211 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1213 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1215 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1217 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1219 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1221 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1223 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1225 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

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Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1227 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
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☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
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APPT. TO REVIEW FILE: _____

Processor Signature: _____

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Fee Schedule:
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Request Review File Copies:
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Los Angeles City Fire Department

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City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1229 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1231 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
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Business Name:

Storage Address: 1233 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

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☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1235 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1237 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1239 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1241 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1243 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1245 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1247 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1249 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

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Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: **$**

Los Angeles City Fire Department

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Request for Information
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Request Date: February 5, 2013

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1251 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

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Request No. : _____
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Processor Signature: _____

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Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

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Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1253 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 917 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.: _____
Request No. : _____
Processed Date: _____
APPT. TO REVIEW FILE: _____

Processor Signature: _____

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 959 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date:
APPT. TO REVIEW FILE:

Processor Signature:

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 961 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date:
APPT. TO REVIEW FILE:

Processor Signature:

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 963 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date:
APPT. TO REVIEW FILE:

Processor Signature:

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Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 965 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date:
APPT. TO REVIEW FILE:

Processor Signature:

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Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: **$**

Los Angeles City Fire Department

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200 N. Main St., 17th FL, Los Angeles CA 90012

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Hazardous Materials Records

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Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1181 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature:
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jenn Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1183 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: P.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1185 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☒ **HARD FILE DESTROYED**

☒ **INFORMATION AVAILABLE**

Facility I.D. No.: FA 28838
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4256

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1187 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1189 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: A.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)848-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1191 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

Fee Schedule:
Inventory Summary $11.00

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: $ _____

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1193 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1195 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: R.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1197 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)546-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1199 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1201 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/15/13
APPT. TO REVIEW FILE:
Processor Signature: R.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1203 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: A.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1205 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: R.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-6594

Company/Agency: AEI Consultants Ph. #: (310)798-4256

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1207 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2-13-13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 380

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1209 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1211 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)848-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1213 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature:
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1215 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: A.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1217 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1219 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1221 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: B.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4265

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1223 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1226 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1227 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1229 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☐ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☒ **INFORMATION AVAILABLE**

Facility I.D. No.: FA 9629
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)848-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1231 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature:
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1233 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1235 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1237 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90028

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: Q.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1239 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature:
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1241 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

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HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $ _____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)946-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4256

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1243 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: A.N.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
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TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 6, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1245 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: R.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
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TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)848-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1247 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
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# of pgs. _____ x $0.10 = $ _____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl., Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-6594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1249 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

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Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1251 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No.:
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
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# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)848-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 1253 Sunset Boulevard Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

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☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
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# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th Fl. Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 6, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 917 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $ ____

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5584

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 959 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: D.V.

Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. _____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5694

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 961 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: DV.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 **Fax** (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

*** COMPLETE ONE FORM FOR EACH ADDRESS**

Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@eeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 963 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
HARD FILE DESTROYED

Fee Schedule:
Inventory Summary $11.00

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:
Processor Signature: D.V.
Allow 5 working days for processing

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. ____ x $0.10 = $

TOTAL: $

Los Angeles City Fire Department

Telephone (213) 978-3691 Fax (213) 978-3615
200 N. Main St., 17th FL, Los Angeles CA 90012

Request for Information
Hazardous Materials Records

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Request Date: February 5, 2013

Requestor's Name: Jann Yamauchi; jyamauchi@aeiconsultants.com Fax #: (310)846-5594

Company/Agency: AEI Consultants Ph. #: (310)798-4255

Address: 5933 West Century Boulevard Unit/Ste. #: Suite 360

City: Los Angeles State: CA Zip: 90045

Information is requested for

☐ Active Facilities Only

Check all that apply: ☒ Inventory Summary ☒ Review File (appt. required)

Business Name:

Storage Address: 965 Everett Street Unit/Ste. #:

City: Los Angeles State: CA Zip: 90026

Reason for Request: Environmental Site Assessment

FOR OFFICE USE ONLY

☒ **NO INFORMATION ON FILE**
☐ **HARD FILE DESTROYED**

☐ **INFORMATION AVAILABLE**

Facility I.D. No.:
Request No. :
Processed Date: 2/13/13
APPT. TO REVIEW FILE:

Processor Signature: J.V.
Allow 5 working days for processing

Fee Schedule:
Inventory Summary $11.00

Request Review File Copies:
Initial Fee $ 1.10
# of pgs. x $0.10 = $

TOTAL: $

LOS ANGELES FIRE DEPARTMENT
UNDERGROUND TANKS REQUEST FOR FIRE PREVENTION RECORDS

ADDRESS: 221 NORTH FIGUEROA ST., 15TH FLR.STE.1500
OFFICE# - 213/482-7115 NEW FAX# - 213/482-6529

PLEASE GIVE US 4 TO 5 BUSINESS DAYS TO HONOR YOUR REQUEST.

ONE ADDRESS ONLY - PER SHEET

↓ COMPLETE THIS BOX. ONE FOR EACH PROPERTY CONCERNED ↓

PHONE NO: (310) 798-4255 FAX NO: (310) 846-5594

NAME OF REQUESTER (PLEASE PRINT): Jann Yamauchi

REPRESENTING (COMPANY NAME): AEI Consultants

SIGNATURE: _____ DATE: February 5, 2013

DRIVER LIC NO: _____ EXP: _____

ADDRESS FOR WHICH RECORDS ARE REQUESTED: **1181-1253 Sunset Boulevard (odds)**
Los Angeles, CA 90026

REASON FOR REQUEST: Environmental Assessment Report

NO COPY SERVICES ALLOWED

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4th FLOOR, 201 N. Figueroa (REV CODE #3887)

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LOS ANGELES FIRE DEPARTMENT
UNDERGROUND TANKS REQUEST FOR FIRE PREVENTION RECORDS

ADDRESS: 221 NORTH FIGUEROA ST., 15TH FLR.STE.1500
OFFICE# - 213/482-7115 NEW FAX# - 213/482-6529

PLEASE GIVE US 4 TO 5 BUSINESS DAYS TO HONOR YOUR REQUEST.

ONE ADDRESS ONLY - PER SHEET

↓ COMPLETE THIS BOX. ONE FOR EACH PROPERTY CONCERNED ↓

PHONE NO: (310) 798-4255 FAX NO: (310) 846-5594

NAME OF REQUESTER (PLEASE PRINT): Jann Yamauchi

REPRESENTING (COMPANY NAME): AEI Consultants

SIGNATURE: _____ DATE: February 5, 2013

DRIVER LIC NO: _____ EXP: _____

ADDRESS FOR WHICH RECORDS ARE REQUESTED: **917, 959-965 Everett Street (odds)**
Los Angeles, CA 90026

REASON FOR REQUEST: Environmental Assessment Report

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BILLING & ACCOUNTS RECEIVABLE
4th FLOOR, 201 N. Figueroa (REV CODE #3887)

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TOTAL FEE AMOUNT: _____

Fax: May 6 2007 07:04pm P005/005

LOS ANGELES FIRE DEPARTMENT
UNDERGROUND TANKS REQUEST FOR FIRE PREVENTION RECORDS

ADDRESS: 221 NORTH FIGUEROA ST., 15TH FLR.STE.1500
OFFICE# - 213/482-7115 NEW FAX# - 213/482-6529

PLEASE GIVE US 4 TO 5 BUSINESS DAYS TO HONOR YOUR REQUEST.

ONE ADDRESS ONLY - PER SHEET

↓ COMPLETE THIS BOX. ONE FOR EACH PROPERTY CONCERNED ↓

PHONE NO: (310) 798-4255 FAX NO: (310) 846-5594

NAME OF REQUESTER (PLEASE PRINT): Jann Yamauchi

REPRESENTING (COMPANY NAME): AEI Consultants

SIGNATURE: _____ DATE: February 5, 2013

DRIVER LIC NO: _____ EXP: _____

ADDRESS FOR WHICH RECORDS ARE REQUESTED: **1181-1253 Sunset Boulevard (odds) Los Angeles, CA 90026**

REASON FOR REQUEST: Environmental Assessment Report

NO COPY SERVICES ALLOWED

BILLING & ACCOUNTS RECEIVABLE
4th FLOOR, 201 N. Figueroa (REV CODE #3887)

FOR OFFICE USE ONLY:

☐ REVIEW ONLY (NO COPIES)

☐ REQUEST COPIES

NUMBER OF PAGES: _____

X .10 ¢

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TOTAL FEE AMOUNT: _____

NO FILE FOUND

Fax: May 8 2007 07:38am P005/005

Feb 11 2013 11:21am P005/012

LOS ANGELES FIRE DEPARTMENT
UNDERGROUND TANKS REQUEST FOR FIRE PREVENTION RECORDS

ADDRESS: 221 NORTH FIGUEROA ST., 15TH FLR.STE.1500
OFFICE# - 213/482-7115 NEW FAX# - 213/482-6529

PLEASE GIVE US 4 TO 5 BUSINESS DAYS TO HONOR YOUR REQUEST.

ONE ADDRESS ONLY - PER SHEET

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PHONE NO: (310) 798-4255 FAX NO: (310) 846-5594

NAME OF REQUESTER (PLEASE PRINT): Jann Yamauchi

REPRESENTING (COMPANY NAME): AEI Consultants

SIGNATURE: _____ DATE: February 5, 2013

DRIVER LIC NO: _____ EXP: _____

ADDRESS FOR WHICH RECORDS ARE REQUESTED: **917, 959-965 Everett Street (odds)**
Los Angeles, CA 90026

REASON FOR REQUEST: Environmental Assessment Report

NO COPY SERVICES ALLOWED

BILLING & ACCOUNTS RECEIVABLE
4th FLOOR, 201 N. Figueroa (REV CODE #3887)

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TOTAL FEE AMOUNT: _____

NO FILE FOUND

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Fax: Mar 8 2007 07:08pm P005/005

AEI Consultants
Environmental & Engineering Services
5933 W. Century Blvd., Suite 360 Los Angeles, CA 90045
Tel: 310.798.4255 Fax: 310.846.5594

February 5, 2013

Industrial Waste Management Division
of the Los Angeles Bureau of Sanitation
2714 Media Center Drive
Los Angeles, California 90065
Ph: (323) 342-6200
Fax: (323) 342-6111

Subject: Records for Clarifier Systems and Industrial Wastewater Discharge Permits

To Whom It May Concern:

I am conducting an environmental assessment at the following locations:

1181-1253 Sunset Boulevard (odds)
Los Angeles, CA 90026

For the purposes of my report, I am requesting any records that your department may have on:

- Records of a clarifier system
- historical or present permits/certifications for the discharge/disposal wastewater
- any Notice of Violation and/or Notice to Comply issued.

Please fax me any information that you may have regarding this matter. I can be reached at (310) 798-4255 ext. 208, should you have any questions or require more information. I appreciate your prompt assistance in this matter!

Sincerely,

Jann Yamauchi
Project Manager
AEI Consultants
5933 West Century Boulevard, Suite 360
Los Angeles, CA 90045

office 310.798.4255 ext 1208
fax 310.846.5594
jyamauchi@aeiconsultants.com

AEI Consultants
Environmental & Engineering Services
5933 W. Century Blvd., Suite 360 Los Angeles, CA 90045
Tel: 310.798.4255 Fax: 310.846.5594

February 5, 2013

Industrial Waste Management Division
of the Los Angeles Bureau of Sanitation
2714 Media Center Drive
Los Angeles, California 90065
Ph: (323) 342-6200
Fax: (323) 342-6111

Subject: Records for Clarifier Systems and Industrial Wastewater Discharge Permits

To Whom It May Concern:

I am conducting an environmental assessment at the following locations:

917, 959-965 Everett Street (odds)
Los Angeles, CA 90026

For the purposes of my report, I am requesting any records that your department may have on:

- Records of a clarifier system
- historical or present permits/certifications for the discharge/disposal wastewater
- any Notice of Violation and/or Notice to Comply issued.

Please fax me any information that you may have regarding this matter. I can be reached at (310) 798-4255 ext. 208, should you have any questions or require more information. I appreciate your prompt assistance in this matter!

Sincerely,

Jann Yamauchi
Project Manager
AEI Consultants
5933 West Century Boulevard, Suite 360
Los Angeles, CA 90045

office 310.798.4255 ext 1208
fax 310.846.5594
jyamauchi@aeiconsultants.com

CITY OF LOS ANGELES

CALIFORNIA

BOARD OF
PUBLIC WORKS

COMMISSIONERS

CAPRI W. MADDOX
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NEIL M. GUGLIELMO
ACTING CHIEF FINANCIAL OFFICER

INDUSTRIAL WASTE
MANAGEMENT DIVISION
2714 MEDIA CENTER DRIVE
LOS ANGELES, CA 90065
OFFICE: (323) 342-6200
FAX: (323) 342-6111

05-Feb-13

Jann Yamauchi

AEI Consultants

5933 West Century Boukevard, Suite 360

Los Angeles, CA 90045

INDUSTRIAL WASTE DISCHARGE PERMIT INFORMATION

Your request to research our files for Industrial Waste Discharge permit information was done by my staff. Our records show the following findings:

[X] No permit on file for: **1181,1183,1187-1253 (odds) Sunset Bl., Los Angles, CA. 90026.**
917, 959-965 (odds) Everett St., Los Angeles, CA. 90026

[X] Permits have been issued for: **1185 Sunset Bl., Los Angles, CA. 90026**

(see attachments)

[X] No citation have been issued for the past 5 years.

[ ] Yes, citations have been issued (see attachments).

The cost of generating this report is $ **$2.30**

Please remit a check in the above amount, payable to "Department of Public Works", and mail to:

Bureau of Sanitation

Industrial Waste Management Division

2714 Media Center Drive

Los Angeles, CA 90065

Attn: Admin Inspection Group

If you have any questions, please contact Ramy Sharobeem of my staff at (323) 342-6064.

Sincerely,

ENRIQUE C. ZALDIVAR, Director

Bureau of Sanitation

By: Robert A. Yokomizo

Tim Dafeta, Manager

Industrial Waste Management Division

FOR

C: Attachment [X] yes [ ] no

Ramy Sharobeem

RECEIVED JAN 1 1966

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION

MAIL TO:

IND.WASTE ENGR.
SEWER MAINT. DIV.
ROOM 750, CITY HALL
LOS ANGELES, CALIF. 90012

MAdison 4-5211
Ext. 1758

PREVIOUS PERMIT W-23023 11/62

APPLICATION FOR INDUSTRIAL WASTE PERMIT
See Reverse Side For Fee Schedule
(Submit in Dupplicate)

W-29023

1. Firm Name: Hernandez Richfield Service 2. Type of Business (RICHFIELD) SERVICE STATION (04)
3. Installation Address: 1165 W. Sunset Blvd / 90012 / 624-0619
   Number & St. Zone Phone
4. Mailing Address: SAME
   Number & St. City Zone State
5. Processes discharging liquid wastes: Floor Washing (77)
   CAR Washing (33)
6. Chemical and physical characteristics of above waste discharge: DIRT, OIL & GREASE
7. Name of Applicant or Representative of Firm: Fernando Hernandez Title OWNER
   Printed
   Signature: [signature] Date 1-4-66

OVER DO NOT WRITE BELOW THIS LINE -- FOR OFFICE USE ONLY OVER

( ) New ( ) Revision or Addition (X) Change of Ownership

8. Discharge will be to (X) Sewer ( ) S.D. ( ) Watercourse ( ) Other
   Size and Location: 8" CLAY PIPE SEWER IN VAN NUYS STREET ( ) Garb. Grinder?
   Max Total (2)
9. Flow Characteristics: Flow gpm: Flow: 200 gpd
   Make Model
   Seating Capacity
10. Required Treatment: CLARIFICATION (24)
11. Required Treatment Facility: 3-C-CLARIFIER (25)
    Meals Served
    6'L x 2'W x 2' D.I
12. Additional Information: TYPICAL SERVICE STATION OPERATION
    Garbage Gallons
    Grease Trap ( ) Yes ( ) No
13. Class 1 District 3 Submitted by Inspector Alden Allen
14. Recommended by: J. A. Bell Sr. Industrial Waste Insp. Date: 1-6-66
15. Applicant (Line 7) [signature] Signature Date: 1-4-66

ENTERED JAN 13 1966

IT. APPLICANT: A permit is issued subject to conditions shown hereon and is revocable for non-compliance at any time with the regulating provisions of the Los Angeles Municipal Code or any policy of the Board of Public Works adopted pursuant thereto.

SHIPPED JAN 1 1966

DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION

Industrial Waste [illegible]
Sewer Maintenance [illegible]
Room 750, City Hall
Los Angeles 12, Calif.

MAdison 4-5211
ext. 759

Canceled for Non-payment Annual Fee 6/3/62 Elm.

ENTERED FEB 21 1961

FEE OF $12.00 ENCLOSED MADE PAYABLE TO THE DEPARTMENT OF PUBLIC WORKS

APPLICATION FOR INDUSTRIAL WASTE PERMIT
(Submit in duplicate)

W-21343

(x) New ( ) Revision or Addition ( ) Chg of Ownership

1. Firm Name: Richfield Oil Corporation 2. Type of Business: Service Station

3. Installation Address: 1185 Sunset Blvd, Los Angeles 26 / 12 MA 9-4111
Number & St. Zone Phone

4. Mailing Address: 645 S. Mariposa, Los Angeles 5, Calif.
Number & St. City Zone State

5. Processes discharging liquid wastes to sewerage system:

Auto washing

Connected to Wash Rack

6. Chemical and physical characteristics of above waste discharge:

Detergent and solvents.

7. Name of Applicant or Representative of Firm: L. N. Dysart Title: Engineer
Printed

Signature: L. N. Dysart Date: 2/13/61

DO NOT WRITE BELOW THIS LINE --- FOR OFFICE USE ONLY

8. Discharge will be to (X)Sewer ( )Storm Drain ( )Other ( )Garbage Grinder

Size and Location: 8" Vit Clay pipe sewer in Everett St.

9. Flow Characteristics: Max Flow ___ gpm; Total Flow 200 gpd.

10. Required Treatment: Clarification - (Constructed)

11. Required Treatment Facility: 3-C-C- 6'x2'x2' B.I.

Make Model
Seating Capacity
Meals Served
Garbage Gallons
Grease Trap ( ) Yes ( ) No

12. Additional Information: This is a new service and the applicant proposes to perform occasional car washing for his customers

13. Class 1 District 3 Submitted by Inspector: [illegible]

14. Recommended by: E. A. BELL Date: 2-17-61
Sr. Industrial Waste Inspector

15. Applicant (line 7) Date

16. Approved: E. A. BELL Date: 3/6/61
Signature
Industrial Waste Engineer

DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION

Industrial Waste Engr.
Sewer Maintenance Div.
Room 750, City Hall
Los Angeles 12, Calif.

Ext 1159

CANCEL
C/O A. ALLEN

FEE OF $12.00 ENCLOSED MADE PAYABLE TO THE DEPARTMENT OF PUBLIC WORKS

ENTERED NOV 2 3 1962

W-23756

APPLICATION FOR INDUSTRIAL WASTE PERMIT
(SUBMIT IN DUPLICATE)

1. Firm Name: Charles R. Shanes 2. Type of Business (Richfield) Service Station (04)
3. Installation Address: 1185 Sunset Blvd 12 629-0474
Number & St. Zone Phone
4. Mailing Address: 1185 Sunset Blvd Losangeles 12 Calif
Number & St. City Zone State
5. Processes discharging liquid wastes to sewerage system:
Occasional Car wash (33)
6. Chemical and physical characteristics of above waste discharge:
Dirt, oil, grease
7. Name of Applicant or Representative of Firm: CHARLES R. SHANES Title Owner
Printed
Signature Charles R. Shanes Date 10-23-62

formerly W-23195 W-16K

DO NOT WRITE BELOW THIS LINE --- FOR OFFICE USE ONLY

( ) New ( ) Revision or Addition (X) Chg of Ownership

8. Discharge will be to (X)(1) Sewer ( ) Storm Drain ( ) Other
Size and Location: 8-inch clay pipe sewer in that street

9. Flow Characteristics: max Flow ___ gpm; Total Flow (1) 250 gpd.

10. Required Treatment Clarification (02)

11. Required Treatment Facility: (12) 3-C-Clarifier 6'x2'x2' BI

12. Additional Information:

( )Garbage Grinder
Make Model
Seating Capacity
Meals Served
Garbage Gallons
Grease Trap ( ) Yes ( ) No

13. Class 1 District 3 Submitted by Inspector William H. Hopkins

14. Recommended By: G. A. Bell Date 11-19-62
Sr. Industrial Waste Inspector

15. Applicant (line 7) Charles R. Shanes Date 10-23-62
Signature

16. Approved: [signature] Date 11-21-62
Industrial Waste Engineer

DEPARTMENT OF PUBLIC WORKS
BUREAU OF SANITATION

Ext. 759

Industrial Waste Engr.
Sewer Maintenance Div.
Room 750, City Hall
Los Angeles 12, Calif.

FEE OF $12.00 ENCLOSED MADE PAYABLE TO THE DEPARTMENT OF PUBLIC WORKS

APPLICATION FOR INDUSTRIAL WASTE PERMIT
(SUBMIT IN DUPLICATE)

W-23195

ENTERED JUL 2 1962

1. Firm Name: D.B.A. Jack Sery-Acenter Type of Business SER-STA
2. Installation Address: 1185 Sunset (Number & St.) 12 (Zone) MAS-8353 (Phone)
3. Mailing Address: Same (Number & St.) (City) (Zone) (State)
4. Processes discharging liquid wastes to sewerage system:
   Car Wash-floors 33-77
5. Chemical and physical characteristics of above waste discharge:
   Soap
6. Name of Applicant or Representative of Firm: Lloyd Johnston (Printed) Title Owner
   Signature Lloyd Johnston Date 6-3-62

DO NOT WRITE BELOW THIS LINE --- FOR OFFICE USE ONLY

( ) New ( ) Revision or Addition (X) Chg of Ownership

7. Discharge will be to (X)Sewer ( )Storm Drain ( )Other
   Size and Location: Sunset Blvd. 8" V.C.P.
8. Flow Characteristics: Max Flow ___ gpm; Total Flow 200 (1) gpd.
9. Required Treatment Clarifier (02)
10. Required Treatment Facility: Sand-Oil Trap (12)
11. Additional Information: Now Washing Cars Connected to Sewer Required Annual Inspection Fee Due Each Year Industrial Class (04)
12. Class 1 District 3 Submitted by Inspector [signature] 6/6/62
13. Recommended By: [signature] Date 6-6-62
    Sr. Industrial Waste Inspector
14. Applicant (line 7) [signature] Date 6-3-62
    Signature
15. Approved: [signature] Date 7-2-62
    Industrial Waste Engineer

( ) Garbage Grinder
Make Model
Seating Capacity
Meals Served
Garbage Gallons
Grease Trap ( ) Yes ( ) No

CAS

W-492267 IU#-IU010942 STATUS: I SIU SECT.: N DISTRICT: 03 SUBDIST: 03
FOG ZONE: SUB-ZONE:

INSPECTOR: ERNIE DIMACULANGAN, JINN LIN

* APPLICATION

APPL. REASON: New or Proposed Point of Discharge
RECEIVED DATE: 05/20/94 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: ARTURO GONZALES
DBA NAME: BEST WAY HAND CAR WASH
BUSINESS TYPE CAR WASH AND DETAILING
OWNERSHIP TYPE Sole Proprietorship
ADDRESS: 1185 W SUNSET Boulevard
LOS ANGELES, CA 90026
CONTACT NAME: ARTURO GONZALES TITLE: OWNER
BTRC: 0000126304-53 PHONE: (213) 250-7596

* INDUSTRIAL USER MAILING ADDRESS

NAME: SAME AS LEGAL NAME
ADDRESS: 4470 107 W SUNSET Boulevard, Room 218
LOS ANGELES, CA 90027
OR P.O. BOX: PHONE:
ATTENTION:

* BILLING ADDRESS

NAME: BEST WAY HAND CAR WASH
ADDRESS: 1185 W SUNSET Boulevard
LOS ANGELES, CA 90026
OR P.O. BOX: PHONE: (213) 250-5245
ATTENTION: Arturo Gonzales

* CORPORATE OFFICERS

NAME 1: ARTURO GONZALES
TITLE 1: OWNER

* PROPERTY OWNER

NAME: STEVE WINTMER
ADDRESS: 1229 SUNSET Boulevard
LOS ANGELES, CA 90026
OR P.O. BOX: PHONE:
ATTENTION: STEVE WINTMER

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: ARTURO GONZALES
ADDRESS: 1185 W SUNSET Boulevard
LOS ANGELES, CA 90026
OR P.O. BOX: PHONE: (213) 250-7596
ATTENTION: ARTURO GONZALES

COUNCIL DIST.:

* GENERAL INFORMATION

STATUS: I
DISTRICT: 03 North District SUB-DISTRICT: 03
FOG ZONE: SUB-ZONE:
DISCHARGE START DATE: 06/13/1994
FINAL DISPOSAL CODE: 01 Public Sewer
IND. CLASS.: 007 007-Auto Laundry
INSP. CLASS.: IP03 Inspection & Control Fee Class 3
BILLING TYPE/FREQ: R Permit for private industries / Quarterly
RESTAURANT SEATING CAP:
LAUNDRY WASHER COUNT/CAPACITY(lbs): /
NUMBER OF GARBAGE GRINDER/EFF DATE: /

* FACILITY CLASSES

CLASS: LIU:LIU
NPDES:NPDES

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU
PERMIT EFF. DATE: 06/21/1994 AMENDED DATE: 09/30/1997
PERMIT EXP. DATE:
SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE: 11/15/2009
TERMINATION REASON: Change of Ownership
REQUESTOR: EDDIMACU

* LATERAL CONNECTION ------ SEWER CONNECTION ------

DESCRIPTION: Public Sewer - Outlet Num : 0100
WYE MAP ID: SEWER PERMIT:
PIPE MATERIAL: CPS SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	100	/	06/13/1994
MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	28,800	/	01/01/1996
TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	2,245	/	04/07/2009
AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:			
AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:			
SFC FLOW (GPD, CAL.)			
SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:	2,245	/	04/07/2009
SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:			

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: 283 MG/L BOD: 252 MG/L
ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 01-001 CLARIFIER W/SB IN WASHING AREA -- NORMAL OPERATIONS

W-492267 PERMITTEE INFORMATION SHEET

SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 06/13/1994

* PROCESS UNIT OPERATION

PUO Code:

* PRETREATMENT UNIT OPERATION

PTUO CODE:		
01001	CL0020	CLARIFICATION - 3 COMPARTMENT 6X2X2, 180 GAL BELOW INVERT W/SAMPLE BOX

* SIC

SIC CODE:

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.:

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: ..... DATE: .....

APPROVED BY: ..... DATE: .....

ENTERED BY: ..... DATE: .....

RUN DATE: 2/5/2013
RUN BY: RSHAROBEEM

W-522783 IU#-IU120749 STATUS: I SIU SECT.: N DISTRICT: 03 SUBDIST: 03
FOG ZONE: SUB-ZONE:

INSPECTOR: ERNIE DIMACULANGAN, JINN LIN

* APPLICATION

APPL. REASON: New Ownership
RECEIVED DATE: 12/01/09 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: SIGFRIDO MATA
DBA NAME: INFINITY CAR WASH
BUSINESS TYPE Car Wash
OWNERSHIP TYPE Sole Proprietorship
ADDRESS: 1185 W Sunset Boulevard
Los Angeles, CA 90012
CONTACT NAME: Sigfrido Mata TITLE: Owner
BTRC: 0000657668-0001-1 PHONE: (323) 945-9174

* INDUSTRIAL USER MAILING ADDRESS

NAME: INFINITY CAR WASH
ADDRESS:
Los Angeles, CA 90086
OR P.O. BOX: 86561 PHONE: (323) 945-9174
ATTENTION: Sigfrido Mata

* BILLING ADDRESS

NAME: INFINITY CAR WASH
ADDRESS:
Los Angeles, CA 90086
OR P.O. BOX: 86561 PHONE: (323) 945-9174
ATTENTION: Sigfrido Mata

* CORPORATE OFFICERS

NAME 1: Sigfrido Mata
TITLE 1: Owner

* PROPERTY OWNER

NAME: Steven Winter
ADDRESS: 1229 Sunset Boulevard
Los Angeles, CA 90026
OR P.O. BOX: PHONE: (213) 250-3970
ATTENTION: Steven Winter

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: INFINITY CAR WASH
ADDRESS: 1185 W Sunset Boulevard
Los Angeles, CA 90012
OR P.O. BOX: PHONE: (323) 945-9174
ATTENTION: Sigfrido Mata

COUNCIL DIST.: 1 Ed Reyes

* GENERAL INFORMATION

STATUS: I
DISTRICT: 03 North District SUB-DISTRICT: 03
FOG ZONE: SUB-ZONE:
DISCHARGE START DATE: 11/18/2009
FINAL DISPOSAL CODE: 01 Public Sewer
IND. CLASS.: 007 007-Auto Laundry
INSP. CLASS.: IP03 Inspection & Control Fee Class 3
BILLING TYPE/FREQ: R Permit for private industries / Quarterly
RESTAURANT SEATING CAP:
LAUNDRY WASHER COUNT/CAPACITY(lbs): /
NUMBER OF GARBAGE GRINDER/EFF DATE: /

* FACILITY CLASSES

CLASS: LIU:LIU
NPDES:NPDES

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU
PERMIT EFF. DATE: 11/18/2009 AMENDED DATE:
PERMIT EXP. DATE:
SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE: 12/31/2010
TERMINATION REASON: Out of Business
REQUESTOR: EDDIMACU

* LATERAL CONNECTION ------ SEWER CONNECTION ------

DESCRIPTION: Public Sewer - Outlet Num : 0100
WYE MAP ID: SEWER PERMIT: 5783-19
PIPE MATERIAL: SIZE (INCHES):

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	1,926	/	02/09/2010
MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	1,926	/	02/09/2010
TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	1,926	/	02/09/2010
AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:			
AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:			
SFC FLOW (GPD, CAL.)			
SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:	1,926	/	02/09/2010
SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:			

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: 283 MG/L BOD: 252 MG/L
ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 01-001 SAMPLE BOX OF 3-STAGE CLARIFIER -- NORMAL OPERATIONS

SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 11/16/2009

* PROCESS UNIT OPERATION

PUO Code: WASC 000 Automobile/Motorcycle/Bicycle Washing - Automobile/Motorcycle/Bicycle Washing

* PRETREATMENT UNIT OPERATION

PTUO CODE:

01001	CL0020	CLARIFICATION - 3 COMPARTMENT 6X2X2, 180 GAL BELOW INVERT W/SAMPLE BOX

* SIC

SIC CODE: 7542 Carwashes

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.:

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: ..... DATE: .....

APPROVED BY: ..... DATE: .....

ENTERED BY: ..... DATE: .....

RUN DATE: 2/5/2013
RUN BY: RSHAROBEEM

W-529931 IU#-IU124350 STATUS: A SIU SECT.: N DISTRICT: 03 SUBDIST: 03
FOG ZONE: SUB-ZONE:
INSPECTOR: ERNIE DIMACULANGAN, JINN LIN

* APPLICATION

APPL. REASON: New Ownership
RECEIVED DATE: 03/21/11 RECEIPT #:

* INDUSTRIAL USER

LEGAL BUS. NAME: DANIEL VELIZ & ROBERT ALANIZ
DBA NAME: FRIEND'S CAR WASH
BUSINESS TYPE Hand Car Wash
OWNERSHIP TYPE General Partnership
ADDRESS: 1185 W Sunset Boulevard
Los Angeles, CA 90012
CONTACT NAME: Daniel Veliz TITLE: Co-Owner
BTRC: 0002534368-0001-6 PHONE: (562) 567-5313

* INDUSTRIAL USER MAILING ADDRESS

NAME: FRIEND'S CAR WASH
ADDRESS: 1185 W Sunset Boulevard
Los Angeles, CA 90012
OR P.O. BOX: PHONE: (562) 567-5313
ATTENTION: Daniel Veliz

* BILLING ADDRESS

NAME: FRIEND'S CAR WASH
ADDRESS: 1185 W Sunset Boulevard
Los Angeles, CA 90012
OR P.O. BOX: PHONE: (562) 567-5313
ATTENTION: Daniel Veliz

* CORPORATE OFFICERS

NAME 1: Daniel Veliz
TITLE 1: Co-Owner

NAME 2: Roberto Alaniz
TITLE 2: Co-Owner

* PROPERTY OWNER

NAME: Steven M Wintner
ADDRESS: 608 S Highland Avenue
Los Angeles, CA 90036
OR P.O. BOX: PHONE: (213) 250-3970
ATTENTION: Steven Wintner

* PERMITTEE LOCATION ADDRESS

DESCRIPTION: FRIEND'S CAR WASH
ADDRESS: 1185 W Sunset Boulevard
Los Angeles, CA 90012
OR P.O. BOX: PHONE: (562) 567-5313
ATTENTION: Daniel Veliz

COUNCIL DIST.: 1 Ed Reyes

* GENERAL INFORMATION

STATUS: A
DISTRICT: 03 North District SUB-DISTRICT: 03
FOG ZONE: SUB-ZONE:
DISCHARGE START DATE: 04/01/2011
FINAL DISPOSAL CODE: 01 Public Sewer
IND. CLASS.: 007 007-Auto Laundry
INSP. CLASS.: IP03 Inspection & Control Fee Class 3
BILLING TYPE/FREQ: R Permit for private industries / Quarterly
RESTAURANT SEATING CAP:
LAUNDRY WASHER COUNT/CAPACITY(lbs): /
NUMBER OF GARBAGE GRINDER/EFF DATE: /

* FACILITY CLASSES

CLASS: LIU:LIU

* SMR FREQUENCIES

FEDERAL: LOCAL: SURCHARGE:

* PERMIT CERTIFICATE

PERMIT TYPE: LIU
PERMIT EFF. DATE: 04/01/2011 AMENDED DATE:
PERMIT EXP. DATE:
SIU GROUP:

* PERMIT TERMINATION

TERMINATION DATE:
TERMINATION REASON:
REQUESTOR:

* LATERAL CONNECTION ------ SEWER CONNECTION ------

DESCRIPTION:
WYE MAP ID: SEWER PERMIT:
PIPE MATERIAL: SIZE (INCHES): 0

* FLOW INFORMATION

ORIGINAL TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	500	04/19/2011
MAXIMUM TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	904	06/07/2012
TOTAL DISCHARGE FLOW (GPD, CAL.)/EFF. DATE:	904	06/07/2012
AVG CALENDAR DAY FLOW (GPD, CAL.)/EFF. DATE:		
AVG OPERATIONAL DAY FLOW (GPD, CAL.)/EFF. DATE:		
SFC FLOW (GPD, CAL.)		
SURCHARGE FLOW (GPD, CAL.)/EFF. DATE:	904	06/07/2012
SURCHARGE PSDF FLOW (GPD, CAL.)/EFF. DATE:		

* SURCHARGE INFORMATION

QUARTERLY SURCHARGE VALUES: SS: 283 MG/L BOD: 252 MG/L
ZERO BASED QUALITY SURCHARGE INDICATOR: N

* SAMPLE POINT INFORMATION

SP: 01-001 CLARIFIER WITH SAMPLE BOX -- NORMAL OPERATIONS
SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 04/01/2011

* PROCESS UNIT OPERATION

PUO Code: WASC 000 Automobile/Motorcycle/Bicycle Washing - Automobile/Motorcycle/Bicycle Washing

* PRETREATMENT UNIT OPERATION

PTUO CODE:		
01001	CL0020	CLARIFICATION - 3 COMPARTMENT 6X2X2, 180 GAL BELOW INVERT W/SAMPLE BOX

* SIC

SIC CODE: 7542 Carwashes

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.:

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: _____ DATE: _____

APPROVED BY: _____ DATE: _____

ENTERED BY: _____ DATE: _____

RUN DATE: 2/5/2013
RUN BY: RSHAROBEEM

SP: 01-001 CLARIFIER WITH SAMPLE BOX -- NORMAL OPERATIONS
SP TYPE: End-of-Pipe SSF: N FLOW METER PRESENT: N EFFECTIVE DATE: 04/01/2011

* PROCESS UNIT OPERATION

PUO Code: WASC 000 Automobile/Motorcycle/Bicycle Washing - Automobile/Motorcycle/Bicycle Washing

* PRETREATMENT UNIT OPERATION

PTUO CODE:

01001	CL0020	CLARIFICATION - 3 COMPARTMENT 6X2X2, 180 GAL BELOW INVERT W/SAMPLE BOX

* SIC

SIC CODE: 7542 Carwashes

* NAICS

NAICS CODE:

* COOLING TOWER

TONNAGE:

* OTHER ENVIRONMENTAL PERMIT(S)

PERMIT#/DESCRIPT.:

* OTHER INDUSTRIAL WASTEWATER PERMIT(S)

PERMIT NUMBER(S):

PREPARED BY: ..... DATE: .....

APPROVED BY: ..... DATE: .....

ENTERED BY: ..... DATE: .....

RUN DATE: 2/5/2013
RUN BY: RSHAROBEEM

APPENDIX E

ASTM USER QUESTIONNAIRE

ASTM E 1527-05 User Questionnaire

In order to qualify for the protection offered under the EPA All Appropriate Inquiry (AAI) Standard, the **User** (entities seeking to use the ASTM E1527-05 Practice to complete an environmental site assessment of the property; i.e. Lenders and/or Borrowers) must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that AAI is not complete. This information should be the collective knowledge of the entities relying on the Phase I. **Please note that you are not being asked to evaluate the property, but rather to provide your knowledge of information on the property.**

Site Name/Address: 1185 - 1245 W. Sunset Blvd and 959 - 963 Everett St, Los Angeles, CA 90026

Person Interviewed/Title: Fred Shaffer - Manager LA Region Date: 2-3-2013

If known, when was the property initially developed? Not known

If different, when were the current building(s) on the property constructed? Not known

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? (**Note:** If unknown, a review of title records or an environmental lien search is recommended)

Yes ☐ No ☑ If you answer yes, please include an explanation in the space provided below:

_____
_____
_____
_____

2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Engineering Controls are defined as physical modifications to a site or facility to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property). *Institutional Controls* are defined as a legal or administrative restriction on the use of, or access to, a site or facility to 1) reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property, or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Yes ☐ No ☑ If you answer yes, please include an explanation in the space provided below:

_____
_____
_____
_____

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *User* of this *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes☐ No☑ If you answer yes, please include an explanation in the space provided below:

_____
_____
_____
_____

4. Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

a) Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*?

Yes☑ No☐ If you answer no, please include an explanation in the space provided below, including whether the lower purchase price is because contamination is known or believed to be present at the *property*?

_____
_____
_____
_____

5. Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *User*:

a. Do you know the past uses of the *property*?

Yes☐ No☑

b. Do you know of specific chemicals that are present or once were present at the *property*?

Yes☐ No☑

c. Do you know of spills or other chemical releases that have taken place at the *property*?

Yes☐ No☑

d. Do you know of any environmental cleanups that have taken place at the *property*?

Yes☐ No☑

If you answered yes to any of the questions above, please include an explanation in the space provided below:

_____
_____
_____
_____

6. The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *User* of this *ESA*, based on your knowledge and experience related to the *property*, are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*?

Yes ☐ No ☑ If you answer yes, please include an explanation in the space provided below:

_____
_____
_____
_____

Please provide the following property contact information:

Property Owner: Steve Winter Phone Number: 213-250-3970

Key Site Personnel: _____ Phone Number: _____

Past Owner: _____ Phone Number: _____

APPENDIX F

PREVIOUS REPORTS

April 14, 2005
J.N. 578-04

DRAFT COPY

Ms. Naoma Karageorge
LENNAR SOUTH COAST HOMEBUILDING
25 Enterprise, Suite 250
Aliso Viejo, California, 92656

Subject: Phase I Environmental Site Assessment and Limited Subsurface Investigation; Property Located at Sunset Boulevard and EverettStreet, Los Angeles, California

Dear Ms. Karageorge:

The Environmental Division of Petra Geotechnical, Inc. (Petra) is pleased to present this Phase I Environmental Site Assessment for the above-referenced site. This investigation has been conducted in accordance with our proposal No. 1077-05 dated February 9, 2005 and with the current Standards of Practice for Phase I Environmental Site Assessments as adopted by the American Society for Testing and Materials (ASTM Practice E 1527-00).

This opportunity to be of service to you is sincerely appreciated. Please do not hesitate to call this office if you have questions pertaining to this report.

Respectfully submitted,

Petra Geotechnical, Inc.
ENVIRONMENTAL DIVISION

Joe Carrey
Senior Staff Scientist

Callie L. Cullum
Project Geologist
REA 7511

Brian Villalobos
Division Manager
CEG 1298

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EXECUTIVE SUMMARY

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED SUBSURFACE INVESTIGATION

Limited Subsurface Investigation; Property Located at Sunset Boulevard and EverettStreet, Los Angeles, California

INTRODUCTION

The information presented in this report includes the results of our recent site reconnaissance, a review of pertinent literature, and recent federal, state, and local government agency records, and interviews with persons familiar with the subject site. Our field reconnaissance, data gathering and compilation was performed by Mr. Joe Carrey, with oversight by Callie L. Cullum, Registered Environmental Assessor and Mr. Brian Villalobos, Certified Engineering Geologist.

SITE DESCRIPTION AND GENERAL INFORMATION

1. The subject site is located north of the intersection of Sunset Boulevard and Everett Street, in the City of Los Angeles, California. At the time of our inspection, the site consisted of a hardware store with associated storage buildings, a residence, a car wash, multiple bungalows, a vacant lot and a restaurant.

2. The site has been developed since at least 1909. Historical land use on site included multiple residences, a janitorial supply/disinfectant manufacturer, a sprinkler/valve manufacturer, a gas station, a temple, a car wash, and a restaurant.

3. Based on the date of construction of the current buildings on site, it is possible that asbestos-containing materials and lead-based paints may be present.

4. Fluorescent light fixtures were present throughout the hardware store and associated storage buildings. Based on the age of the buildings, it is possible that the light fixture ballasts contain polychlorinated biphenyls (PCBs).

5. According to the property owner, four gasoline underground storage

tanks (USTs) are currently present beneath the car wash (a former gas station) in the southern portion of the site.

RECOGNIZED ENVIRONMENTAL CONDITIONS

Recognized environmental conditions are defined by the American Society of Testing and Materials (ASTM) as any hazardous substance or petroleum product under conditions that indicate an existing, past, or material threat of release into the structures, ground, groundwater, or surface water at the site. If the presence of recognized environmental conditions are identified on a subject site, it may warrant additional research, site investigation, and/or action.

1. A gas station was present on the southern portion of the site from the 1960's until the mid-1970's. No documented releases were discovered in the course of this investigation. However due to the age of the USTs and the lack of available data, Petra recommended conducting a Limited Phase II subsurface Investigation to determine if a significant release may have occurred in the past.

Phase II Investigation

2. On March 31, 2005, Petra contracted a subsurface geophysical survey on the site to delineate the location of the four USTs and fuel distribution lines heading to a fuel island. Additionally, a waste oil UST in the rear of the car wash was delineated, as well as an area within an auto shop on site, which appeared to have formerly had a hydraulic hoist present. Petra selected boring locations in the vicinity of the delineated areas based on proximity to the areas of concern while allowing room for existing underground electrical and water lines.

3. Fifteen borings were advanced on the site using a hydraulically-driven drill probe. The locations of the borings are discussed above. The borings were drilled to a total depth of approximately 25 feet below grade (fbg). The boring locations are shown on Figure 3. To prevent cross-contamination, all sampling equipment was washed with an Alconox™ and water solution prior to introduction into the subsurface and between borings.

Samples were collected at depths of up to 30 feet below ground surface at 2 2 and 5 foot intervals. Soil samples collected were kept on ice, transported to and analyzed by Orange Coast Analytical Laboratory in Tustin, California, an Environmental Laboratory Accreditation Program (ELAP) accredited laboratory. Sample security was maintained and documented using sample labels and chain-of-custody records. Selected samples were analyzed for volatile organic compounds (VOCs) using Environmental Protection Agency (EPA) Method 8260 and for total petroleum hydrocarbons (TPH), carbon chain identification (CCID) using EPA Method modified 8015. Copies of the official laboratory reports and chain-of-custody records are included in Appendix B.

Discussion of Results

Trace amounts of TPH were encountered in one sample collected at 2 2 fbg from the vicinity of the waste oil UST. No detectable concentrations were found in a five fbg sample taken from the same boring. These levels do not indicate a significant release from the waste oil tank.

No concentrations of TPH or VOCs above the detection limits were identified in any of the remaining samples analyzed.

Based on the findings stated above, Petra was unable to find any evidence that the site had been impacted from petroleum hydrocarbons and/or VOCs related to the former site use. It should be noted that borings could only be collected from the vicinity of the USTs and not directly below them. Therefore there remains the potential for impact to site soils directly below the USTs. The fact that no lateral contamination was detected in samples deeper than the bottom of the USTs appears to indicate that a large scale release has not occurred.

Prior to site development, all USTs on site will need to removed and disposed of in accordance with current regulation.

SITE CONSIDERATIONS

Items are often encountered during the site reconnaissance which are not considered recognized environmental conditions in accordance with ASTM 1527-00 but may warrant consideration in conjunction with any planned development activities. These items are addressed as site considerations.

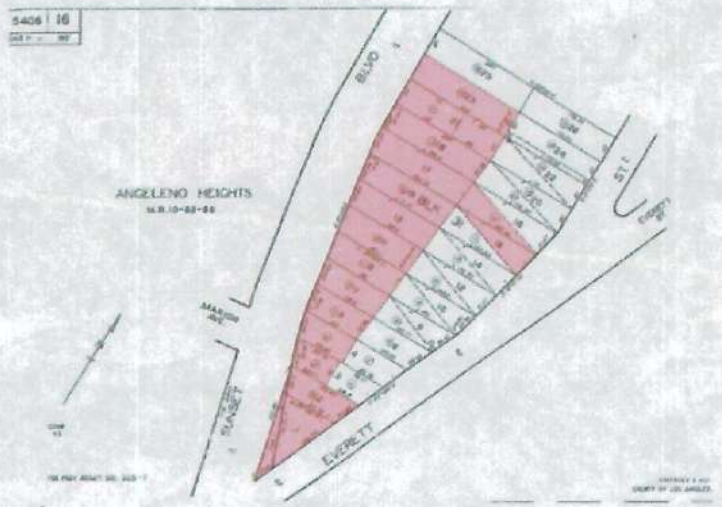
1. If the current buildings are to be demolished or upgraded, it is recommended that a survey for asbestos and lead-based paint be conducted and any identified materials be abated.

APPENDIX G

OTHER SUPPORTING DOCUMENTATION

PROPERTY SUMMARY

APN	Address	Land SF	Sunset Frontage	Zoning	FAR	Max FAR	SF Land Per Unit	Max Units	Improvements
5406-016-003	1197 W. Sunset Blvd.	3,929 sf	53 ft.	C2-1VL	1.5 : 1	5,894 sf	400	9.82	Reliable Do It Center - Owner
5406-016-006	1201 W. Sunset Blvd.	5,043 sf	52 ft.	C2-1VL	1.5 : 1	7,564 sf	400	12.61	Reliable Do It Center - Owner
5406-016-007	1205 W. Sunset Blvd.	5,711 sf	51 ft.	C2-1VL	1.5 : 1	8,566 sf	400	14.28	Vacant Duplex & Reliable Do It Center - Owner
5406-016-010	1211 W. Sunset Blvd.	6,381 sf	51 ft.	C2-1VL	1.5 : 1	9,571 sf	400	15.95	Reliable Do It Center - Owner
5406-016-011	N/A	7,010 sf	51 ft.	C2-1VL	1.5 : 1	10,515 sf	400	17.53	Reliable Do It Center - Owner
5406-016-013	N/A	19,206 sf	51 ft.	C2-1VL	1.5 : 1	28,809 sf	400	48.02	Reliable Do It Center - Owner
5406-016-016	1229 W. Sunset Blvd.	17,232 sf	101 ft.	C2-1VL	1.5 : 1	25,848 sf	400	43.08	Reliable Do It Center - Owner
5406-016-019	1233 W. Sunset Blvd.	7,655 sf	101 ft.	C2-1VL	1.5 : 1	11,483 sf	400	19.14	Reliable Do It Center - Owner
5406-016-021	1243 W. Sunset Blvd.	5,750 sf	50 ft.	C2-1VL	1.5 : 1	8,625 sf	400	14.38	Reliable Do It Center - Owner
5406-016-023	1245 W. Sunset Blvd. (961 & 963 Everett St.)	14,250 sf	50 ft.	C2-1VL	1.5 : 1	21,375 sf	400	35.62	2 SFR
5406-016-028	1185 - 1187 W. Sunset Blvd.	15,002 sf	213 ft.	C2-1VL	1.5 : 1	22,503 sf	400	37.51	Auto Service Center
5406-016-018	959 Everett St.	8,564 sf	-	[Q]R3-1VL	3.0 : 1	25,691 sf	800	10.70	SFR
Total		115,734 sf 2.66 acres	823 ft.			186,446 sf		278.63	



	Address	Improvements
1	1197-1201 W. Sunset Blvd.	Reliable Do It Cener - Owner
2	1205 W. Sunset Blvd.	Vacant Duplex & Reliable Do It Center
3	1211 W. Sunset Blvd.	Reliable Do It Cener - Owner
4	1229 W. Sunset Blvd.	Reliable Do It Cener - Owner
5	1233 W. Sunset Blvd.	Reliable Do It Cener - Owner
6	1243 W. Sunset Blvd.	Reliable Do It Cener - Owner
7	961 Everett St. (1245 W. Sunset Blvd.)	SFR
8.	963 Everett St. (1245 W. Sunset Blvd.)	SFR
9.	1185-1187 W. Sunset Blvd.	Auto Service Center
10.	959 Everett St.	SFR

Dodger Stadium
Subject

APPENDIX H

QUALIFICATIONS

Danny Huerta – Project Manager, Due Diligence Services

BA-Environmental Studies, University of California Santa Barbara

Mr. Huerta has five years experience in the environmental service industry. His past experience includes working as a chemist for an environmental laboratory, as well as a hazardous materials specialist for the Santa Barbara County Fire Department. His project experience has exposed him to working with the interpretation and application of environmental regulation to various facilities including residential, commercial, and industrial sites.

Project experience for Mr. Huerta includes:

- Phase I Environmental Site Assessments and Real Estate Transaction Screens
- Implementation of California's environmental regulations and laws to commercial and industrial facilities
- Investigations of complaints regarding the use, disposal, and storage of hazardous materials
- Inspection and report write-ups for environmentally permitted facilities
- Review of business plan and contingency plan documents for permitted facilities

Mr. Huerta has worked in the environmental industry for the past five years. He has attended various conferences, meetings, and training seminars regarding environmental laws and regulations. Mr. Huerta has also worked with government agencies such as the State Water Board, Fire Departments, and the EPA.

Jann Yamauchi – Project Manager, Due Diligence Services

B.S.-Environmental Engineering, University of Southern California

Ms. Yamauchi has two years of experience in the environmental field. Her past experiences include working at an environmental engineering firm and a start-up solar power technology company.

Project experience for Ms. Yamauchi includes:

- Phase I Environmental Site Assessments
- Regulatory Database Review
- Historical Records Review

Ms. Yamauchi has worked in the environmental field for two years. She has attended various conferences regarding environmental issues.

Victor T. DeTroy – Due Diligence Manager, Southern California Region

B.A. - Earth and Environmental Science, Columbia University, Cum Laude

OSHA 40-Hour Hazardous Waste Operations
Emergency Response (HAZWOPER) Training
EPA AHERA 24-hour Asbestos Building Inspector

Mr. DeTroy has over five years experience in the environmental service industry and provides project management to ensure compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Transaction Screens, limited due diligence assessments, Phase II and Phase III subsurface investigations, and quarterly groundwater monitoring events. He has successfully completed assessments on a variety of residential, commercial, and complex industrial sites. Mr. DeTroy is accustomed to all aspects of Due Diligence Property Assessments and the needs and requirements of a variety of reporting standards, including ASTM, EPA's All Appropriate Inquiry (AAI), Freddie Mac, Fannie Mae, HUD, and customized client formats.

Project experience for Mr. DeTroy includes:

- Phase I Environmental Site Assessments
- Telecommunication Phase I Environmental Site Assessments
- Environmental Transaction Screens
- Environmental Transaction Analyses
- Limited Environmental Site Assessments
- Regulatory Database Reviews
- Historical Records Reviews
- Project Coordination and Setup
- Due Diligence Portfolio Management
- The design and implementation of Phase II soil and groundwater investigations and Phase III subsurface characterizations for a variety of suspected contaminants for due diligence and liability purposes

Subsurface investigations have included extensive soil and groundwater testing, identification of petroleum hydrocarbons and volatile organic compounds contamination in near surface soils, and contaminant plume delineation in soil vapor, soil, and groundwater. Mr. DeTroy's management and technical experience has allowed AEI's projects to be performed in a cost effective and timely manner to the satisfaction of AEI's clients and regulatory agencies.

March 22, 2013

PHASE II SUBSURFACE INVESTIGATION

Property Identification:
1185 – 1245 West Sunset Boulevard
Los Angeles, California 90026

AEI Project No. 316456

Prepared for:
Mr. Fred Shaffer
Aragon Properties Ltd.
1590 Rosecrans Avenue, Suite #D-303
Manhattan Beach, California 90266

Prepared by:
AEI Consultants
5933 West Century Boulevard, Suite 360
Los Angeles, California 90045
(310) 798-2455

San Francisco HQ
Atlanta
Chicago
Costa Mesa
Dallas
Denver
Los Angeles
Miami
New York
Phoenix
Portland
San Jose

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Figure 2 Site Map

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Table 1 Groundwater Sample Data Summary

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Appendix A Geophysical Survey Report
Appendix B Boring Logs
Appendix C Laboratory Analyses

March 22, 2013

Mr. Fred Shaffer
Aragon Properties Ltd.
1590 Rosecrans Avenue, Suite #D-303
Manhattan Beach, California 90266

Subject: **Phase II Subsurface Investigation**
1185 – 1245 West Sunset Boulevard
Los Angeles, California 90026
AEI Project No. 316456

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Phase II Subsurface Investigation (Phase II) performed at the above referenced subject property (Figures 1 and 2). This investigation was completed in general accordance with the authorized scope of services outlined in our authorized proposal number 33288.

1.0 SITE DESCRIPTION

The subject property, which consists of a hardware store with associated storage buildings, a residence, a car wash, a vacant lot, and a restaurant, is located on the east side of West Sunset Boulevard in a mixed commercial and residential area of Los Angeles, California. The property totals 2.66 acres and is improved with 10 single-story, slab-on-grade buildings totaling 30,000 square feet. The subject property is currently occupied by a car wash business, Reliable Do It Center, film storage company, and residential tenants. On-site operations include car wash and small-scale auto repair operations, retail of home improvement goods, film storage, and daily residential activities. In addition to the subject property buildings, the property is improved with asphalt-paved parking areas and associated landscaping (Figure 2).

Based on a review of the US Geological Survey (USGS) Hollywood, California Quadrangle Topographic Map, the subject property is at an elevation which ranges from approximately 410 feet above mean sea level in the southern portions to approximately 500 feet above mean sea level in the northeastern portion. The nearest surface water is Echo Lake, located approximately 0.56 mile to the west of the subject property.

Based upon topographic map interpretation and the *Underground Storage Tank Low Risk Case Review Form* for G.H. Palmer & Associates at 867 Cesar Chavez Avenue, located approximately 0.42 mile southeast of the subject property, obtained from the Regional Water Quality Control Board's (RWQCB's) GeoTracker website, the direction of groundwater flow beneath the subject property is inferred to be to the southwest. According to a Limited Phase II conducted in March 2005 by Petra Geotechnical, Inc., (Petra) for the subject property, soil borings were advanced

to 30 feet below ground surface (bgs) and groundwater was not encountered. However, according to the *Underground Storage Tank Low Risk Case Review Form* for G.H. Palmer & Associates at 867 Cesar Chavez Avenue, located approximately 0.42 mile southeast of the subject property, groundwater was encountered at approximately 12 to 20 feet bgs.

2.0 BACKGROUND AND PURPOSE

A Phase I Environmental Site Assessment (Phase I) was performed by AEI as detailed in a report dated February 26, 2013. According to the Phase I, in 1927, the southern portion of the subject property associated with the addresses 1181 (historical address) and 1185 West Sunset Boulevard, was developed with a gas station. The current structures were developed for gas station and auto repair purposes in the early 1960's. Gas station operations were conducted until at least 1970 and were subsequently phased out.

During AEI's Phase I site reconnaissance, AEI observed patched areas of asphalt on the southern portion of 1185 West Sunset Boulevard. The patched areas appear to be the locations of underground storage tanks (USTs) associated with the historical gas station. According to Mr. Steve Wintner, subject property owner, four USTs are currently located at the subject property. No information regarding the sizes or dates of installation of the USTs was available.

AEI reviewed a portion of the 2005 Phase I and Limited Phase II for the property located at Sunset Boulevard and Everett Street, prepared by Petra. According to these previous reports, a subsurface geophysical survey conducted at the subject property delineated the location of four UTs and a waste oil UST in the rear of the car wash. Petra conducted soil sampling in the vicinities of the USTs. The results of the soil sample analysis were that trace amounts of total petroleum hydrocarbon (TPH) were encountered in one sample collected at 22 feet bgs from the vicinity of the waste oil UST. Petra was unable to find evidence that the site had been impacted from petroleum hydrocarbons and/or volatile organic compounds (VOCs) related to the former site use. However, borings could only be collected from the vicinity of the USTs and not directly below them. Based on the findings of the Phase I, the presence of the USTs and that subsurface sampling was conducted over 7 years ago at the subject property represents a recognized environmental condition (REC).

AEI observed two clarifiers at 1185 West Sunset Boulevard. One clarifier was located in the garage and the other clarifier was located in the car washing area. According to records from the Los Angeles Bureau of Sanitation Industrial Waste Management District (LABS IWMD), permits to operate a clarifier were issued to the subject property in 1961, 1994, 2009, and 2011 for auto wash activities. It is unknown if all of the permits refer to the same clarifier. However, since the permits were issued for auto wash activities, it is presumed that these permits refer to the clarifier located in the current car washing area. The clarifier located in the garage appears to have been associated with auto repair operations. Based on the presumed use of this clarifier for auto repair operations and the on-site historical use of hazardous materials, the clarifier located in the garage represents a REC.

Areas of the subject property have historically been used for various industrial purposes since the 1920's. The southern portion of the subject property associated with the addresses 1181 (historical address) and 1185 West Sunset Boulevard, was used for car washing and auto repair

operations from the mid 1960's to the present. These operations are typically associated with the use of hazardous materials, including solvents and oils.

According to building records, in 1933, the portion of the subject property associated with 1201 West Sunset Boulevard was issued a permit for an oil depot. The portion of the subject property currently associated with the addresses 1205 and 1207 West Sunset Boulevard, was historically used for industrial purposes. The southern portion of the building was occupied by a plastic key tag manufacturer from 1956 to 1958, and time controls manufacturer from 1962 to 1970. The northern portion of the building was occupied by a chemical manufacturer of disinfectants from 1950 to 1954 and a valve manufacturer from 1957 to 1970. Since no information was available regarding the use of the building from 1927 to 1950, there is a possibility that chemical manufacturing was conducted since as early as 1927. These manufacturing operations are typically associated with hazardous materials including petroleum hydrocarbons and solvents.

The portion of the subject property currently associated with the address 1211 West Sunset Boulevard was developed with a commercial/industrial building from at least 1927. This building was occupied by a shade manufacturer in at least 1942 and a printing facility from at least 1950 to at least 1971. Many printing industries generate waste ink and ink sludges that might contain solvents. Photographic processes are also typically associated with major printing operations for image conversion and plate making. Photographic wastes, including heavy metal solutions, developers, hardeners, plating chemicals, and spent solvents, make up a large portion of the hazardous waste generated in these industries.

The portion of the subject property currently associated with the address 1229 Sunset Boulevard was historically occupied by a hood & pad manufacturer/sign manufacturer/painting company in 1953 and a sign manufacturer/sign manufacturer/painting company from 1954 to 1960. In addition, the portion of the subject property currently associated with the addresses 1235, 1237, and 1239 Sunset Boulevard was developed with a commercial/industrial building. The building was occupied by a woodworking and sign painting company in 1950, a sign manufacturer and painting company in 1954, a sash and door warehouse from 1957 to 1960, and sign painting company from 1964 to 1970. It is likely that these former industrial tenants utilized hazardous materials including oils, lubricants, and solvents. Records pertaining to the use of hazardous materials for the previous industrial tenants were not available as they operated during a time when the regulatory measures governing the use of hazardous materials of this nature were not as stringent as they are today. Based on the length of time the industrial operations were conducted, the historical on-site industrial operations represent a REC.

The purpose of this Phase II at the subject property is to assess subsurface soils and groundwater with regard to the historical and current on-site operations.

3.0 INVESTIGATION EFFORTS

3.1 Health and Safety Plan

A site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork.

3.2 Permitting and Utility Clearance

A soil boring into groundwater service request application was submitted to the Los Angeles County Department of Public Health – Drinking Water Program for this investigation (pending). The public underground utility locating service Underground Service Alert (USA) was notified to identify public utilities in the work area. This work was performed under the oversight of a California-licensed Professional Geologist.

3.3 Geophysical Survey

On February 28, 2013, prior to drilling activities, Subsurface Surveys & Associates, Inc. (Subsurface Surveys) of Carlsbad, California, (Appendix A) under the supervision of AEI, conducted a geophysical survey throughout the property addressed as 1185 West Sunset Boulevard (Figure 2). The purpose of the geophysical survey was to locate and identify any potential USTs, associated piping, conduits, and other buried features (i.e. septic tank, excavations, and/or drums) that may exist on the subject property.

The equipment used in this investigation consisted of a Geonics electromagnetic (EM)-61 high sensitivity metal detector, a Fischer M-Scope, and ground penetrating radar (GPR). A utility locator with line tracing capabilities was also used, where risers exist, onto which a signal could be induced and traced.

Items detected were marked on site in industry standard colors including red for electric, blue for water, green for sewer and drain lines, and white for the edge of the UST tank vault.

Within the area surveyed, the USTs were identified and mapped along the southwestern property addressed as 1185 West Sunset Boulevard. No other undocumented USTs, buried drums or any other anomalous buried objects were detected.

3.4 Drilling and Soil Sample Collection

On February 28 and March 1, 2013, 17 soil borings (AEI-B1 through AEI-B17) were advanced throughout the subject property (Figure 2). All borings were advanced by Minuteman Drilling of Simi Valley, California using a limited-access or truck-mounted direct-push drilling rig. The borings were advanced to depths of 4.5 to 20 feet bgs. The location and purpose of each boring are listed below:

- Boring AEI-B1 was advanced near the northwestern property boundary of 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B1 was advanced to a refusal depth of approximately 16 feet bgs.
- Boring AEI-B2 was advanced northwest of the clarifier located in the car washing area of 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B2 was advanced to a refusal depth of approximately 17.5 feet bgs.
- Boring AEI-B3 was advanced adjacent to the east of the USTs located at 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B3 was advanced to a maximum depth of approximately 20 feet bgs.

- Boring AEI-B4 was advanced southwest of the clarifier located in the car washing area of 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B4 was advanced to a maximum depth of approximately 20 feet bgs.
- Boring AEI-B5 was advanced southwest of the USTs located at 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B5 was advanced to a maximum depth of approximately 20 feet bgs.
- Boring AEI-B6 was advanced adjacent to the north of the waste oil storage area located at 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B6 was advanced to a refusal depth of approximately 10 feet bgs.
- Boring AEI-B7 was advanced south of the clarifier located in the car washing area and southwest of the USTs located on 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B7 was advanced to a maximum depth of approximately 20 feet bgs.
- Boring AEI-B8 was advanced adjacent to waste oil UST located at 1185 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B8 was advanced to a refusal depth of approximately 14 feet bgs.
- Boring AEI-B9 was advanced adjacent to west of the subject property building addressed as 1201 & 1197 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B9 was advanced to a terminal depth of approximately 10 feet bgs.
- Boring AEI-B10 was advanced in the northern interior of the subject property building addressed as 1233 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B10 was advanced to a refusal depth of approximately 4.5 feet bgs.
- Boring AEI-B11 was advanced in the southern interior of the subject property building addressed as 1233 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B11 was advanced to a refusal depth of approximately 8.5 feet bgs.
- Boring AEI-B12 was advanced in the northern interior of the subject property building addressed as 1229 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B12 was advanced to a terminal depth of approximately 10 feet bgs.
- Boring AEI-B13 was advanced in the southwestern interior of the subject property building addressed as 1229 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B13 was advanced to a refusal depth of approximately 6 feet bgs.
- Boring AEI-B14 was advanced in the northwestern interior of the subject property building addressed as 1211 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B14 was advanced to a terminal depth of approximately 10 feet bgs.
- Boring AEI-B15 was advanced in the southeastern interior of the subject property building addressed as 1211 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B15 was advanced to a refusal depth of approximately 6.5 feet bgs.
- Boring AEI-B16 was advanced in the southern interior of the subject property building addressed as 1205 West Sunset Boulevard. For the purpose of soil sampling, boring AEI-B16 was advanced to a terminal depth of approximately 10 feet bgs.
- Boring AEI-B17 was advanced near the southern property boundary of 1185 West Sunset Boulevard. For the purpose of groundwater sampling, boring AEI-B17 was advanced to a terminal depth of approximately 20 feet bgs. Groundwater equilibrated at approximately 16 feet bgs.

All borings were advanced using 2-inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners. At designated sampling intervals, the core was

retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

All soil borings were logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soil samples in the field and the PID readings for each sample were included on the boring logs (Appendix B). Boring depths and sampling schedule are also included on the boring logs.

Down-hole equipment was decontaminated using a triple rinse system containing detergent.

3.5 Groundwater Sample Collection

Groundwater was collected from boring AEI-B17 using the truck-mounted direct push drilling rig by advancing a Hydropunch® equipped with a 4-foot screen to approximately 20 feet bgs. The Hydropunch® was opened to expose the screened interval and allow groundwater to enter the screen. Before extracting samples, groundwater was permitted to equilibrate to a static level. Groundwater equilibrated at approximately 16 feet bgs. New ¼-inch diameter polyethylene tubing was inserted into the Hydropunch® and groundwater was sampled utilizing low flow methods and transferred into three clean, laboratory-supplied 40-mL VOA containers with hydrochloric acid (HCl) preservative. Neither headspace nor air bubbles were visible in the vials once capped.

3.6 Boring Destruction

Following sampling, each boring was backfilled with hydrated granular bentonite and capped with concrete at ground surface.

3.7 Laboratory Analyses

All samples were labeled and placed into a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation by AEI to Alpha Scientific Corporation (ASC), a state-certified laboratory (California DHS Certified Laboratory) in the City of Cerritos, California. Laboratory analytical documentation is provided in Appendix C.

Laboratory analysis of soil and groundwater consisted of the following:

- VOCs by EPA Method 8260B
- Total Petroleum Hydrocarbons (TPH) following carbon-chain methods and reported as gasoline range (C4-C12), diesel range (C13-22) and oil range (C23-C40) (TPH-g, TPH-d and TPH-o) via USEPA Method 8015M

3.8 Investigation Derived Wastes

No investigation derived waste was created during this investigation.

4.0 FINDINGS

The soil results of this investigation were reviewed and compared to the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs). The RSLs are risk-based concentrations derived from standardized equations combining exposure information

assumptions with EPA toxicity data. The RSLs are used for site "screening" and as initial cleanup goals, if applicable. The RSLs are considered by the USEPA to be protective for humans (including sensitive groups) over a lifetime; however, they are not always applicable to a particular site and do not address non-human health endpoints, such as ecological impacts.

The results of this investigation were also compared to the Environmental Screening Levels (ESLs) from the California Regional Water Quality Control Board. The ESLs are considered to be conservative. Under most circumstances, and within the limitations described, the presence of a chemical in soil, soil gas or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant, threat to human health and the environment. Additional evaluation will generally be necessary at sites where a chemical is present at concentrations above the corresponding ESL.

4.1 Geology and Hydrogeology

The soils encountered at the subject property primarily consisted of interbedded well and poorly graded sands and gravels, and silty clays and sands from ground surface to a depth of approximately 20 feet bgs (Appendix B). Groundwater was encountered and equilibrated at approximately 16 feet bgs in boring AEI-B17.

4.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results (Appendix C). This information has also been included in Table 1.

- VOCs and TPH were not detected in soil samples above the laboratory detection limits.

The following information is a summary of the groundwater sample analytical test results (Appendix C). This information has also been included in Table 2.

- VOCs and TPH were not detected in the groundwater sample above the laboratory detection limits.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a Phase II at the property to evaluate if the current and historic on-site operations had adversely impacted the subject property. A total of 17 borings were advanced throughout the subject property for the collection of 1-groundwater sample and soil samples. Borings were advanced at select locations of current and previously suspected industrial operations that could have impacted the subject property.

The results of this investigation were compared to USEPA RSLs and California RWQCB ESLs.

Due to the lack of a release detected, AEI does not recommend any further action for the subject property at this time.

6.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the subject property. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of Mr. Fred Shaffer of Aragon Properties, Ltd. All reports, both verbal and written, whether in draft or final, are for the benefit of Aragon Properties, Ltd. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Mr. Shaffer on February 18, 2013. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

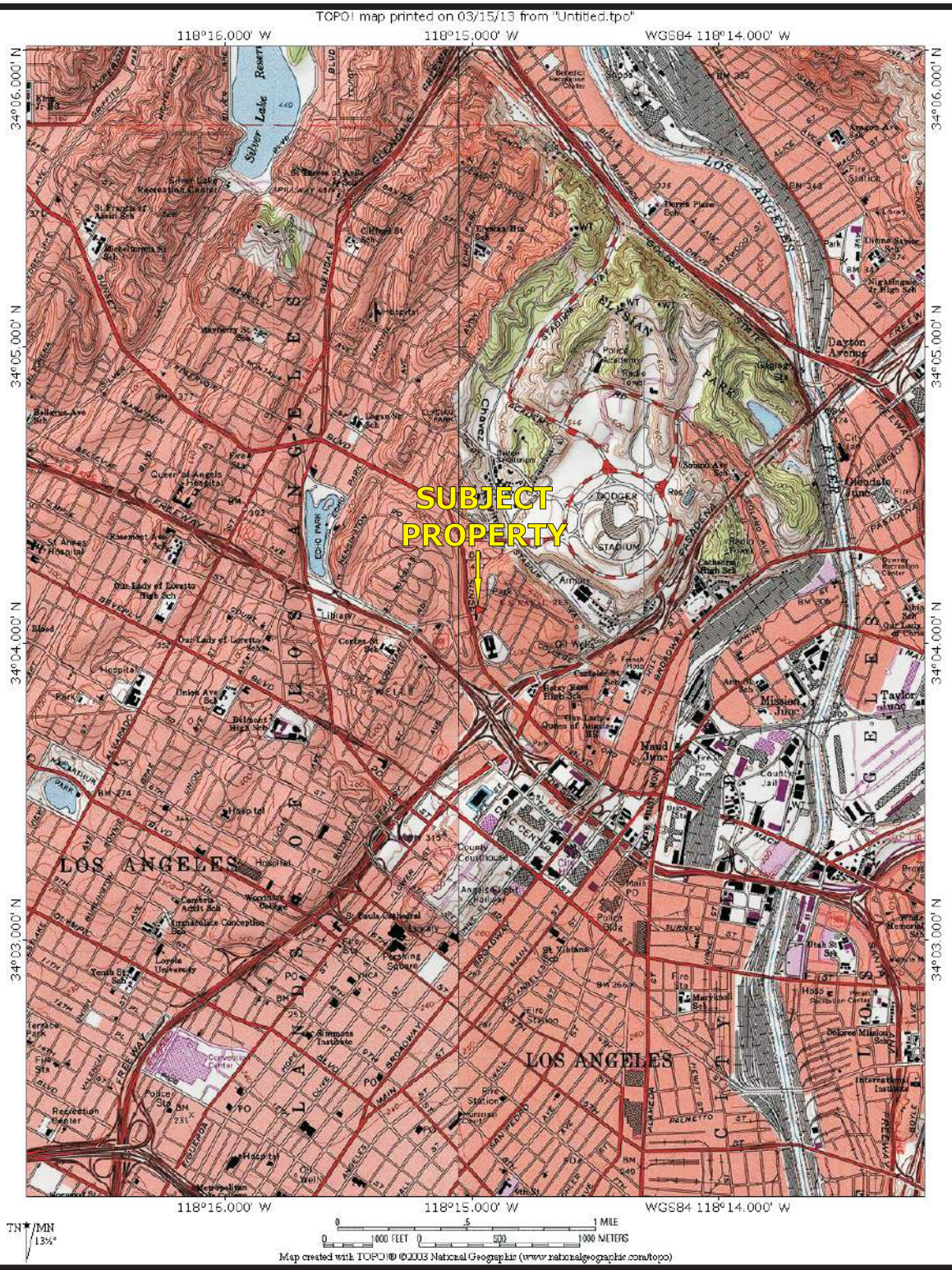
If there are any questions regarding our investigation, please do not hesitate to contact AEI at 310-798-4255.

Sincerely,
AEI Consultants

Noel Hernandez
Project Manager

Kent Vollmer, PG
Site Mitigation Dept. Manager

FIGURES



SITE LOCATION MAP

1185 - 1245 West Sunset Boulevard, Los Angeles, California 90026

N

Legend

USGS TOPOGRAPHIC MAP
HOLLYWOOD, CA QUADRANGLE

FIGURE 1

Project Number: 316456

AEI Consultants

SITE MAP

1185 - 1245 West Sunset Boulevard, Los Angeles, California 90026

N

Legend

AEI's Phase II Boring Location - March 2013 AEI-B1

Approximate Subject Property Line

Approximate USTs Location

FIGURE 2

Project Number: 316456

AEI Consultants

TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
1185 - 1245 West Sunset Boulevard, Los Angeles, California 90026

Location ID	Date	Sample Depth (feet bgs)	TPH-g* (C4-C12) (mg/kg)	TPH-d (C13-C23) (mg/kg)	TPH-o (C24-C40) (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)	All Other VOCs (µg/kg)
AEI-B1	2/28/13	10	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B1	2/28/13	15	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B2	2/28/13	10	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B2	2/28/13	15	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B3	2/28/13	15	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B3	2/28/13	20	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B4	2/28/13	15	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B4	2/28/13	20	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B5	2/28/13	15	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B5	2/28/13	20	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B6	2/28/13	10	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B7	3/1/13	10	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B7	3/1/13	15	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B7	3/1/13	20	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B8	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B8	3/1/13	10	<0.2	<1.0	<25	<1.0	<1.0	<1.0	<2.0	ND
AEI-B9	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B9	3/1/13	10	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B10	3/1/13	4.5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B11	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B11	3/1/13	8.5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B12	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B12	3/1/13	10	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B13	3/1/13	4	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B13	3/1/13	6	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B14	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B14	3/1/13	10	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B15	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B16	3/1/13	5	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
AEI-B16	3/1/13	10	N/A	N/A	N/A	<1.0	<1.0	<1.0	<2.0	ND
Comparison Values: CRWQCB Los Angeles Region Maximum Soil Screening Levels for Distance Above Groundwater: <20 feet			100 (mg/kg)	100 (mg/kg)	1,000 (mg/kg)	11 (µg/kg)	300 (µg/kg)	700 (µg/kg)	1,750 (µg/kg)	N/A

Notes:

mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram
bgs	below ground surface
N/A	not applicable/not analyzed
TPH-g	total petroleum hydrocarbons as gasoline
*	TPH-g result obtained from purge and trap analysis using LUFT GC/MS Method
TPH-d	total petroleum hydrocarbons as diesel
TPH-o	total petroleum hydrocarbons as oil
VOCs	volatile organic compounds
Bold	Result exceeds applicable Comparison Value
ND	not detected above method reporting limit

TABLE 2: GROUNDWATER SAMPLE DATA SUMMARY
1185 - 1245 West Sunset Boulevard, Los Angeles, California 90026

Location ID	Date	Sample ID	TPH-g* (C4-C12) (µg/L)	TPH-d (C13-C23) (µg/L)	TPH-o (C24-C40) (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	All Other VOCs (µg/L)
AEI-B17	2/28/13	AEI-GW17	<50	<500	<2,500	<0.5	<0.5	<0.5	<1.0	ND
Comparison Values: California Regional Water Quality Control Board - Groundwater Screening Levels (May 2008)			N/A	N/A	N/A	1.0 (µg/L)	150 (µg/L)	300 (µg/L)	1,800 (µg/L)	N/A

Notes:

µg/L	micrograms per liter	TPH-d	total petroleum hydrocarbons as diesel
N/A	not applicable/not analyzed	TPH-o	total petroleum hydrocarbons as oil
TPH-g	total petroleum hydrocarbons as gasoline	VOCs	volatile organic compounds
*	TPH-g result obtained from purge and trap analysis using LUFT GC/MS Method	**Bold**	Result exceeds applicable Comparison Value
		ND	not detected above method reporting limit

APPENDIX A

GEOPHYSICAL SURVEY REPORT

SubSurface Surveys
& Associates, Inc.
An Applied Geophysical Company

2075 Corte Del Nogal, Suite W
Carlsbad, CA 92011

Office: (760) 476-0492
Fax: (760) 476-0493

March 7, 2013

Project/Invoice No. 13-093

AEI Consultants
5933 West Century Blvd., Suite 360
Los Angeles, California 90045

Attn: **Noel Hernandez**

Re: Geophysical Investigation Report, 1185 West Sunset Blvd, Los Angeles, California.

This report is to present the results of our geophysical survey carried out over an area located at 1185 West Sunset Blvd, Los Angeles, California (Figure 1). The survey was performed on February 28, 2013, and its purpose was to locate and identify, insofar as possible, pipes, conduits, utilities, and other underground obstructions within a 10 foot radius of four (4) proposed borehole.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. Utility locators with line tracing capabilities were also brought to the field and used where risers exist onto which a signal could be impressed and traced.

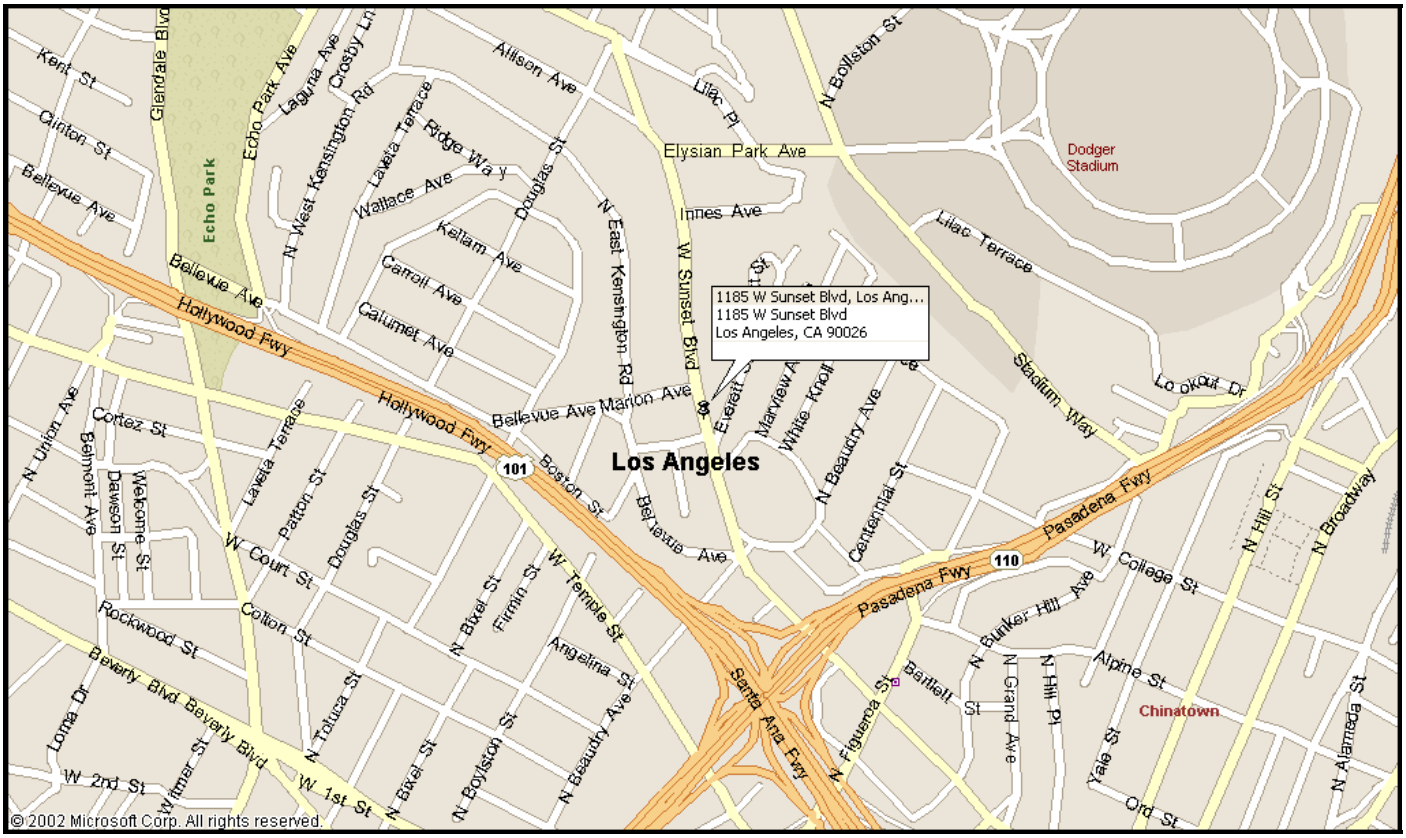


FIGURE 1. Site location map.

Survey Design – The area to be surveyed was indicated in the field by the client and included four (4) boreholes located on a former gas station which is currently a car wash.

In site situations and survey objectives such as this, the best use of time is achieved by systematically free-traversing with the instruments while monitoring them continuously to determine which responses are significant and due to true subsurface targets, and which are due to other non-target or above-ground features and must be ignored (an example being nearby cars). Where applicable, the EM devices, magnetic gradiometer, and GPR were traversed systematically over the survey areas in multiple, organized directions. Other traverses were taken for detailing and confirmation where anomalous conditions were found.

In addition, the line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals found in active electrical and communication lines.

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse. This free-traversing method allowed for immediate detection of anomalous objects and facilitated the opportunity to investigate them further, without the need to first download and process data in the office. The lack of hard copy for EM data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

A Geonic's model EM61, and a Fischer M-Scope, was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object; say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the

side.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

Interpretation and Conclusions - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover at the site using spray paint, reported to the client, and are further documented with site photographs of the areas investigated (Figures 2-5).

Items detected in the vicinity of the compound were marked in industry standard colors including green for sewer, red for electric, white for the edge of the tank pits and blue for water

As shown in Figure 3, white was used to mark the edge of the pea-gravel in which onsite USTs reside in. Note that the proposed borehole was placed outside this region. Please refer to the site photographs for the locations of the boreholes and the orientation of all items found in their vicinity.

At the conclusion of the survey, the proposed boreholes were placed, so as to avoid all detected obstructions. The boreholes were marked in white with a yellow "SSS" to indicate that they had been checked by company personnel.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which such might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limited GPR

penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing or vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data generated on this project are in confidential file in this office, and are available for review by authorized persons at any time. The opportunity to participate in this investigation is very much appreciated. Please call, if there are questions.

Todd Barker
Staff Geophysicist, SubSurface Surveys

Travis Crosby
California State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys

Figure 2

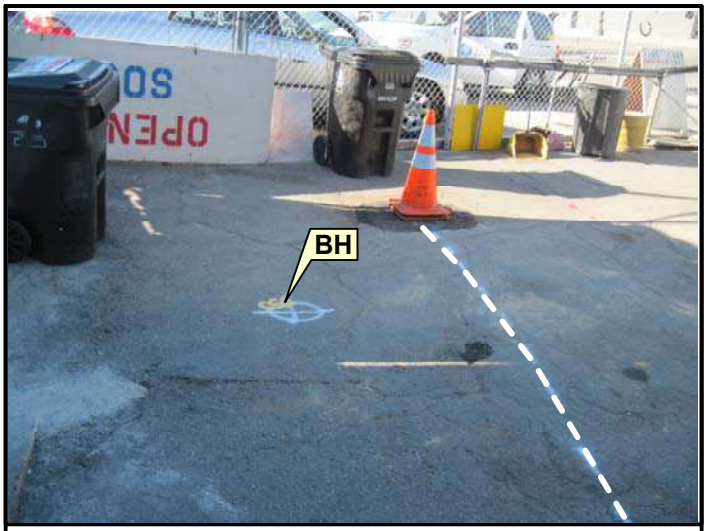


Figure 3

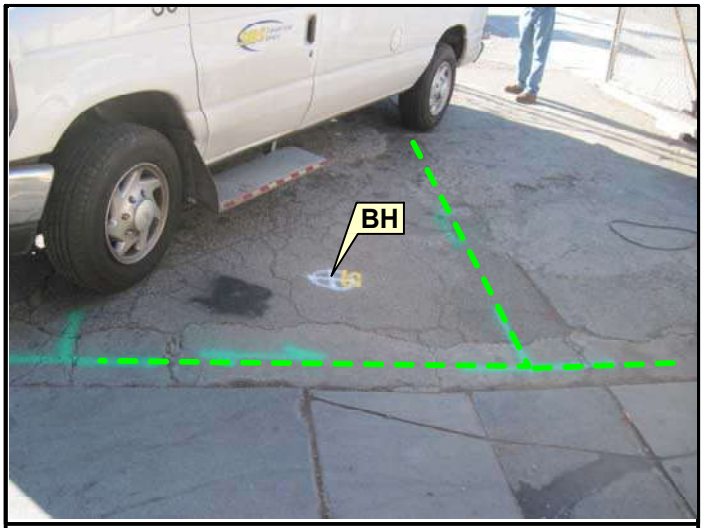


Figure 4

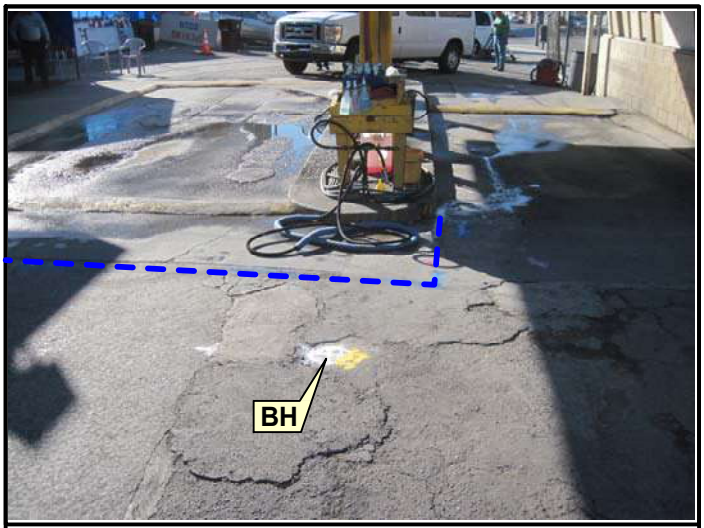


Figure 5

Figure 6

Figure 7

Sub Surface Surveys	SITE: **1185 W. Sunset Blvd** **Los Angeles, California**	TITLE: **Utility Clearance for Boreholes**	SURVEY DATE: **February 28, 2013**
		PREPARED FOR: **AEI Consultants**	SSS PROJECT NO: **13-093**

APPENDIX B

BORING LOGS

AEI CONSULTANTS

5933 West Century Boulevard, Suite 360
Los Angeles, California 90045

LOG OF BOREHOLE: AEI-B1

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 2/28/13	**END DATE:** 2/28/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 16 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
0					Approximately 1" of asphalt at ground surface	
5	AEI-B1-5	0.0	ML		Clayey SILT, trace gravel, light brown, moist, firm to stiff, homogeneous	
10	AEI-B1-10	0.0	SM		Silty SAND, trace clay, light brown, moist, stiff to very stiff, homogeneous	
15	AEI-B1-15	0.0	SM		As above, very stiff to hard	
16					Boring advanced to a refusal depth of approx. 16 feet below ground surface (bgs). Soil samples collected at 5, 10, and 15 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B2

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 2/28/13	**END DATE:** 2/28/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 17.5 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 2" of concrete at ground surface	
5	AEI-B2-5	0.0	ML		SILT, with clay, trace gravel, brown, moist, firm to stiff, homogeneous	
10	AEI-B2-10	0.0	ML		As above, some clay, olive-gray	
15	AEI-B2-15	0.0	ML		As above, some clay, olive-gray	
18					Boring advanced to a refusal depth of approx. 17.5 feet below ground surface (bgs). Soil samples collected at 5, 10, and 15 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B3

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 2/28/13	**END DATE:** 2/28/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 20 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 2" of concrete at ground surface	
10	AEI-B3-10	0.0	SP		Poorly Graded SAND, trace gravel, olive-gray, moist, loose to medium dense, homogeneous	
15	AEI-B3-15	0.0	ML		SILT, with clay, trace gravel, red-brown, moist, very stiff to hard, homogeneous	
20	AEI-B3-20	0.0	ML		As above, hard	
					Boring advanced to a terminal depth of approx. 20 feet below ground surface (bgs). Soil samples collected at 10, 15, and 20 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B4

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 2/28/13	**END DATE:** 2/28/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 20 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
0					Approximately 1" of asphalt at ground surface	
5	AEI-B4-5	0.0	CL		Lean CLAY, trace gravel, olive-gray, moist, firm, homogeneous	
10	AEI-B4-10	0.0	SP		Poorly Graded SAND, some clay, red-brown, moist, medium dense to dense, homogeneous	
15	AEI-B4-15	0.0	SP		As above	
20	AEI-B4-20	0.0	ML		SILT, with clay, trace gravel, olive, moist, very dense, homogeneous	
					Boring advanced to a terminal depth of approx. 20 feet below ground surface (bgs). Soil samples collected at 5, 10, 15, and 20 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B5

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 2/28/13	**END DATE:** 2/28/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 20 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 1" of asphalt at ground surface	
5	AEI-B5-5	0.0	ML		SILT, with clay, trace gravel, brown, moist, firm to stiff, homogeneous	
10	AEI-B5-10	0.0	ML		As above	
15	AEI-B5-15	0.0	SP		Poorly Graded SAND, trace gravel, light brown, moist, medium dense, homogeneous	
20	AEI-B5-20	0.0	ML		SILT, with clay, trace gravel, red, moist, very dense, homogeneous	
					Boring advanced to a terminal depth of approx. 20 feet below ground surface (bgs). Soil samples collected at 5, 10, 15, and 20 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B6

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 2/28/13	**END DATE:** 2/28/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 10 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 1" of asphalt at ground surface	
1–4						
5	AEI-B6-5	0.0	ML		SILT, with clay, trace gravel, red-brown, moist, stiff to very stiff, homogeneous	
6–9						
10	AEI-B6-10	0.0	ML		As above	
11–25					Boring advanced to a terminal depth of approx. 10 feet below ground surface (bgs). Soil samples collected at 5 and 10 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B7

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 20 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 1" of asphalt at ground surface	
10	AEI-B7-10	0.0	ML		SILT, with fine sand, trace gravel, olive with yellow-brown, moist, very stiff, homogeneous	
15	AEI-B7-15	0.0	ML		SILT, with fine sand, gray to gray-brown, moist, very stiff to hard, homogeneous	
20	AEI-B7-20	0.0	ML		As above, interlayered gray, red-brown, and yellow-brown	
					Boring advanced to a terminal depth of approx. 20 feet below ground surface (bgs). Soil samples collected at 10, 15, and 20 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B8

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 14 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 1" of asphalt at ground surface	
5	AEI-B8-5	0.0	ML		SILT, with fine sand, trace gravel, gray with red-brown, moist, stiff to very stiff, homogeneous	
10	AEI-B8-10	0.0	SM		Silty Fine SAND, with silt, olive-gray, Fe-oxide staining, moist, stiff to very stiff, homogeneous	
14	AEI-B8-14	0.0	ML		Fine Sandy SILT, red-brown, Fe-oxide staining, moist, hard, homogeneous	
					Boring advanced to a refusal depth of approx. 14 feet below ground surface (bgs). Soil samples collected at 5, 10, and 14 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B9

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13 **END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 10 feet bgs
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell

NOTES: Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 3" of asphalt at ground surface	
5	AEI-B9-5	0.0	CL		Lean CLAY, trace fine sand, red-brown, moist, stiff to very stiff, homogeneous	
10	AEI-B9-10	0.0	CL		As above, with fine sand, dark yellow and red-brown	
					Boring advanced to a terminal depth of approx. 10 feet below ground surface (bgs). Soil samples collected at 5 and 10 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B10

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Limited-access direct-push drill rig	**TOTAL DEPTH:** Approx. 4.5 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
1					Approximately 3" of concrete at ground surface	
2	AEI-B10-2	0.0	SM		Silty Fine SAND, trace gravel, olive-gray, moist, dense to very dense, homogeneous	
3						
4	AEI-B10-4.5	0.0	SM		As above, very stiff to hard	
5					Boring advanced to a refusal depth of approx. 4.5 feet below ground surface (bgs). Soil samples collected at 2 and 4.5 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	
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LOG OF BOREHOLE: AEI-B11

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13 **END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 8.5 feet bgs
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell

NOTES: Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 3" of asphalt at ground surface	
5	AEI-B11-5	0.0	ML		Fine Sandy SILT, gray to red-brown, moist, very stiff to hard, homogeneous	
8	AEI-B11-8.5	0.0	ML		Sandy SILT, gray-brown, moist, very stiff to hard, homogeneous	
					Boring advanced to a refusal depth of approx. 8.5 feet below ground surface (bgs). Soil samples collected at 5 and 8.5 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B12

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 10 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
0					Approximately 3" of concrete at ground surface	
5	AEI-B12-5	0.0	ML		SILT, with clay, trace gravel, red-brown, moist, stiff to very stiff, homogeneous	
10	AEI-B12-10	0.0	SM		Silty SAND, trace gravel, red-brown, moist, very dense, homogeneous	
					Boring advanced to a refusal depth of approx. 10 feet below ground surface (bgs). Soil samples collected at 5 and 10 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B13

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13 **END DATE:** 3/1/13
DRILLING METHOD: Limited-access direct-push drill rig	**TOTAL DEPTH:** Approx. 6 feet bgs
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell

NOTES: Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 3" of concrete at ground surface	
1–2	AEI-B13-2	0.0	SM		Silty Fine SAND, trace gravel, yellow-brown, moist, dense to very dense, homogeneous	
3–4	AEI-B13-4	0.0	SM		Silty SAND, trace gravel, gray, Fe-oxide staining, moist, dense to very dense, homogeneous	
5–6	AEI-B13-6	0.0	SM		Silty Fine SAND, trace gravel, yellow with gray, moist, very dense, homogeneous	
7–25					Boring advanced to a refusal depth of approx. 6 feet below ground surface (bgs). Soil samples collected at 2, 4, and 6 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B14

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 10 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
					Approximately 3" of concrete at ground surface	
5	AEI-B14-5	0.0	SP		Fine to medium Poorly Graded SAND, with clay, red-brown, Fe-oxide staining, moist, dense to very dense, homogeneous	
10	AEI-B14-10	0.0	SC		Clayey Fine SAND, red-brown, Fe-oxide staining, moist, dense to very dense, homogeneous	
					Boring advanced to a terminal depth of approx. 10 feet below ground surface (bgs). Soil samples collected at 5 and 10 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B15

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Limited-access direct-push drill rig	**TOTAL DEPTH:** Approx. 6.5 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
0					Approximately 3" of concrete at ground surface	
1–4						
5	AEI-B15-5	0.0	SM		Silty SAND, with clay, trace gravel, red-brown, moist, very dense, homogeneous	
6						
7					Boring advanced to a refusal depth of approx. 6.5 feet below ground surface (bgs). Soil sample collected at 5 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	
8–25						

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LOG OF BOREHOLE: AEI-B16

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Limited-access direct-push drill rig	**TOTAL DEPTH:** Approx. 10 feet bgs	
DEPTH TO FIRST GROUNDWATER: Not encountered	**DEPTH TO STATIC GROUNDWATER:** Not encountered	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE DATA: SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
0					Approximately 3" of asphalt at ground surface	
5	AEI-B16-5	0.0	SC		Clayey SAND, dark-brown, moist, dense to very dense, homogeneous	
10	AEI-B16-10	0.0	CL		Sandy CLAY, red-brown, moist, stiff to very stiff, homogeneous	
10					Boring advanced to a refusal depth of approx. 10 feet below ground surface (bgs). Soil samples collected at 5 and 10 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after soil sampling.	

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LOG OF BOREHOLE: AEI-B17

PROJECT NUMBER: 316456 / Phase II Subsurface Investigation	**CLIENT:** Aragon Properties, Ltd.	
PROJECT ADDRESS: 1185 - 1245 W. Sunset Blvd., Los Angeles, CA 90026	**ELEVATION:** Ranges from 410 to 500 feet amsl	
DRILLING CONTRACTOR: Minuteman Drilling	**START DATE:** 3/1/13	**END DATE:** 3/1/13
DRILLING METHOD: Truck mounted direct-push drill rig	**TOTAL DEPTH:** Approx. 20 feet bgs	
DEPTH TO FIRST GROUNDWATER: Approx. 18 feet bgs	**DEPTH TO STATIC GROUNDWATER:** Approx. 16 feet bgs	
LOGGED BY: N. Hernandez	**CHECKED BY:** B. Campbell	**NOTES:** Backfilled with hydrated granular bentonite and concrete capped.

DEPTH (feet bgs)	SAMPLE NUMBER	PID (ppm)	USCS	LITHOLOGY	SOIL DESCRIPTION	REMARKS
0					Approximately 2” of asphalt at ground surface	
16					▽ 3/1/13	
20					Boring advanced to a terminal depth of approx. 20 feet below ground surface (bgs) for groundwater sampling. No soil samples collected. For the purpose of groundwater sampling, boring AEI-B17 was advanced to a terminal depth of approximately 20 feet bgs. Groundwater equilibrated at approximately 16 feet bgs. Borehole backfilled to ground surface with hydrated granular bentonite and concrete capped after sampling.	

APPENDIX C

LABORATORY ANALYSES

Alpha Scientific Corporation
Environmental Laboratories

03-08-2013

Mr. Noel Hernandez
AEI Consultants
5933 W. Century Blvd, Suite 360
Los Angeles, CA 90045

Project: Sunset/316456
Project Site: 1185-1245 W. Sunset Blvd., Los Angeles, CA
Sample Date: 02-28/03-01-2013
Lab Job No.: AI303008

Dear Mr. Hernandez:

Enclosed please find the analytical report for the sample(s) received by Alpha Scientific Corporation on 03-04-2013 and analyzed by the following EPA methods:

EPA 8015M (Total Petroleum Hydrocarbons)
EPA 8260B (VOCs & Oxygenates by GC/MS)

All analyses have met the QA/QC criteria of this laboratory.

The sample(s) arrived in good conditions (i.e., chilled, intact) and with a chain of custody record attached.

Alpha Scientific Corporation is a CA DHS certified laboratory (Certificate Number 2633). Thank you for giving us the opportunity to serve you. Please feel free to call me at (562) 809-8880 if our laboratory can be of further service to you.

Sincerely,

Roger Wang, Ph. D.
Laboratory Director

Enclosures

This cover letter is an integral part of this analytical report.

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Project Site:	1185-1245 W. Sunset Blvd., Los Angeles, CA	Date Sampled:	02-28-2013& 03-01-2013
Matrix:	Soil	Date Received:	03-04-2013
Batch No. for TPH-g:	BMC05-GS1	Date Analyzed:	03-05-2013
Batch No. for TPH-d:	BC06-DS1	Date Analyzed:	03-06-2013
		Date Reported:	03-08-2013

EPA 8015M (Total Petroleum Hydrocarbons)
Reporting Unit: mg/kg (ppm)

Sample ID	Lab ID	Gasoline Range (C4-C12)*	Diesel Range (C13-C23)	Oil Range (C24-C40)
MDL		0.2	1	25
PQL		0.5	5	50
Method Blank		ND	ND	ND
AEI-B1-10	AI303008-1	ND	ND	ND
AEI-B1-15	AI303008-2	ND	ND	ND
AEI-B2-10	AI303008-3	ND	ND	ND
AEI-B2-15	AI303008-4	ND	ND	ND
AEI-B3-15	AI303008-5	ND	ND	ND
AEI-B3-20	AI303008-6	ND	ND	ND
AEI-B4-15	AI303008-7	ND	ND	ND
AEI-B4-20	AI303008-8	ND	ND	ND
AEI-B5-15	AI303008-9	ND	ND	ND
AEI-B5-20	AI303008-10	ND	ND	ND
AEI-B6-10	AI303008-11	ND	ND	ND
AEI-B7-15	AI303008-13	ND	ND	ND
AEI-B7-20	AI303008-14	ND	ND	ND
AEI-B8-10	AI303008-16	ND	ND	ND

* Gasoline Range TPH result is obtained from purge and trap analysis using LUFT GC/MS Method
MDL: Method Detection Limit.
PQL: Practical Quantitation Limit.
ND: Not Detected (at the specified limit).
J: Trace value. Result is lower than PQL but higher than MDL.

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Project Site:	1185-1245 W. Sunset Blvd., Los Angeles, CA	Date Sampled:	03-01-2013
Matrix:	Water	Date Received:	03-04-2013
Batch No. for TPH-g:	EMC05-GW1	Date Analyzed:	03-05-2013
Batch No for TPH-d:	BC06-DW1	Date Analyzed:	03-06-2013
		Date Reported:	03-08-2013

EPA 8015M (Total Petroleum Hydrocarbons)
Reporting Units: µg/L (ppb)

Sample ID	Lab ID	Gasoline Range (C4-C12)*	Diesel Range (C13-C23)	Oil Range (C24-C40)
MDL		50	500	2500
PQL		100	750	4000
Method Blank		ND	ND	ND
AEI-GW17	AI303008-31	ND	ND	ND

* Gasoline Range TPH result is obtained from purge and trap analysis using LUFT GC/MS Method
MDL: Method Detection Limit.
PQL: Practical Quantitation Limit.
ND: Not Detected (at the specified limit).
J: Trace value. Result is lower than PQL but higher than MDL.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 02-28-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			03-05	03-05-13	03-05-13	03-05-13	03-05-13	03-05-13
DILUTION FACTOR (DF)			1	1	1	1	1	1
LAB SAMPLE I.D.				AI303008-1	AI303008-2	AI303008-3	AI303008-4	AI303008-5
CLIENT SAMPLE I.D.				AEI-B1-10	AEI-B1-15	AEI-B2-10	AEI-B2-15	AEI-B3-15
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 02-28-2013

EPA 8260B (VOCs & Oxygenates by GC/MS, Page 2 of 2)

Reporting Unit: µg/kg(ppb)

COMPOUND	MDL	PQL	MB	AEI-B1-10	AEI-B1-15	AEI-B2-10	AEI-B2-15	AEI-B3-15
Toluene	1	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	50	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	35	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	35	50	ND	ND	ND	ND	ND	ND
2-Hexanone	35	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	20	50	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 02-28-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			03-05	03-05-13	03-05-13	03-05-13	03-05-13	03-05-13
DILUTION FACTOR (DF)			1	1	1	1	1	1
LAB SAMPLE I.D.				AI303008-6	AI303008-7	AI303008-8	AI303008-9	AI303008-10
CLIENT SAMPLE I.D.				AEI-B3-20	AEI-B4-15	AEI-B4-20	AEI-B5-15	AEI-B5-20
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 02-28-2013

EPA 8260B (VOCs & Oxygenates by GC/MS, Page 2 of 2)

Reporting Unit: µg/kg(ppb)

COMPOUND	MDL	PQL	MB	AEI-B3-20	AEI-B4-15	AEI-B4-20	AEI-B5-15	AEI-B5-20
Toluene	1	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	50	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	35	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	35	50	ND	ND	ND	ND	ND	ND
2-Hexanone	35	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	20	50	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 02-28/03-01-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			03-05	03-05-13	03-05-13	03-05-13	03-05-13	03-05-13
DILUTION FACTOR (DF)			1	1	1	1	1	1
LAB SAMPLE I.D.				AI303008-11	AI303008-12	AI303008-13	AI303008-14	AI303008-15
CLIENT SAMPLE I.D.				AEI-B6-10	AEI-B7-10	AEI-B7-15	AEI-B7-20	AEI-B8-5
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 02-28/03-01-2013

EPA 8260B (VOCs & Oxygenates by GC/MS, Page 2 of 2)

Reporting Unit: µg/kg(ppb)

COMPOUND	MDL	PQL	MB	AEI-B6-10	AEI-B7-10	AEI-B7-15	AEI-B7-20	AEI-B8-5
Toluene	1	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	50	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	35	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	35	50	ND	ND	ND	ND	ND	ND
2-Hexanone	35	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	20	50	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 03-01-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			03-05	03-05-13	03-05-13	03-05-13	03-06-13	03-06-13
DILUTION FACTOR (DF)			1	1	1	1	1	1
LAB SAMPLE I.D.				AI303008-16	AI303008-17	AI303008-18	AI303008-19	AI303008-20
CLIENT SAMPLE I.D.				AEI-B8-10	AEI-B9-5	AEI-B9-10	AEI-B10-4.5	AEI-B11-5
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 03-01-2013

EPA 8260B (VOCs & Oxygenates by GC/MS, Page 2 of 2)

Reporting Unit: µg/kg(ppb)

COMPOUND	MDL	PQL	MB	AEI-B8-10	AEI-B9-5	AEI-B9-10	AEI-B10-4.5	AEI-B11-5
Toluene	1	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	50	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	35	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	35	50	ND	ND	ND	ND	ND	ND
2-Hexanone	35	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	20	50	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 03-01-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			03-06	03-06-13	03-06-13	03-06-13	03-06-13	03-06-13
DILUTION FACTOR (DF)			1	1	1	1	1	1
LAB SAMPLE I.D.				AI303008-21	AI303008-22	AI303008-23	AI303008-24	AI303008-25
CLIENT SAMPLE I.D.				AEI-B11-8.5	AEI-B12-5	AEI-B12-10	AEI-B13-4	AEI-B13-6
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 03-01-2013

EPA 8260B (VOCs & Oxygenates by GC/MS, Page 2 of 2)

Reporting Unit: µg/kg(ppb)

COMPOUND	MDL	PQL	MB	AEI-B11-8.5	AEI-B12-5	AEI-B12-10	AEI-B13-4	AEI-B13-6
Toluene	1	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	50	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	35	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	35	50	ND	ND	ND	ND	ND	ND
2-Hexanone	35	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	20	50	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 03-01-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2)
Reporting Unit: µg/kg(ppb)

DATE ANALYZED			03-06	03-06-13	03-06-13	03-06-13	03-06-13	03-06-13
DILUTION FACTOR (DF)			1	1	1	1	1	1
LAB SAMPLE I.D.				AI303008-26	AI303008-27	AI303008-28	AI303008-29	AI303008-30
CLIENT SAMPLE I.D.				AEI-B14-5	AEI-B14-10	AEI-B15-5	AEI-B16-5	AEI-B16-10
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	2	5	ND	ND	ND	ND	ND	ND
Chloromethane	2	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	1	2	ND	ND	ND	ND	ND	ND
Bromomethane	2	5	ND	ND	ND	ND	ND	ND
Chloroethane	2	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Iodomethane	2	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	10	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	2	5	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	5	ND	ND	ND	ND	ND	ND
Bromochloromethane	2	5	ND	ND	ND	ND	ND	ND
Chloroform	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	1	5	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
Benzene	1	2	ND	ND	ND	ND	ND	ND
Trichloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	2	5	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	5	ND	ND	ND	ND	ND	ND
Dibromomethane	2	5	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	2	5	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	1	5	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2	5	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	2	10	ND	ND	ND	ND	ND	ND
Bromoform	2	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	2	5	ND	ND	ND	ND	ND	ND
Bromobenzene	2	5	ND	ND	ND	ND	ND	ND

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Soil | Date Sampled: 03-01-2013

EPA 8260B (VOCs & Oxygenates by GC/MS, Page 2 of 2)
Reporting Unit: µg/kg(ppb)

COMPOUND	MDL	PQL	MB	AEI-B14-5	AEI-B14-10	AEI-B15-5	AEI-B16-5	AEI-B16-10
Toluene	1	2	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2	4	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane(EDB)	2	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	2	ND	ND	ND	ND	ND	ND
Total Xylenes	2	4	ND	ND	ND	ND	ND	ND
Styrene	2	5	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	2	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	2	5	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	2	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2	5	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	2	5	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
n-Butylbenzene	2	5	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	2	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2	5	ND	ND	ND	ND	ND	ND
Naphthalene	2	5	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	2	5	ND	ND	ND	ND	ND	ND
Acetone	50	100	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	35	50	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	35	50	ND	ND	ND	ND	ND	ND
2-Hexanone	35	50	ND	ND	ND	ND	ND	ND
Ethanol	500	1000	ND	ND	ND	ND	ND	ND
MTBE	2	5	ND	ND	ND	ND	ND	ND
ETBE	2	5	ND	ND	ND	ND	ND	ND
DIPE	2	5	ND	ND	ND	ND	ND	ND
TAME	2	5	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	20	50	ND	ND	ND	ND	ND	ND

MDL=Method Detection Limit; PQL=Practical Quantitation Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value.

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Water | Date Sampled: 03-01-2013

EPA 8260B (VOCs by GC/MS, Page 1 of 2) Reporting Unit: µg/L (ppb)

Date ANALYZED			03-05	03-05-13				
DILUTION FACTOR			1	1				
LAB SAMPLE I.D.				AI303008-31				
CLIENT SAMPLE I.D.				AEI-GW17				
COMPOUND	**MDL**	**PQL**	MB					
Dichlorodifluoromethane	1	5	ND	ND				
Chloromethane	1	5	ND	ND				
Vinyl Chloride	0.5	1	ND	ND				
Bromomethane	1	5	ND	ND				
Chloroethane	1	5	ND	ND				
Trichlorofluoromethane	1	5	ND	ND				
1,1-Dichloroethene	1	5	ND	ND				
Iodomethane	1	5	ND	ND				
Methylene Chloride	2	10	ND	ND				
trans-1,2-Dichloroethene	1	5	ND	ND				
1,1-Dichloroethane	1	5	ND	ND				
2,2-Dichloropropane	1	5	ND	ND				
cis-1,2-Dichloroethene	1	5	ND	ND				
Bromochloromethane	1	5	ND	ND				
Chloroform	1	5	ND	ND				
1,2-Dichloroethane	0.5	5	ND	ND				
1,1,1-Trichloroethane	1	5	ND	ND				
Carbon tetrachloride	0.5	5	ND	ND				
1,1-Dichloropropene	1	5	ND	ND				
Benzene	0.5	1	ND	ND				
Trichloroethene	1	2	ND	ND				
1,2-Dichloropropane	1	5	ND	ND				
Bromodichloromethane	1	5	ND	ND				
Dibromomethane	1	5	ND	ND				
Trans-1,3-Dichloropropene	1	5	ND	ND				
cis-1,3-Dichloropropene	1	5	ND	ND				
1,1,2-Trichloroethane	1	5	ND	ND				
1,3-Dichloropropane	0.5	5	ND	ND				
Dibromochloromethane	1	5	ND	ND				
2-Chloroethylvinyl ether	1	10	ND	ND				
Bromoform	1	5	ND	ND				
Isopropylbenzene	1	5	ND	ND				
Bromobenzene	1	5	ND	ND				

Client: AEI Consultants | Lab Job No.: AI303008 | Date Reported: 03-08-2013
Project: Sunset/316456 | Matrix: Water | Date Sampled: 03-01-2013

EPA 8260B (VOCs by GC/MS, Page 2 of 2) Reporting Unit: ppb

COMPOUND	MDL	PQL	MB	AEI-GW17				
Toluene	0.5	1	ND	ND				
Tetrachloroethene	1	2	ND	ND				
1,2-Dibromoethane(EDB)	1	5	ND	ND				
Chlorobenzene	1	5	ND	ND				
1,1,1,2-Tetrachloroethane	1	5	ND	ND				
Ethylbenzene	0.5	1	ND	ND				
Total Xylenes	1	2	ND	ND				
Styrene	1	5	ND	ND				
1,1,2,2-Tetrachloroethane	1	5	ND	ND				
1,2,3-Trichloropropane	1	5	ND	ND				
n-Propylbenzene	1	5	ND	ND				
2-Chlorotoluene	1	5	ND	ND				
4-Chlorotoluene	1	5	ND	ND				
1,3,5-Trimethylbenzene	1	5	ND	ND				
tert-Butylbenzene	1	5	ND	ND				
1,2,4-Trimethylbenzene	1	5	ND	ND				
Sec-Butylbenzene	1	5	ND	ND				
1,3-Dichlorobenzene	1	5	ND	ND				
p-Isopropyltoluene	1	5	ND	ND				
1,4-Dichlorobenzene	1	5	ND	ND				
1,2-Dichlorobenzene	1	5	ND	ND				
n-Butylbenzene	1	5	ND	ND				
1,2,4-Trichlorobenzene	1	5	ND	ND				
1,2-Dibromo-3-Chloropropane	1	5	ND	ND				
Hexachlorobutadiene	1	5	ND	ND				
Naphthalene	1	5	ND	ND				
1,2,3-Trichlorobenzene	1	5	ND	ND				
Acetone	25	50	ND	ND				
2-Butanone (MEK)	25	50	ND	ND				
4-Methyl-2-pentanone	25	50	ND	ND				
2-Hexanone	25	50	ND	ND				
Ethanol	250	500	ND	ND				
MTBE	1	2	ND	ND				
ETBE	1	2	ND	ND				
DIPE	1	2	ND	ND				
TAME	1	2	ND	ND				
t-Butyl Alcohol	10	20	ND	ND				

MDL=Method Detection Limit; PQL=Practical Quantification Limit; MB=Method Blank;
ND=Not Detected (below DF × MDL), * Obtained from a higher dilution analysis. J:Trace value (between DF × MDL & DF ×PQL).

03-08-2013

TPH-Gasoline
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Matrix:	Soil	Lab Sample ID:	AI303008-1
Batch No:	BMC05-GS1	Date Analyzed:	03-06-2013

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1,000	1,030	1,150	103.0	115.0	11.0	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
TPH-g	1,130	1,000	113.0	80-120

ND: Not Detected (at the specified limit).

03-08-2013

TPH-Gasoline
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Matrix:	Water	Lab Sample ID:	AS302109-2
Batch No.:	EMC05-GW1	Date Analyzed:	03-05/06-2013

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-g	ND	1,000	1,220	1,240	122.0	124.0	1.6	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Report Value	True Value	Rec.%	%Rec Accept. Limit
TPH-g	959	1,000	95.9	80-120

ND: Not Detected (at the specified limit).

03-08-2013

EPA 8015M (TPH)
Batch QA/QC Report

Client: AEI Consultants
Project: Sunset/316456
Matrix: Soil
Batch No. for TPH-d: BC06-DS1

Lab Job No.: AI303008
Lab Sample ID: AI303008-1
Date Analyzed: 03-06-2013

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-D	ND	200	206	192	103.0	96.0	7.0	30	70-130

II. LCS Result
Unit: ppm

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
TPH-D	199	200	99.5	80-120

ND: Not Detected (at the specified limit).

03-08-2013

EPA 8015M (TPH)
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Matrix:	Water	Lab Sample ID:	SW303006-1
Batch No. :	BC06-DW1	Date Analyzed:	03-06-2013

I. MS/MSD Report
Unit: ppm

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
TPH-D	ND	20	20.6	19.2	103.0	96.0	7.0	30	70-130

II. LCS Result
Unit: ppm

Analyte	LCS Report Value	True Value	Rec.%	%Rec Accept. Limit
TPH-D	19.9	20	99.5	80-120

ND: Not Detected (at the specified limit).

03-08-2013

EPA 8260B
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Matrix:	Soil	Lab Sample ID:	AI303008-1
Batch No:	0305-VOBS1	Date Analyzed:	03-05/06-2013

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	15.0	15.6	75.0	78.0	3.9	30	70-130
Benzene	ND	20	19.3	18.3	96.5	91.5	5.3	30	70-130
Trichloro-ethene	ND	20	20.5	20.3	102.5	101.5	1.0	30	70-130
Toluene	ND	20	21.7	21.9	108.5	109.5	0.9	30	70-130
Chlorobenzene	ND	20	16.8	18.0	84.0	90.0	6.9	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	20.9	20.0	104.5	80-120
Benzene	19.1	20.0	95.5	80-120
Trichloro-ethene	21.4	20.0	107.0	80-120
Toluene	23.1	20.0	115.5	80-120
Chlorobenzene	23.7	20.0	118.5	80-120

ND: Not Detected (at the specified limit)

03-08-2013

EPA 8260B
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Matrix:	Soil	Lab Sample ID:	WP303016-6
Batch No:	0306-VOBS1	Date Analyzed:	03-06/07-2013

I. MS/MSD Report
Unit: ppb

Analyte	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	15.3	18.6	76.5	93.0	19.5	30	70-130
Benzene	ND	20	17.2	19.1	86.0	95.5	10.5	30	70-130
Trichloro-ethene	ND	20	18.4	19.7	92.0	98.5	6.8	30	70-130
Toluene	ND	20	17.1	19.8	85.5	99.0	14.6	30	70-130
Chlorobenzene	ND	20	16.4	20.6	82.0	103.0	22.7	30	70-130

II. LCS Result
Unit: ppb

Analyte	LCS Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	20.5	20.0	102.5	80-120
Benzene	20.4	20.0	102.0	80-120
Trichloro-ethene	20.1	20.0	100.5	80-120
Toluene	22.3	20.0	111.5	80-120
Chlorobenzene	22.8	20.0	114.0	80-120

ND: Not Detected (at the specified limit)

03-08-2013

EPA 8260B
Batch QA/QC Report

Client:	AEI Consultants	Lab Job No.:	AI303008
Project:	Sunset/316456		
Matrix:	Water	Lab Sample ID:	AS302109-2
Batch No:	0305-VOEW1	Date Analyzed:	03-05/06-2013

I. MS/MSD Report
Unit: ppb

Compound	Sample Conc.	Spike Conc.	MS	MSD	MS %Rec.	MSD %Rec.	% RPD	%RPD Accept. Limit	%Rec Accept. Limit
1,1-Dichloroethene	ND	20	19.1	24.2	95.5	121.0	23.6	30	70-130
Benzene	ND	20	18.3	22.6	91.5	113.0	21.0	30	70-130
Trichloro-ethene	ND	20	18.4	23.1	92.0	115.5	22.7	30	70-130
Toluene	ND	20	19.1	22.5	95.5	112.5	16.3	30	70-130
Chlorobenzene	ND	20	18.0	23.4	90.0	117.0	26.1	30	70-130

II. LCS Result
Unit: ppb

Compound	LCS Report Value	True Value	Rec.%	Accept. Limit
1,1-Dichloroethene	17.1	20.0	85.5	80-120
Benzene	16.6	20.0	83.0	80-120
Trichloro-ethene	16.4	20.0	82.0	80-120
Toluene	16.3	20.0	81.5	80-120
Chlorobenzene	18.1	20.0	90.5	80-120

ND: Not Detected (at the specified limit)

ALPHA SCIENTIFIC CORPORATION

CHAIN OF CUSTODY RECORD

PW HF-2213-341

Lab Job Number AI303008

Client: AEI Sunset Tanks			
Address 5933 W. Century Blvd. #1346, Los Angeles, CA			
Report Attention N. Hernandez	**Phone** 310-748-4265	**Fax**	**Sampled by** N. Hernandez
Project Name/No. Sunset/3104562	**Project Site** 1185-1245 W. Sunset Blvd. Los Angeles CA		

Analyses Requested

T.A.T. Requested
☐ 8 hrs ☐ 24 hrs ☐ 48 hrs
☐ 3 days ☒ Normal

Sample Condition
☒ Chilled ☒ Intact
☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserv	No. type* & size of container	TPH-Gasoline (8015M)	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs)	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
AEI-B1-5		2/28/13	0844	Soil	ice	1 tube								
AEI-B1-10	AI303008-1		0851				X			X				
AEI-B1-15	-2		0901				X			X				
AEI-B2-5			0909											
AEI-B2-10	-3		0917				X			X				
AEI-B2-15	-4		0919				X			X				
AEI-B3-10			0952											
AEI-B3-15	-5		0958				X			X				
AEI-B3-20	-6		1009				X			X				
AEI-B4-5			1021											
AEI-B4-10			1024											
AEI-B4-15	-7		1030				X			X				
AEI-B4-20	-8		1040				X			X				
AEI-B5-5			1111											
AEI-B5-10			1115											
AEI-B5-15	-9	2/28/13	1120	Soil	ice	1 tube	X			X				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
	AEI	3/4/13	4:50pm		ASC	3/4/13	4:50pm
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

ALPHA SCIENTIFIC CORPORATION

CHAIN OF CUSTODY RECORD

PW HB-2013-34

Lab Job Number A1303008

Client:	AEI Consultants
Address	5935 W. Slauson Blvd Ste 316, Los Angeles CA
Report Attention	N. Hernandez
Phone	310-798-4265
Fax	
Sampled by	N. Hernandez
Project Name/No.	Sunset 316466
Project Site	1185-1245 W. Sunset Blvd Los Angeles CA

Analyses Requested

T.A.T. Requested: ☐ 8 hrs ☐ 24 hrs ☐ 48 hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserv	No. type* & size of container	TPH-Gasoline (AK 101 - 8260)	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs)	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
AEI-B5-26	A1303008-10	2/28/13	1139	soil	ice	1 tube	X			X				
AEI-B6-5		2/28/13												
AEI-B6-10	-11	2/28/13	1214				X			X				
AEI-B7-10	-12	3/1/13	0821							X				
AEI-B7-15	-13		0827				X			X				
AEI-B7-26	-14		0833				X			X				
AEI-B8-5	-15		0960							X				
AEI-B8-10	-16		0967				X			X				
AEI-B9-5	-17		0936							X				
AEI-B9-10	-18		0940							X				
AEI-B11-2			1050											
AEI-B10-4.5	-19		1055							X				
AEI-B11-5	-20		1113							X				
AEI-B11-8.5	-21		1122							X				
AEI-B12-5	-22	↓	1245	✓	↓	↓				X				
AEI-B12-10	-23	3/1/13	1250	soil	ice	1 tube				X				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
	AEI	3/4/13	4:50 pm		ASC	3/4/13	4:50 pm
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

ALPHA SCIENTIFIC CORPORATION

CHAIN OF CUSTODY RECORD

RcT #H5-2013-39 Lab Job Number A1303008

Client: AEI Consultants

Address: 5933 W Century Blvd 6th Flr, Los Angeles CA

Report Attention	Phone	Fax	Sampled by
N. Hernandez	310 798 4255		N. Hernandez

Project Name/No.	Project Site
Sunset/96456	1185-1245 W Sunset Blvd., Los Angeles CA

T.A.T. Requested: ☐ 8 hrs ☐ 24 hrs ☐ 48 hrs ☐ 3 days ☒ Normal

Sample Condition: ☒ Chilled ☒ Intact ☐ Sample seals

Client Sample ID	Lab Sample ID	Sample Collection Date	Sample Collection Time	Matrix Type	Sample Preserv	No.,type* & size of container	TPH-Gasoline (w/ BTEX)	TPH-Diesel	8260B (BTEX, Oxygenates)	8260B (VOCs)	8270C (SVOCs)	CAM Metals	8082 (PCBs)	Remark
AEI-B13-2		3/1/13	1325	soil	ice	1 tube								
AEI-B13-4	A1303008-24		1336							X				
AEI-B13-6	-25		1337							X				
AEI-B14-5	-26		1427							X				
AEI-B14-10	-27		1436							X				
AEI-B15-5	-28		1439							X				
AEI-B16-5	-29		~~1459~~ 1508							X				
AEI-B16-10	-30		1508	soil	ice	1 tube				X				
AEI-GW17	-31	3/1/13	~~1508~~ 1510	groundwater	ice/HCl	3 VOAs	X			X				

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
	AEI	3/4/13	4:50 pm		ASC	3/4/13	4:50 pm
Relinquished by	Company	Date	Time	Received by	Company	Date	Time

Container types: M=Metal Tube, A=Air Bag, P=Plastic bottle, G=Glass bottle, V=VOA vial

Alpha Scientific Corporation
16760 Gridley Road
Cerritos, CA 90703

Email: ascorp@verizon.net
Tel: (562) 809-8880
Fax: (562) 809-8801

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client's expense.
Distribution: WHITE with report, PINK to courier.

APPENDIX G

OTHER SUPPORTING DOCUMENTATION

AEI

PRE-SURVEY QUESTIONNAIRE (Environmental)

Instructions: Please complete the following questionnaire to the best of your knowledge.

SITE INFORMATION			
Street Address(es)/Location: Address list sent via email			
City:	County:	State:	Zip:
Parcel Number(s):			

Contact	Name	Phone Number	Yrs. Associated w/Site
Owner:	Aragon Properties Corp.	818·726·4818	10+
Site Contact:	Jeff Farrington	818·726·4818	1
Key Site Manager:	" "	" "	
Previous Owners, Operators and/or Occupants:			

PROPERTY USE AND SPECIFICATIONS

☐ Residential ☐ Office/Retail ☐ Industrial ☐ Vacant Land ☐ Agricultural ☐ Other: _____

Provide all known current/former addresses and/or parcel numbers: See email list

Are there any plans for site redevelopment or change in use? ☐ No ☒ Yes If yes, describe:

Total Property Size (acres):	Electricity Provider: DWP
Number of Buildings: Vacant	Heating System Fuel Source(s): Natural Gas
Building Size(s) (SF):	Gas Provider: SoCal
Original Construction Date(s):	Cooling System Power Source: ~~DWP~~ Electricity
Date(s) of Renovation(s):	Potable Water Source/Provider: DWP
Number of vacant units: N/A	Sanitary Sewer Provider: LA City

Any wastewater discharge at the site? ☐ Septic Tank/Leachfield ☐ Sanitary Sewer ☐ Other ☒ None

PROPERTY HISTORY

Current and Previous Occupant(s)	Years of occupancy	Brief description of on-site operations
Currenty Vacant		

Has the subject site ever been occupied by the following?

☐ Dry Cleaner ☐ Gas Station ☐ Printing Facility ☐ Manufacturing Facility Unsure, refer to previous Phase I & II by AEI

If yes, provide years of occupancy:

Have any previous investigations been performed at the subject property? ☐ No ☒ Yes Report # 316456

If Yes, are copies available? ☐ No ☐ Yes

If Yes, what type: ☒ Phase I ESA ☒ Phase II ☐ Asbestos Survey ☐ Lead Paint Survey ☐ Radon Sampling ☐ Other:

_____

By AEI

AEI Report #316456, Unsure of others, refer to previous AEI reports for background.

ON-SITE ENVIRONMENTAL CONDITIONS			
Are you aware of any of the following environmental conditions, **either current or former**, on the subject site?			
Environmental Condition/Issue	**Response**	**Environmental Condition/Issue**	**Response**
Aboveground Storage Tanks (ASTs)	☐ No ☐ Yes	Polychlorinated Biphenyls (PCBs)	☐ No ☐ Yes
Underground Storage Tanks (USTs)	☐ No ☒ Yes	Electrical Transformers	☐ No ☐ Yes
Hazardous/Toxic Substances/Chemicals	☐ No ☐ Yes	Hydraulic Lifts	☐ No ☐ Yes
Chemical Spills/Releases	☐ No ☐ Yes	Elevators	☐ No ☐ Yes
Dump Areas/Landfills	☐ No ☐ Yes	Asbestos	☐ No ☐ Yes
Waste Treatment Systems	☐ No ☐ Yes	Lead-Based Paint	☐ No ☐ Yes
Wastewater Discharges	☐ No ☐ Yes	Oil/Gas Wells	☐ No ☐ Yes
Floor Drains, Sumps, Clarifiers/Oil Water Separators	☐ No ☐ Yes	Flooding, Leaks, Other Water Intrusion	☐ No ☐ Yes
Pits, Ponds, Lagoons	☐ No ☐ Yes	Environmental Permits	☐ No ☐ Yes
Stained Soil, Stressed Vegetation	☐ No ☐ Yes	Environmental Cleanups	☐ No ☐ Yes
Pesticide/Herbicide Use	☐ No ☐ Yes	Water Damage, Mold	☐ No ☐ Yes

OTHER ENVIRONMENTAL CONDITIONS

Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property? ☒ No ☐ Yes If yes, provide brief explanation.

Are you aware of any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? ☒ No ☐ Yes If yes, provide brief explanation.

Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? ☒ No ☐ Yes If yes, provide brief explanation.

SIGNATURE INFORMATION

Person completing questionnaire: Jeffrey Farrington

Title/Affiliation to property: General Manager - Aragon

Number of years associated with property: 1

Date: 5/24/23

SITE VISIT INFORMATION

- A person knowledgeable of current property use/business operations should be present during the site visit.
- Access to a percentage of units should be provided as requested by the field professional.
- Access to the following areas should be provided: all common areas, storage areas, and utility areas; all underground features and chemical storage/disposal areas.
- The following documentation should be provided for review if applicable: all hazardous waste manifests, environmental permits, and any previous environmental reports.

Project Number:		Return via Fax:	
Project Manager:		Return via Email:	

CALIFORNIA - EPA Map of Radon Zones

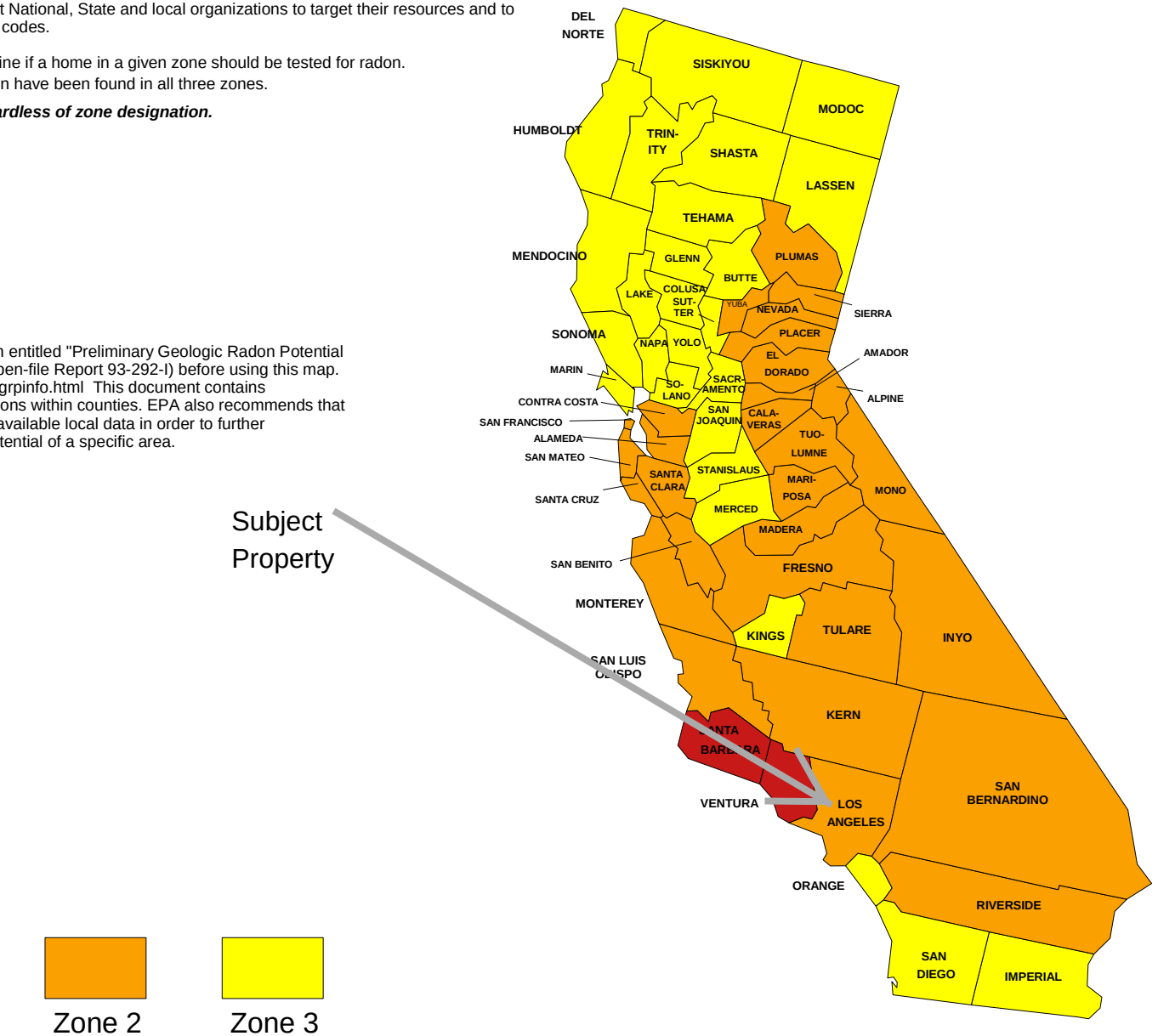
http://www.epa.gov/radon/zonemap.html

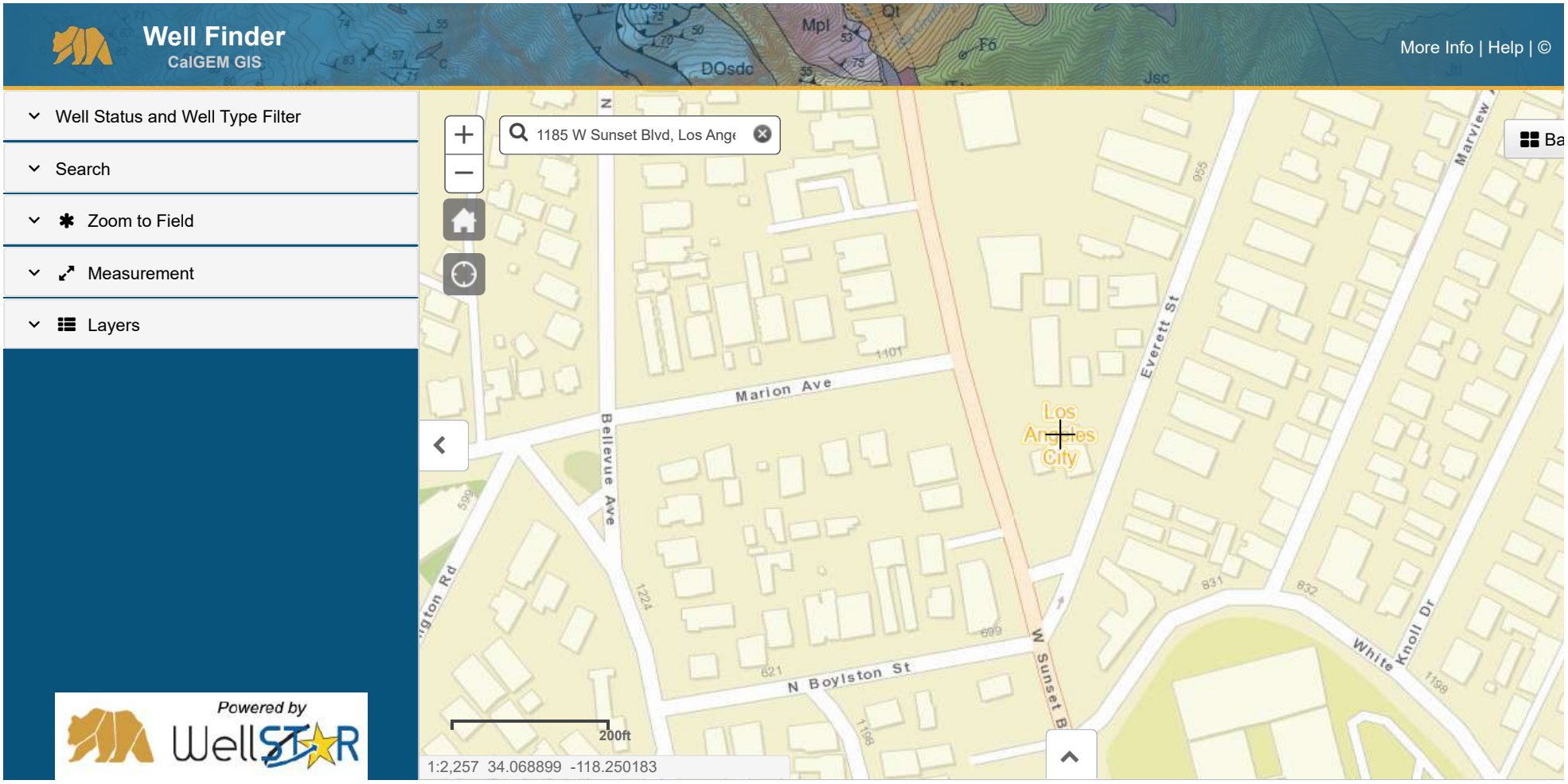
The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

All homes should be tested, regardless of zone designation.

IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of California" (USGS Open-file Report 93-292-I) before using this map. See http://energy.cr.usgs.gov/radon/grpinfo.html This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.




Well Finder
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Bellevue Ave
Everett St
Los Angeles City
N Boylston St
W Sunset B
White Knoll Dr
Marview
Powered by WellSTAR
200ft
1:2,257 34.068899 -118.250183

California Department of Conservation California Geological Survey

1 of 1

Generalized Rock Types: M

General Lithology	marine sedimentary rocks
Age	Miocene
Description	Sandstone, shale, siltstone, conglomerate, and breccia; moderately to well consolidated.

•••

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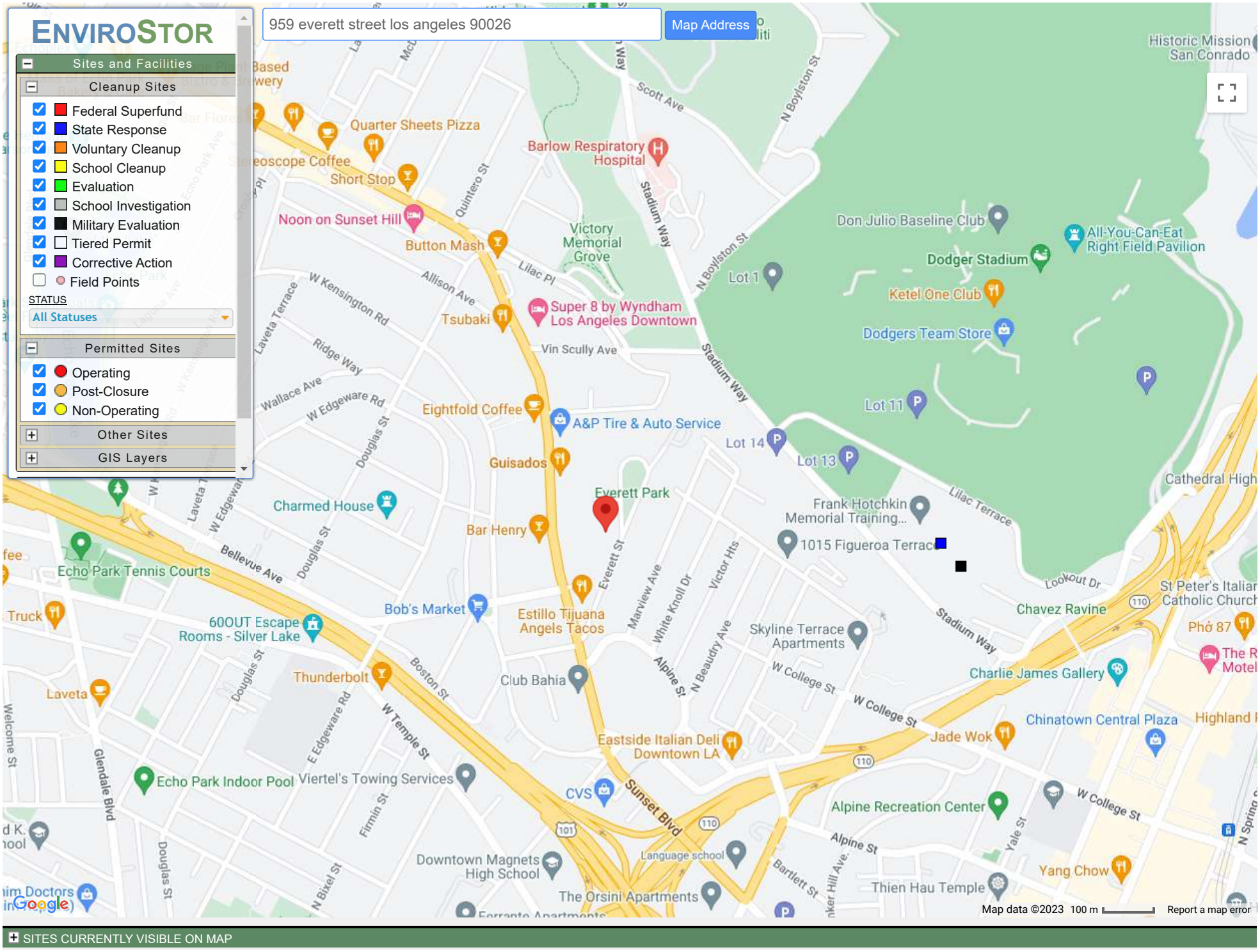
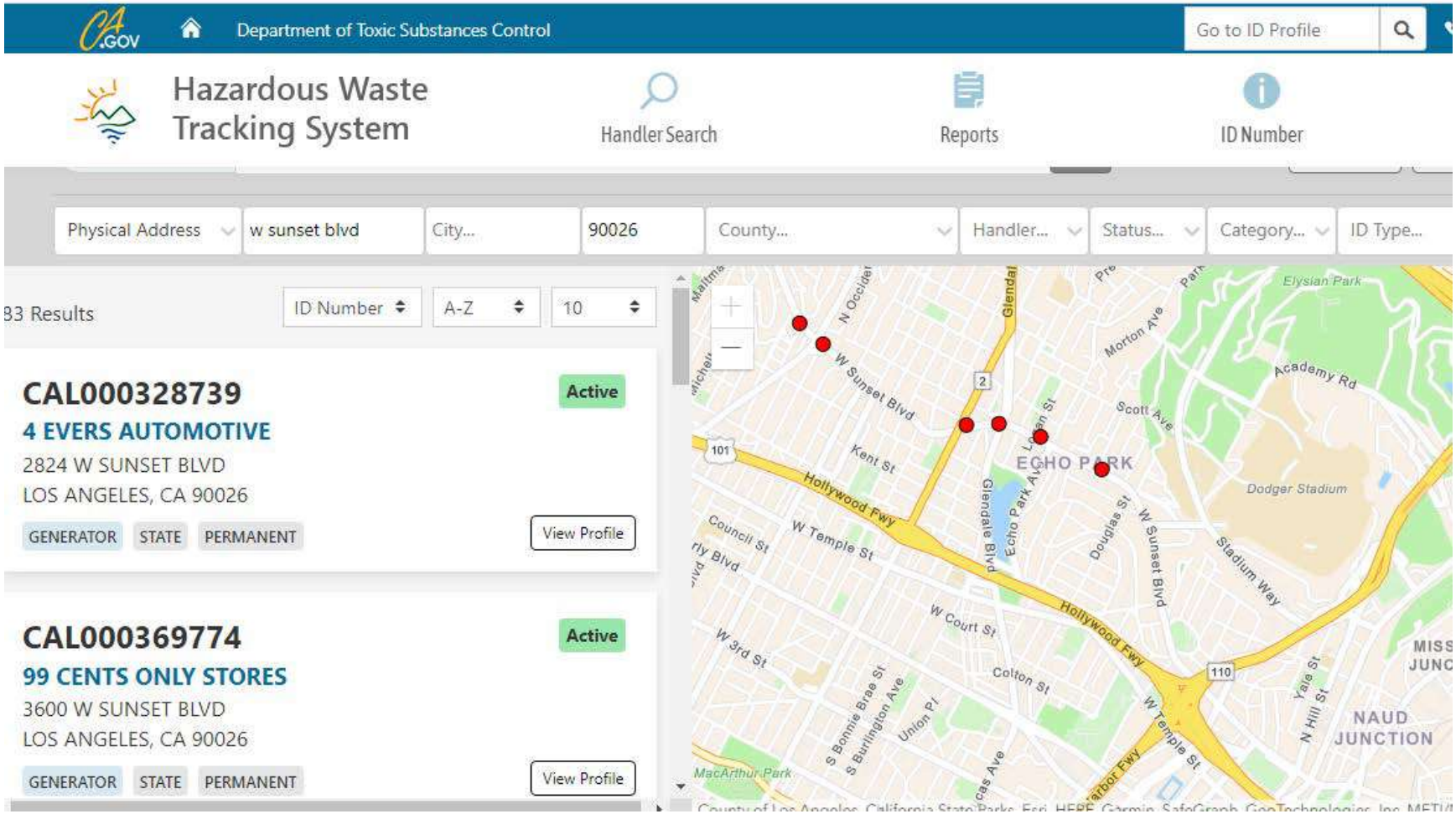


SITES CURRENTLY VISIBLE ON MAP


Department of Toxic Substances Control
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County...
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Status...
Category...
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LOS ANGELES, CA 90026
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ECHO PARK
Elysian Park
Dodger Stadium
NAUD JUNCTION
MacArthur Park
W Sunset Blvd
Hollywood Fwy
W Temple St
W Court St
W 3rd St
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Kent St
Council St
Scott Ave
Morton Ave
Academy Rd
Stadium Way
Douglas St
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Union Pl
S Bonnie Brae St
S Burlington Ave
Yale St
N Hill St
Harbor Fwy
101
2
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Natural Resources Conservation Service

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Area of Interest (AOI) | Soil Map | Soil Data Explorer | Download Soils

Search

Map Unit Legend

Los Angeles County, California, Southeastern Part (CA696)

Los Angeles County, California, Southeastern Part (CA696)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1240	Urban land-Dapplegray complex, 5 to 20 percent slopes	3.8	100.0%
Totals for Area of Interest		**3.8**	**100.0%**

Soil Map

Legend

Warning: Soil Map may no

You have zoomed in beyond the
were mapped at 1:24,000. The

Enlargement of maps beyond th
contrasting soils that could have

FOIA | Accessibility Statement | Priv

Map Unit Description

Printable Version

Report — Map Unit Description

Los Angeles County, California, Southeastern Part

1240—Urban land-Dapplegray complex, 5 to 20 percent slopes

Map Unit Setting

National map unit symbol: 2tb7w
Elevation: 230 to 1,300 feet
Mean annual precipitation: 16 to 19 inches
Mean annual air temperature: 64 to 66 degrees F
Frost-free period: 320 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 70 percent
Dapplegray and similar soils: 20 percent
Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Hillslopes

Properties and qualities

Slope: 0 to 20 percent
Depth to restrictive feature: 0 inches to manufactured layer
Runoff class: Very high

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Description of Dapplegray

Setting

Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope, tread, riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Human-transported material consisting mostly of colluvium and/or residuum weathered from sedimentary rock

Typical profile

^A - 0 to 2 inches: loam
^Au - 2 to 7 inches: loam
^Cu - 7 to 19 inches: loam
^C1 - 19 to 52 inches: clay loam
^C2 - 52 to 69 inches: clay loam
^C3 - 69 to 79 inches: clay loam

Properties and qualities

Slope: 5 to 20 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: F019XG913CA - Loamy Hills <30"ppt
Hydric soil rating: No

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e at a particular scale. The soil surveys that comprise your AOI
nt on that map scale.

of soil line placement. The maps do not show the small areas of

House

Minor Components

Counterfeit

Percent of map unit: 5 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope, tread, riser
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Nacimiento, warm

Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Balcom

Percent of map unit: 2 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Description — Map Unit Description

About

CalEPA CalEPA Regulated Site Portal

959 everett street los ang

2 sites found

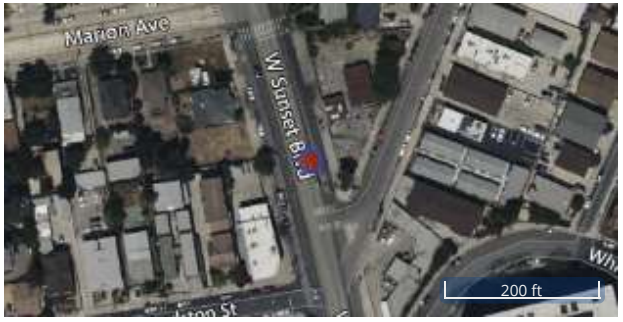
Did you mean: 959 Everett St, Los Angeles, CA 90026

O&J AUTO REPAIR & SALES
1185 W SUNSET BLVD
LOS ANGELES CA 90026

FAR EAST AUTO SERVICES
1289 W SUNSET BLVD
LOS ANGELES CA 90026

O&J AUTO REPAIR & SALES
1185 W SUNSET BLVD
LOS ANGELES CA 90026

PROFILE MAP REGULATORY PROGRAMS COMPLIANCE



Geopolitical

COUNTY
Los Angeles County

CALENVIROSCREEN 3.0 PERCENTILE RANGE
91-95%

Regulatory Programs

Hazardous Waste Generator

ENVIRONMENTAL INTEREST START DATE
07/10/2013

LAST INSPECTED
06/11/2018

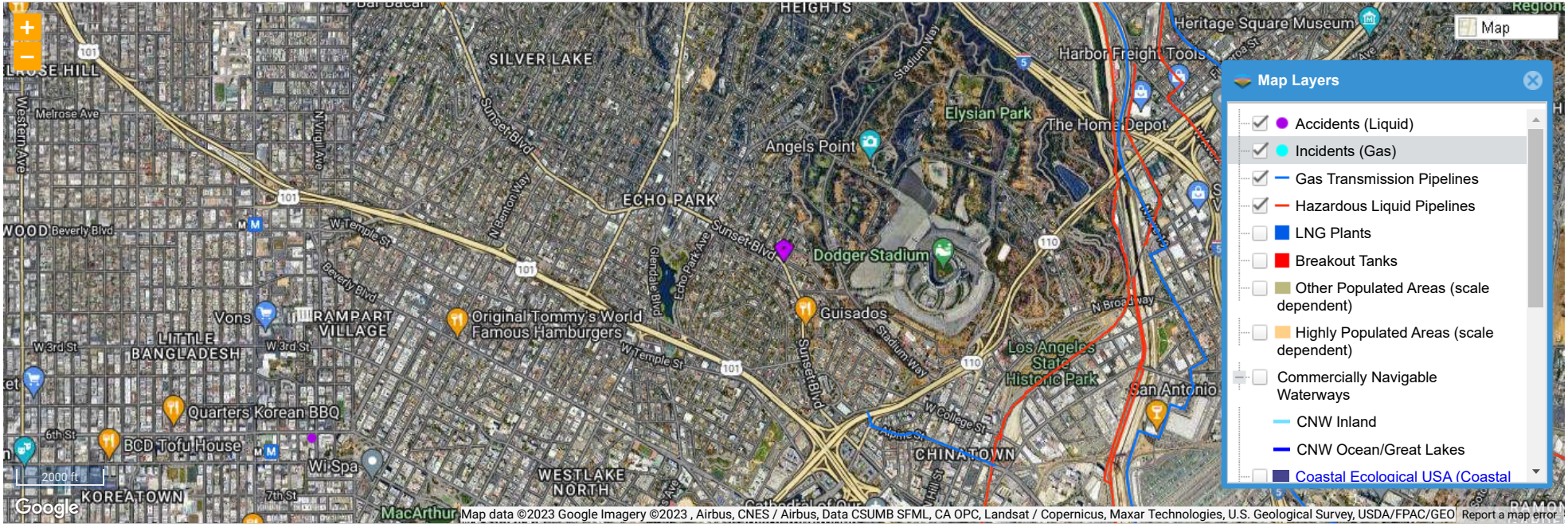
SOURCE SYSTEM
California Environmental Reporting System

SOURCE SYSTEM ID
10252639

Public Viewer

Change County | Close Public Viewer

Map Layers | Query Tools | 1185 W Sunset Blvd, Los Angele | Help



Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | (lat,long): 34.071246, -118.235236 | Map Showing Pipelines in: Los Angeles, CA

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

Tools | Reports | UST Case Closures | How to Use GeoTracker | ESI | Information

HISTORICAL HAZARDOUS SUBSTANCE STORAGE INFORMATION - INFO

BACK TO SEARCH FORM — 0 RECORDS FOUND

CLICK HERE TO EXPAND SEARCH RESULTS TO INCLUDE *ANY* PART OF ADDRESS "959 EVERETT".

BUSINESS NAME	ADDRESS	CITY	ZIP	COUNTY	FILE
NO RESULTS FOUND					

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GeoTracker PFAS MAP

PFAS SAMPLING LOCATIONS

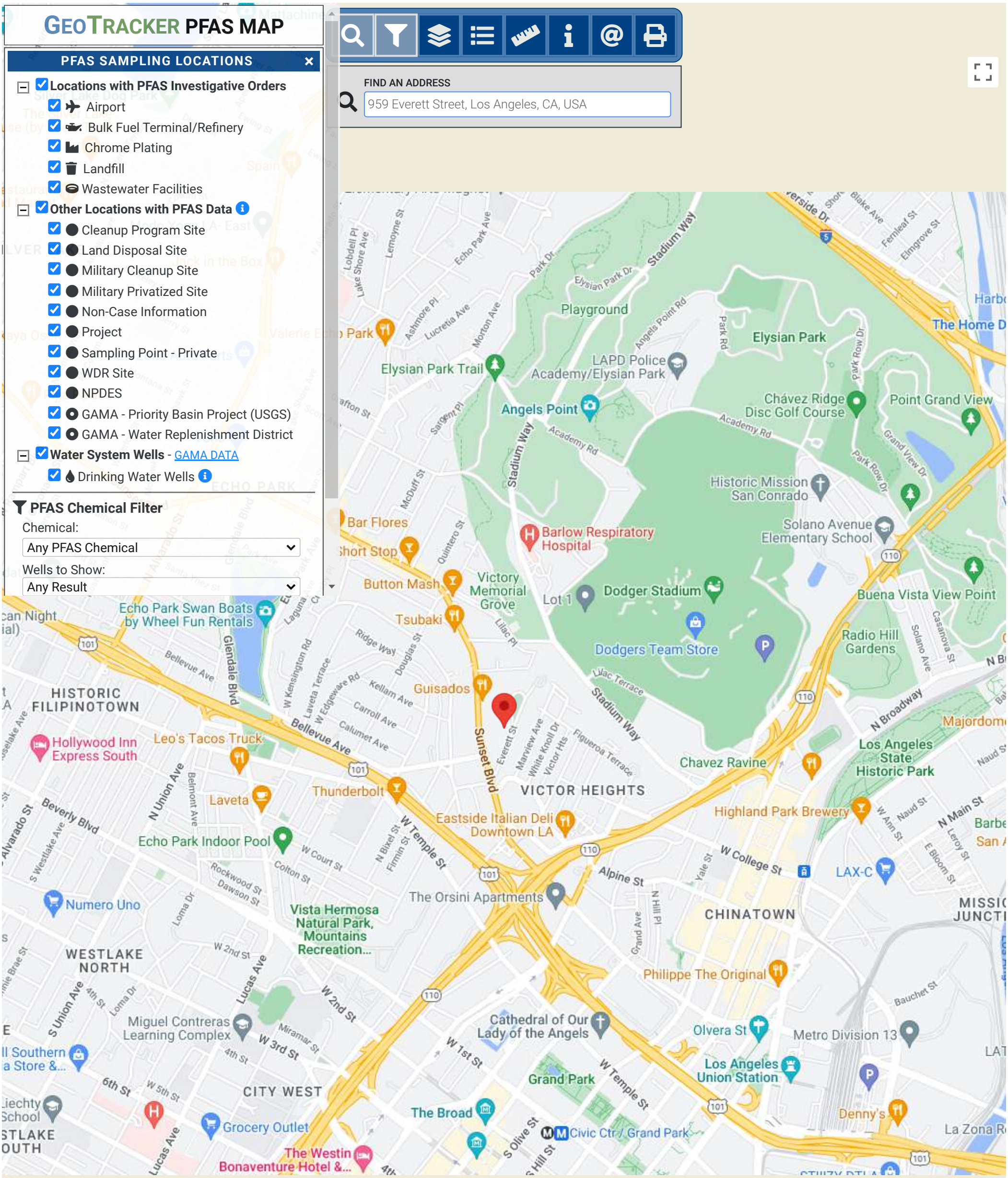
- **Locations with PFAS Investigative Orders**
  - Airport
  - Bulk Fuel Terminal/Refinery
  - Chrome Plating
  - Landfill
  - Wastewater Facilities
- **Other Locations with PFAS Data**
  - Cleanup Program Site
  - Land Disposal Site
  - Military Cleanup Site
  - Military Privatized Site
  - Non-Case Information
  - Project
  - Sampling Point - Private
  - WDR Site
  - NPDES
  - GAMA - Priority Basin Project (USGS)
  - GAMA - Water Replenishment District
- **Water System Wells** - GAMA DATA
  - Drinking Water Wells

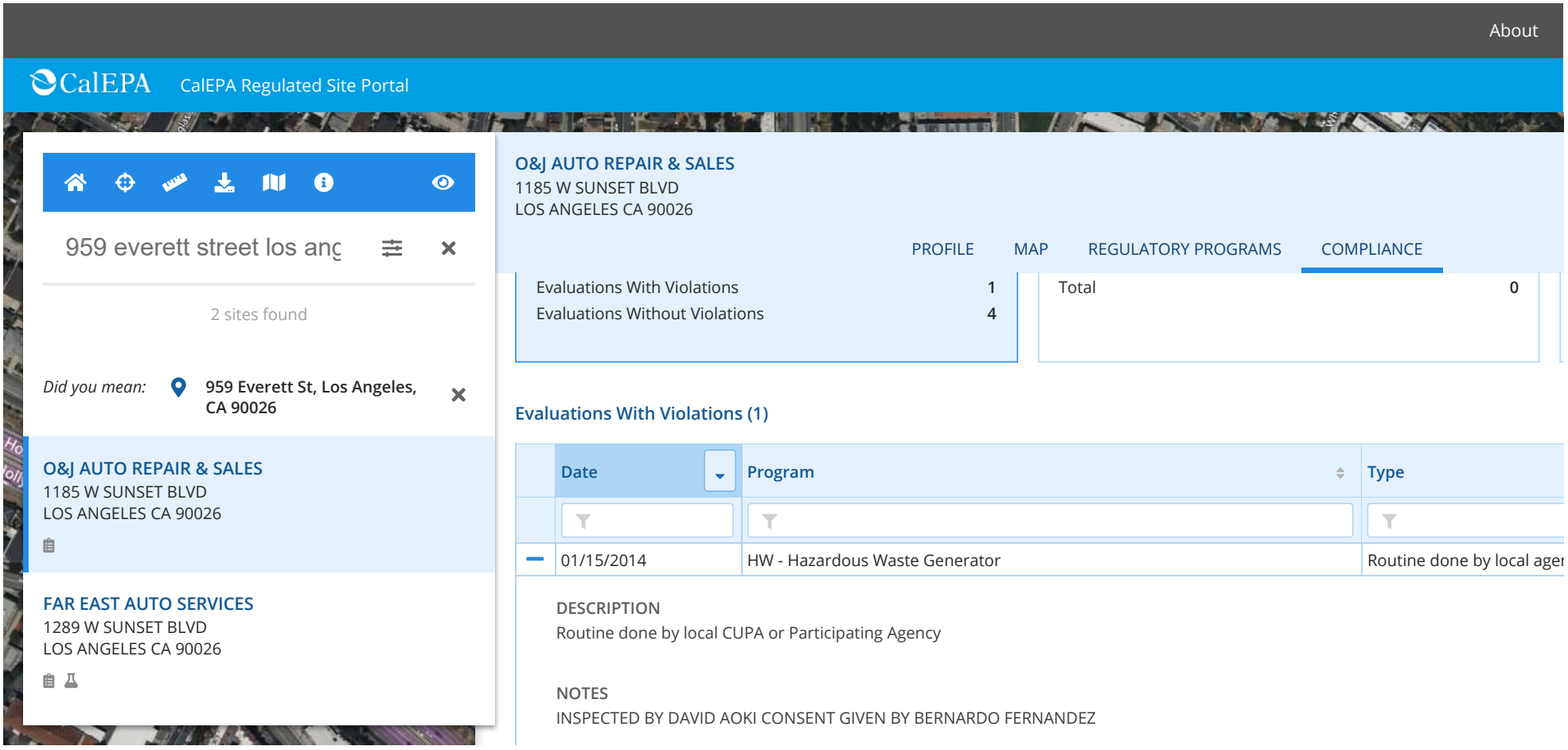
PFAS Chemical Filter

Chemical: Any PFAS Chemical

Wells to Show: Any Result

FIND AN ADDRESS: 959 Everett Street, Los Angeles, CA, USA




About
CalEPA
CalEPA Regulated Site Portal
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LOS ANGELES CA 90026
FAR EAST AUTO SERVICES
1289 W SUNSET BLVD
LOS ANGELES CA 90026
O&J AUTO REPAIR & SALES
1185 W SUNSET BLVD
LOS ANGELES CA 90026
PROFILE
MAP
REGULATORY PROGRAMS
COMPLIANCE
Evaluations With Violations 1
Evaluations Without Violations 4
Total 0
Evaluations With Violations (1)
Date
Program
Type
01/15/2014
HW - Hazardous Waste Generator
Routine done by local ager
DESCRIPTION
Routine done by local CUPA or Participating Agency
NOTES
INSPECTED BY DAVID AOKI CONSENT GIVEN BY BERNARDO FERNANDEZ

APPENDIX H

QUALIFICATIONS

Caroline Hanna

Project Manager, Due Diligence

EDUCATION

- B.S. – Environmental Science and Management, University of California, Davis

SUMMARY OF PROFESSIONAL EXPERIENCE

Ms. Hanna provides expertise in environmental project management, consulting, and due diligence services to ensure ASTM compliance and satisfaction of client requirements for Phase I Environmental Site Assessments, Environmental Transaction Screens, Regulatory Database and Historical Records Reviews for large- and small-scale industrial, commercial, multi-tenant residential, and rural properties.

PROJECT EXPERIENCE

Project experience for Ms. Hanna includes:

- Phase I Environmental Site Assessments (PHI ESAs)
- Limited Environmental Site Assessments (LESAs)
- Environmental Transaction Screens (ETSs)
- Records Research with Risk Assessments (RSRAs)
- Regulatory Database Reviews
- Historical Records Reviews

As a Due Diligence Project Manager, Ms. Hanna provides project management and technical expertise to ensure ASTM compliance and satisfaction of client requirements in California.

In addition, prior to joining the environmental consulting industry, Ms. Hanna spent four years studying a diverse range of environmental disciplines including: environmental health, coastal ecology and conservation, environmental statistics, ecology, conservation biology, environmental law and policy, and science communications.

Justine Stefanelli

Senior Project Manager, Due Diligence

EDUCATION

- M.P.S. – Environmental Management, Stony Brook University, 2011
- B.S. – Aviation Administration, Farmingdale State College, 2010
- A.A. – Airport Management, Vaughn College, 2009
- A.S. – Liberal Arts, Farmingdale State College, 2007

CERTIFICATIONS

- New York State DOL Asbestos Inspector (License No. 17-26714)
- NYC Office of Environmental Remediation, Brown Field Turbo Training, Bronze Certified
- NYSDEC Erosion and Sediment Control SWPPP Training, 2018
- US Fish and Wildlife Service Threatened and Endangered Species Training
- SCUBA open-water certification, 2014
- OSHA 40-Hour HAZWOPER

SUMMARY OF PROFESSIONAL EXPERIENCE

Ms. Stefanelli is a Senior Project Manager for the Due Diligence Division, providing management of environmental due diligence projects to ensure ASTM compliance and satisfaction of client requirements. Ms. Stefanelli has completed hundreds of environmental assessments for a variety of sites including apartment buildings/complexes, commercial office buildings, shopping centers, multi-tenant commercial and industrial complexes, industrial warehouses, agricultural land, manufacturing facilities, gas stations, auto repair facilities, plating facilities, and dry-cleaning facilities. In addition, Ms. Stefanelli has experience with conducting field sampling, Asbestos surveys, Phase II investigations, airport environmental projects, ecological monitoring, and business development.

PROJECT EXPERIENCE

Project experience for Ms. Stefanelli includes:

- Phase I / II Environmental Site Assessments
- Environmental Transaction Screens
- Groundwater, surface water, soil, sediment, and air sampling
- Sanitary sampling
- Petroleum and dry-cleaning solvent remediation
- Ecological Surveys
- Health and safety planning
- Asbestos surveys

Ms. Stefanelli's experience also extends to endangered species and avian monitoring projects, health and safety facility inspections, surface water sampling for municipal clients, environmental impact statements, environmental permitting, grant writing, brownfield remediation projects, and ecological surveys including vegetation surveys, wetland species identification, shellfish surveys, and underwater benthic surveys.

Adam J. Bennett

Regional Director

EDUCATION

- B.A. – Geology, Whittier College

CERTIFICATIONS

- 40 Hour HAZWOPER

SUMMARY OF PROFESSIONAL EXPERIENCE

Mr. Bennett has fifteen years of experience in environmental consulting. Mr. Bennett is the regional director for the Southern California area including the Los Angeles and Irvine offices of AEI Consultants, and oversees all daily activities throughout the offices. He is responsible for development of new business with banking institutions, development companies, mortgage brokers, and real estate firms; and for maintaining existing client satisfaction and relationships. Also responsible for providing quality assessment/quality control for various Environmental Site Assessment reports prepared for clients located throughout the United States. Advised and consult clients and staff to make the proper environmental decisions and recommendations. His project experience includes but is not limited to: Phase I Environmental Site Assessments, Real Estate Transaction Screens, radon screening projects, asbestos inspections, lead-based paint inspections, and reviewing/evaluating Phase II and Phase III reports. His experience includes management of portfolio projects involving numerous properties throughout the US.

PROJECT EXPERIENCE

Project experience for Mr. Bennett includes:

- Phase I Environmental Site Assessments, Real Estate Transaction Screens and Property Condition Assessments
- The design and implementation of numerous Phase II soil and groundwater investigations for a variety of suspected contaminants for due diligence and liability purposes Methane testing (LADBS)
- Research, procure, catalog, interpret historical aerial photographs, and report through written declarations and depositions as an expert witness on major local, state, and federal cases throughout the United States
- LAUSD new school site safety assessments
- Installation of groundwater monitoring wells
- Hazardous waste disposal, clarifier, UST/AST removals
- Successfully negotiating with regulators for site closures across California.

Mr. Bennett also has extensive experience in the use of aerial photograph interpretation and has been retained as an expert witness for the interpretation of historical aerial photographs on several class action lawsuits.

APPENDIX I

COMMONLY USED ACRONYMS & ABBREVIATIONS

UNITS

µg/L	Micrograms per Liter	**pCi/L**	PicoCuries per Liter
mg/kg	Milligrams per Kilogram	**ppb**	Parts per Billion
mg/L	Milligrams per Liter	**ppm**	Parts per Million

ABBREVIATIONS AND ACRONYMS

ACM	Asbestos-Containing Material	**NESHAP**	National Emission Standards for Hazardous Air Pollutants
ADJ	Adjacent site	**NFA**	No Further Action
AEI	AEI Consultants	**NFRAP**	No Further Remedial Action Planned
AHERA	Asbestos Hazard Emergency Response Act	**NLR**	No Longer Reporting
APN	Assessor's Parcel Number	**NOV**	Notice of Violation
AST	Aboveground Storage Tank	**NPL**	National Priorities List
AUL	Activity and Use Limitation	**O&M**	Operations and Maintenance
bgs	Below Ground Surface	**OEC**	Other Environmental Considerations
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes	**OSHA**	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act	**PCB**	Polychlorinated Biphenyl
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System	**PCE, PERC**	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
CESQGs	Conditionally Exempt Small Quantity Generators	**RCRA**	Resource Conservation and Recovery Act
COC	Contaminant of Concern	**REC**	Recognized Environmental Condition
CREC	Controlled Recognized Environmental Condition	**RP**	Responsible Party
EC	Engineering Controls	**SDS**	Safety Data Sheet
EDR	Environmental Data Resources, Inc.	**SEMS**	Superfund Enterprise Management System
EPA	Environmental Protection Agency	**SF**	Square Footage/Square Feet
ERIS	Environmental Risk Information Services	**SP**	Subject Property
ERNS	Emergency Response Notification System	**SQG**	Small Quantity Generator
ESA	Environmental Site Assessment	**SWLF**	Solid Waste Landfill
GPR	Ground-Penetrating Radar	**SVOC**	Semi-Volatile Organic Compound
HREC	Historical Recognized Environmental Condition	**TCE**	Trichloroethylene, Trichloroethene
HVAC	Heating, Ventilation and Air Conditioning	**TPH**	Total Petroleum Hydrocarbons
HWS	Hazardous Waste Site	**TPHd**	Total Petroleum Hydrocarbons (diesel range)
IC	Institutional Controls	**TPHg**	Total Petroleum Hydrocarbons (gasoline range)
LBP	Lead-Based Paint	**TPHo**	Total Petroleum Hydrocarbons (oil range)
LCP	Lead-Containing Paint	**TRPH**	Total Recoverable Petroleum Hydrocarbons
LLP	Landowner Liability Protection	**TSDF**	Treatment, Storage, and Disposal Facility
LQG	Large Quantity Generator	**USDA**	United States Department of Agriculture
LUST	Leaking Underground Storage Tank	**USGS**	United States Geological Survey
MCL	Maximum Contaminant Level	**UST**	Underground Storage Tank
MTBE	Methyl Tertiary Butyl Ether	**VCP**	Voluntary Cleanup Program
ND	None Detected	**VOC**	Volatile Organic Compound

May 11, 2023

Scope of work revised per client:

The project proposes to replace a 107,100 sf vacant parcel with two seven story mixed-use buildings, providing 327 dwelling units, 9,462 of commercial space, and 263 on-site spaces.

METHANE
SPECIALISTS

621 Via Alondra
Suite 610
Camarillo, California 93012

TEL: 805.987.5356
FAX: 805.987.3968

methanespecialists.com

March 4, 2013
Job # J2715

To: Aragon Properties, Ltd.
1590 Rosecrans Ave., Suite #D-303
Manhattan Beach, CA – 90266

Attn: Mr. Fred Schaffer, General Manager, Los Angeles Division

Tel: 310.213.6560

Email: fshaffer@aragon.ca

Subj: Site Methane Investigation Report for:

1185-1245 W. Sunset Blvd.
Los Angeles, CA – 90026

Methane Specialists is pleased to submit this report with the results of our subsurface methane investigation for the above mentioned project. The purpose of the investigation was to measure subsurface soil gas concentrations and pressures of methane at the subject site to determine site-specific methane mitigation requirements prescribed by the City of Los Angeles Department of Building and Safety. This investigation was conducted in accordance with our proposal dated February 22, 2013.

Project Information

As proposed, the project will include the construction of a new ''new 200+ Unit Apartment Complex ''over ''two subterranean parking levels''. The parcel area to be developed is approximately 116,000 square feet. Ground water was not encountered by any probeset during drilling down below a depth of greater than 16 feet, below surface grade (bsg). Refusal was met by three of the deep probes, down to a depth of greater than 16 feet (bsg). A geotechnical report was not provided to us before the writing of this report. Thus, the historical groundwater level at this location assumed to be greater than 16 feet, bsg, and approximately greater than 1 foot below where an impermeable membrane would be required to be installed. Whether de-watering is required is to be determined by the Geotechnical Engineer in his final project report.

The site is within an area which the City of Los Angeles designates as a *Methane Zone*.

City of Los Angeles Methane Requirements

Requirements for control of methane intrusion in the City of Los Angeles are specified in Division 71 of Article 1, Chapter IX of the Los Angeles Municipal Code ("Division 71"). Since the project is within the Methane Zone, the Department of Building and Safety has the authority to withhold permits for construction unless detailed plans for adequate protection against methane intrusion are submitted, if testing leads to methane mitigation being required.

The level of methane protection required depends upon the "design methane concentration," which is defined in Division 71 as "the highest concentration of methane gas found during site testing." Site testing is required to determine the design concentration, unless the developer accepts the most stringent methane mitigation requirements ("Level V"). If site testing is performed (e.g., to document that a lower level of mitigation is justified), then it must follow a protocol published by the Department of Building and Safety, "Site Testing Standards for Methane" (P/BC 2002-101, November 30, 2004).

P/SC 2002-101 prescribes a three-step process for methane evaluation:

(1) Scheduling site testing either before or 30 days after any site grading;
(2) Conducting shallow soil gas tests (not less than 4 feet, bsg); and
(3) Installing and using multiple-depth gas probe sets where the highest concentrations of soil gases are expected to be found

For the first step, site testing was scheduled for March 1, and 4, 2013. Methane Specialists also notified Underground Service Alert of Southern California to mark the site for underground utilities, and the utilities were subsequently marked and cleared.

For the second step, P/BC 2002-101 requires one shallow sampling location for every 10,000 square feet, or portion thereof, of site area, with a minimum of two shallow soil gas probe locations. Since the site area is approximately 116,000 square feet, a minimum of twelve (12) *shallow* sampling locations were required.

The third step in the City's methane evaluation process is to collect a minimum of two samples at multiple depths, and at least one multiple-depth probeset per every 20,000 square feet, or portion thereof. Thus, a minimum of six (6) multiple-depth *deep* gas probe sets were *also* required.

Shallow Soil Gas Probe Testing

City Guidelines require that one shallow-depth probe be installed for every 10,000 square feet of site area where the highest concentration of soil gas is most likely to be found, with a minimum of two shallow gas probes, regardless of the total area of the site. Since the total square footage of the site is approximately 116,000 square feet, Methane Specialists installed the required minimum of twelve (12) shallow methane probes at a depth of 4 feet bsg (see Probe Location Map).

The shallow gas probes, designated SP-1 through SP-12, were drilled and installed on March 1, 2013. Methane Specialists used a direct push drill rig to hydraulically drive a 1.50 inch rod into the ground to a depth of approximately 4 feet, bsg. A ¼" polyethylene probe was then inserted into the boreholes. Approximately six inches of sand was placed in the boreholes, above and below the probe, to provide a sampling area. Bentonite was then added to the top of each of the boreholes. A hydrated bentonite plug was then placed above the bentonite, in each borehole, to form a seal.

Shallow probe site testing was conducted on March 1, and 4, 2013.

Multiple-Depth Gas Probe Set Testing

City Guidelines also require that one multiple-depth deep probe set be installed for every 20,000 square feet of site area where the highest concentration of soil gas is most likely to be found, with a minimum of two multiple-depth deep gas probe sets, regardless of the total area of the site. Since the total area of the site is approximately 116,000 square feet, Methane Specialists drilled and installed the required six (6) multiple-depth deep probesets, designated P-1 through P-6, also on March 1, 2013.

The multiple-depth deep probes were also installed using direct-push drilling equipment in the same manner as were the shallow gas probes. The deep probes were installed as double to triple-well clusters, starting from greater than 5 feet, bsg, down to refusal at depths from 8 to 16 feet, bsg, at P-1, through P-6 (refer to attached Gas Monitoring Log sheets). Groundwater was not encountered at P-1 though P-6. In all cases, at each probe depth, approximately twelve inches of sand was placed in the borehole around each of the probes. Each of the probe sand layers were separated by layers of bentonite, between the sampling elevations. A hydrated, bentonite, plug was then placed onto the top of each borehole to form a seal as per attached Probe Boring Detail.

Multi-depth probe site testing was also conducted on March 1, and 4, 2013.

Sampling and Analysis

For field data sampling and analysis, Methane Specialists measured these probes for methane with a RKI Eagle portable, gas-sampling meter. The lower limit for reporting methane levels with the RKI Eagle is 500 ppmv (parts per million by volume).

The RKI Eagle was calibrated against standard calibrant samples by trained Methane Specialists staff members.

The probe pressures were all measured with a Dwyer Magnehelic Differential Pressure Gauge with a minimum scale division of 0.1 inch of water (H_2O).

Results of Shallow Gas Probe and Multiple-Depth Gas Probe Analysis

The attached Form 1 shows the results of the analysis of both the shallow, *and* the multiple, depth deep probe sets.

Recommendations

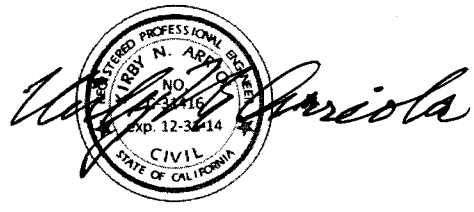
In summary, methane was measured at greater than one percent of the Lower Explosive Limit (LEL) of methane, at the subject site. Therefore, according to Table 1A (enclosed), for the Methane Zone, this project falls under Design Level ***II***, with less than 2 inches of water-column gas-pressure. Thus, as per said Methane Code Table 1A, this project ***does*** require a ''passive'' methane mitigation system.

Disclaimer

All discussion in this report is based on information provided by the client, as well as data and conditions, as they existed at the time and date of testing at the site. Should any detail, or condition, change from that original information, then, re-consideration of the conclusions in this report could become justified. Methane Specialists cannot be held accountable for the consequences of relevant information which was not previously provided. Nor can Methane Specialists be held accountable for the consequences of changes in the project scope, or of project site conditions.

This report has been prepared for the sole use of the client, exclusively, for the completion of the subject project, alone. No other application, or interpretation, of this report is to be granted, or implied, or otherwise made, without first obtaining direct, written permission, exclusively from Methane Specialists.

Respectfully,
Methane Specialists



Kirby N. Arriola, P.E. (C-31416)

INDEX OF ENCLOSURES

ASSESSOR PARCEL MAP

PROJECT LOCATION MAP

PARCEL PROFILE REPORT

METHANE PROBE LOCATION MAP

TYPICAL METHANE PROBE SET DETAIL

FORM 1, PART 2 – TEST DATA

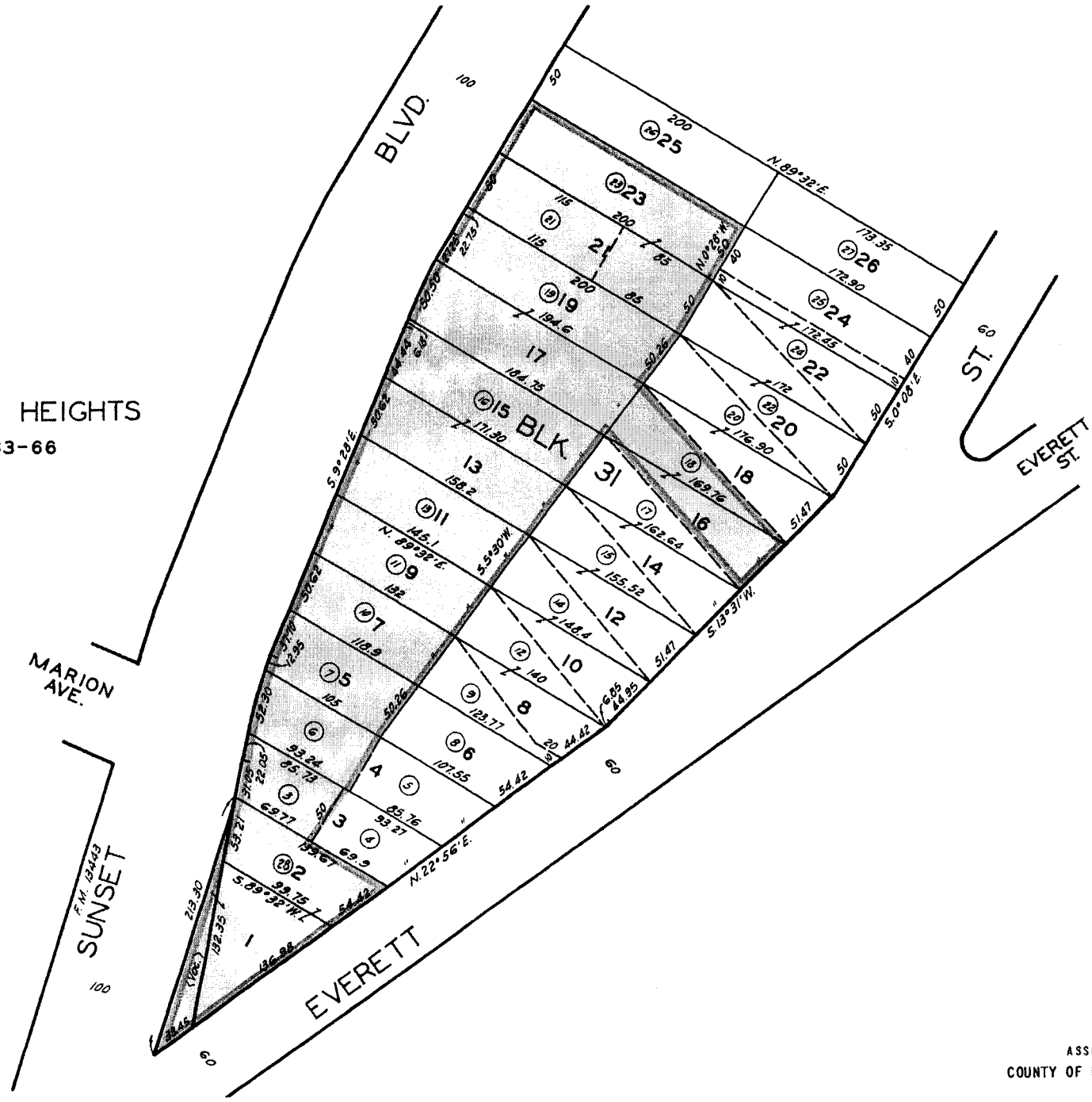
TABLE 1 –MITIGATION REQUIREMENTS

FORM 1, PART 1 – CERTIFIED RESULTS

406 | 16

E 1" = 80'

REVI
3-6-
6802



J2715: 1185-1245 W. Sunset Blvd., Los Angeles, CA - 90048

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF

CITY LA DBS
DEPARTMENT OF BUILDING AND SAFETY

PARCEL PROFILE REPORT

Report Execution Date: February 26, 2013 - 04:31 PM

Job Address(es) -
1) 1185 W. SUNSET BLVD. , 90026
2) 1187 W. SUNSET BLVD. , 90026

1. PARCEL LEGAL DESCRIPTION INFORMATION:

Legal Description:

Tract :	ANGELENO HEIGHTS
Block :	31
Lot :	1
Arb :	NO
Modifier:	NO
Map Reference Number for Tract Recordation:	M R 10-63/66
Parcel ID Number; (PIN):	136-5A211 272

2. BASIC ZONING INFORMATION FOR PARCEL:

Alquist-Priolo Fault Zone:	NO
Council District:	1
Community Redevelopment Area:	NO
District Map:	136-5A211
Flood Hazard Zone:	NO
Hillside Grading Area:	YES
Hillside Ordinance Area:	YES
Planning Area & Community Name:	Silver Lake - Echo Park - Elysian Valley
Zone(s):	C2-1VL

3. GEOGRAPHICALLY ORIENTED" PARCEL INFORMATION:

Building and Safety Branch Office:	LA
Census Tract:	1977.00
Energy Zone:	9
Fire District:	2
Methane Hazard Site:	Methane Zone
Near Source Zone Distance:	.4

Parcel Area (sqft):	6379.1
Thomas Brothers Map Grid:	1) 634-F1 2) 634-F2

4. CITY DOCUMENTS ASSOCIATED WITH PARCEL:

Affidavit:	AFF-14785
City Planning Cases:	CPC-1995-357-CPU
Ordinance:	1) ORD-165167-SA5540 2) ORD-176825-SA17
Zoning Administrator's Case:	ZA-1997-277-CUZ
Zoning Information File:	1) ZI-2129 EAST LOS ANGELES STATE ENTERPRISE ZONE 2) ZI-2427 FWY Adj Advisory Notice for Sensitive Uses

5. OTHER PARCEL RELATED INFORMATION:

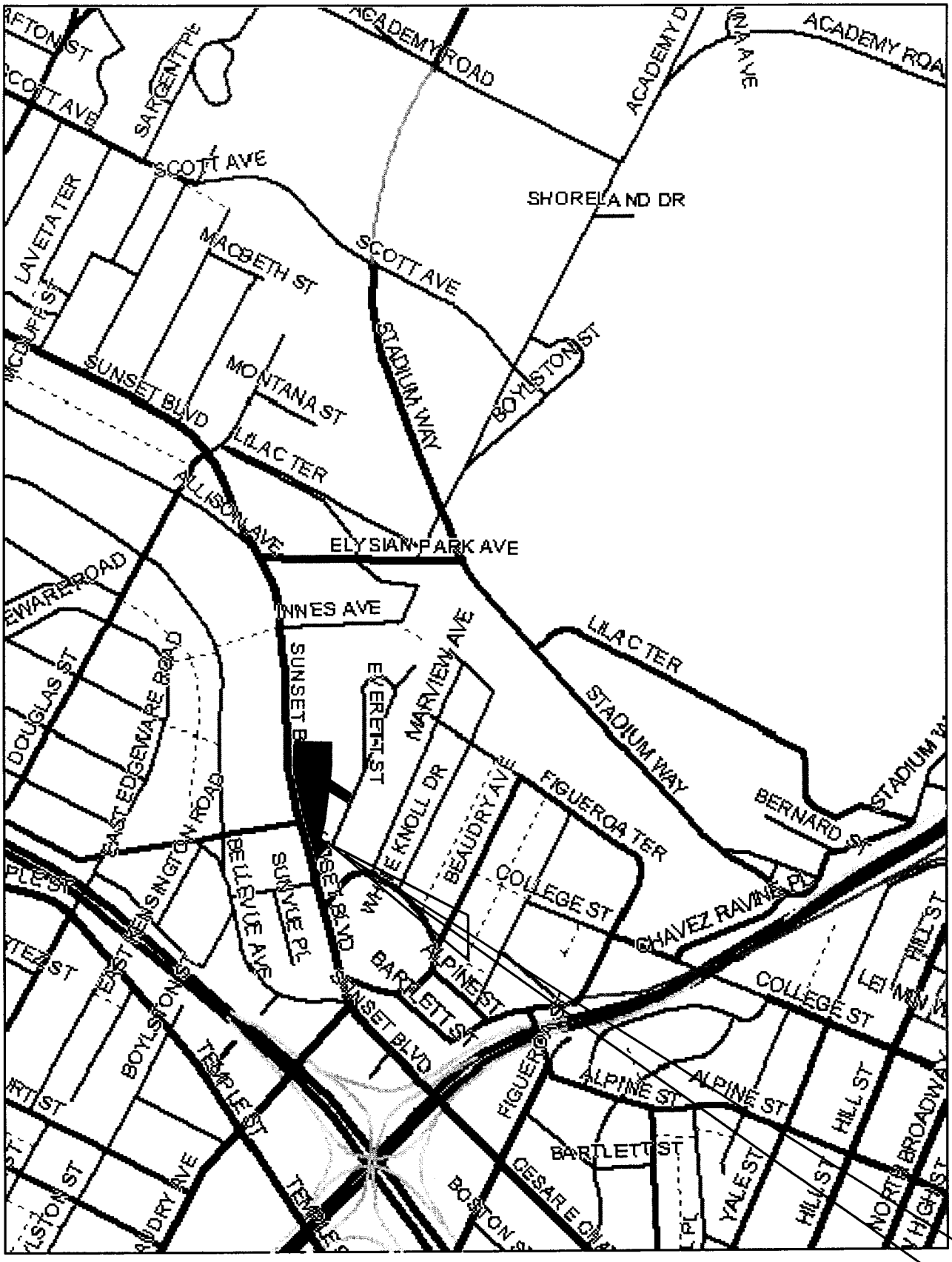
Seismic Gas Shut Off Valve Installed: NO

Parcel Profile Report Disclaimer

The purpose of this application is to allow easy access and visual display of city parcel legal and zoning information as a convenience to our customers. Every reasonable effort has been made to assure the accuracy of the data provided; nevertheless, some information may not be completely accurate and more importantly, it may need to be properly interpreted by city staff. The City of Los Angeles assumes no responsibility arising from the use of this information and it is provided without a warranty of any kind, either expressed or implied. We do not recommend basing important business, legal, or real estate transactions solely on this information without receiving validation and interpretation of the data from staff at your nearest LADBS branch office.

--- Parcel Profile Report Definitions ---

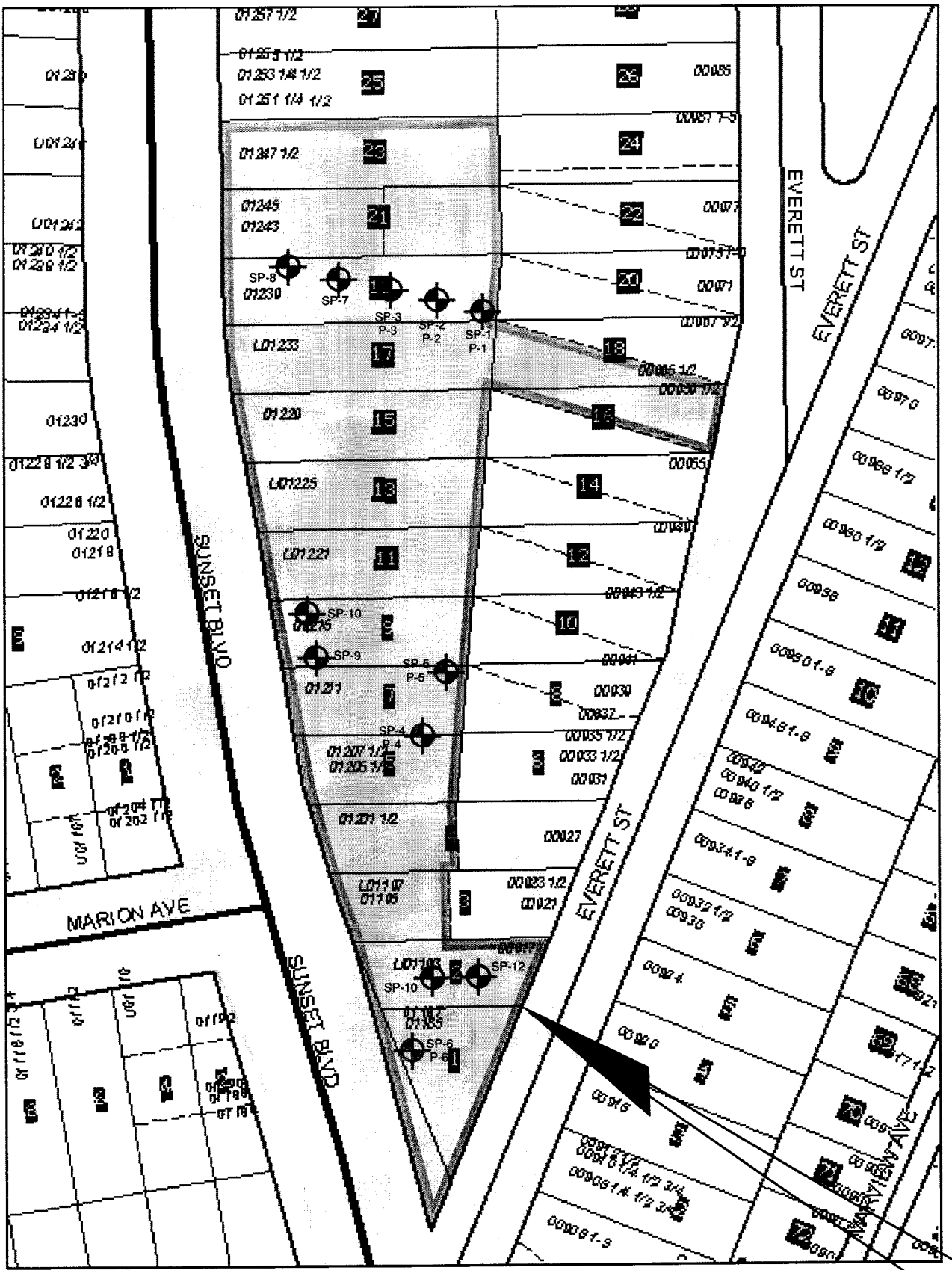
J2715: 1185-1245 W. Sunset Blvd., Los Angeles, CA - 90048



PROJECT LOCATIONS:

J2715: 1185-1245 W. Sunset Blvd., Los Angeles, CA - 90048

METHANE GAS TESTING PROBE LOCATIONS



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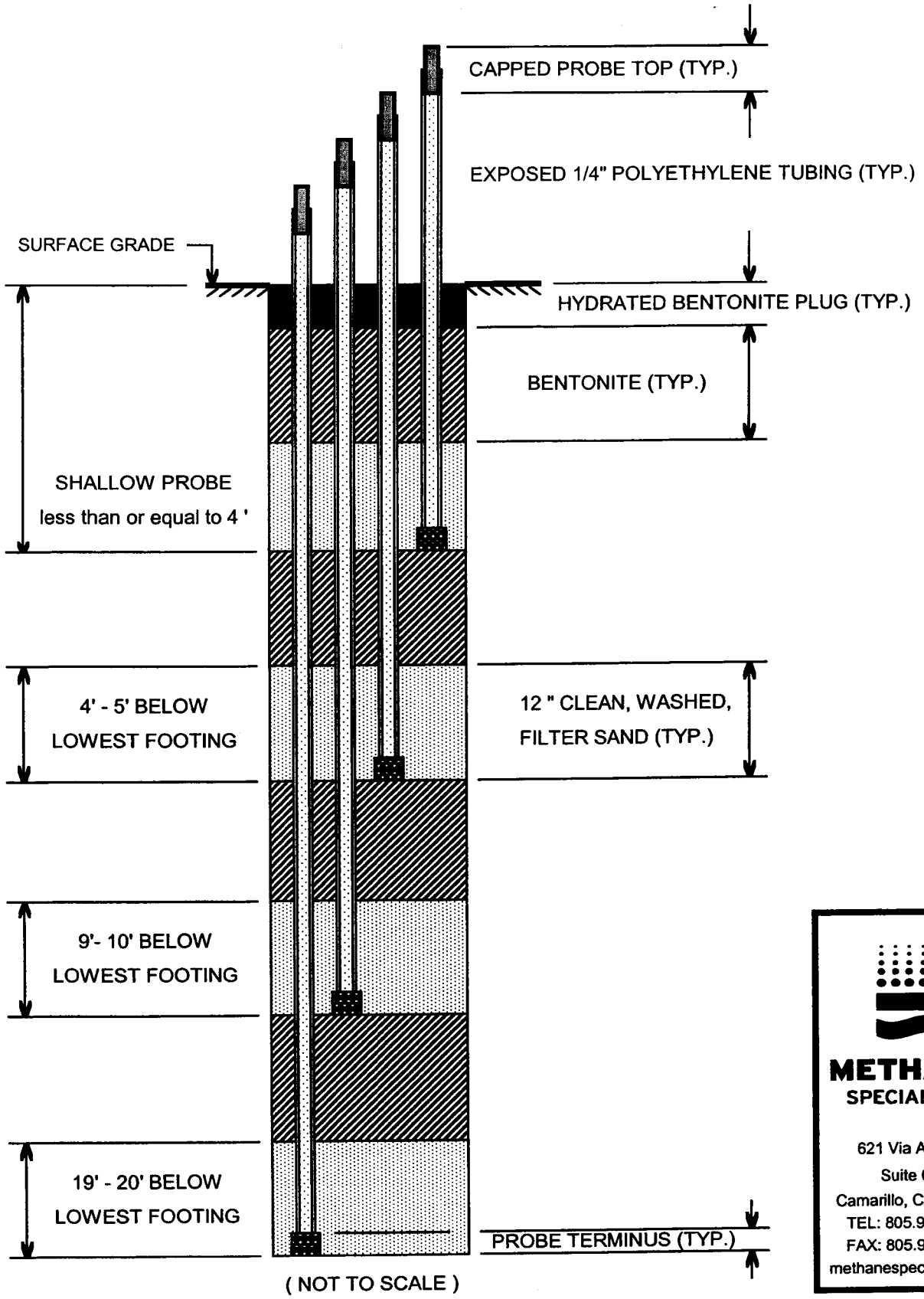

METHANE
SPECIALISTS

621 Via Alondra
Suite 610
Camarillo, CA - 93012
TEL: 805.987.5356
FAX: 805.987.3968
methanespecialists.com

TEMPORARY MULTI-STAGE GAS MONITORING PROBES FOR METHANE

FORM 1 (CONTINUED) - CERTIFICATE OF COMPLIANCE FOR METHANE TEST DATA P/BC 2002-101

Part 2: Test Data - Shallow Soil Gas Test and Gas Probe Test

Site Address: ***1185 - 1245 W. Sunset Blvd., Los Angeles, CA - 90048*** Job # ***2715***

Description of Gas Analysis Instrument(s):

Instrument Name and Model: ***RKI Eagle*** Instrument Accuracy: ***500*** ppm/v.

City of Los Angeles Testing License #: ***10202*** **Page *1* of *2***

Date	Time	Probe Set#	Stablized CH4 Concentration (ppmv)	Pressure (inches of water column)	Probe Depth (feet)	Descriptions / Comments : *- Refusal was **met** @ each deep probe (see below) - Groundwater was **not met** @ any probe*
03/01/2013	8:27	SP-1	< 500	< 0.1	4	
"	8:21	P-1	< 500	< 0.1	5	
"	8:14	P-1	< 500	< 0.1	10	14 ppm/v peak H2S reading & met refusal
"	8:56	SP-2	< 500	< 0.1	4	
"	8:45	P-2	< 500	< 0.1	5	30 ppm/v peak H2S reading
"	8:43	P-2	---	< 0.02	8	Low Flow & met refusal
"	9:37	SP-3	< 500	< 0.1	4	
"	9:31	P-3	< 500	< 0.1	5	12 ppm/v peak H2S reading
"	9:26	P-3	< 500	< 0.1	10	
"	9:21	P-3	< 500	< 0.1	16	50 ppm/v peak H2S reading & met refusal
"	12:49	SP-4	< 500	< 0.1	4	
"	12:42	P-4	< 500	< 0.1	5	
"	12:35	P-4	**500**	< 0.1	10	100 ppm/v peak H2S reading
"	12:34	P-4	---	< 0.03	16	Low Flow & met refusal
"	1:23	SP-5	< 500	< 0.1	4	
"	1:17	P-5	---	< 0.03	5	Low Flow
"	1:12	P-5	< 500	< 0.1	12	100 ppm/v peak H2S reading & met refusal
"	3:00	SP-6	< 500	< 0.1	4	
"	2:55	P-6	< 500	< 0.1	5	
"	2:50	P-6	---	< 0.03	16	Low Flow & met refusal
"	9:52	SP-7	< 500	< 0.1	4	
"	11:36	SP-8	**500**	< 0.1	4	100 ppm/v peak H2S reading
"	1:33	SP-9	**500**	< 0.1	4	30 ppm/v peak H2S reading
"	1:48	SP-10	< 500	< 0.1	4	10 ppm/v peak H2S reading
"	**2:15**	**SP-11**	**500**	**< 0.1**	**4**	**<= Maximum Stabilized CH4 Readings**
"	2:26	SP-12	< 500	< 0.1	4	

INSTRUMENTATION CALIBRATION RECORD: WATER ENCOUNTERED ? ~~(Y)~~ (N) DEPTH: ***(see above)***

DATE: *3/01/2012* TIME: *8:10 A.M.* INIT: *D. R.* REFUSAL ? (Y) (~~N~~) DEPTH: ***(see above)***

DATE: *3:04/2012* TIME: *9:10 A.M.* INIT: *D. R.* COMMENTS: *"< 500 ppmv" <=> "Non-Detect" <=> "ND"*

DATE: _____ TIME: _____ INIT: _____ *tester was Dan Rogers*

FORM 1 (CONTINUED) - CERTIFICATE OF COMPLIANCE FOR METHANE TEST DATA P/BC 2002-101

Part 2: Test Data - Shallow Soil Gas Test and Gas Probe Test

Site Address: ***1185 - 1245 W. Sunset Blvd., Los Angeles, CA - 90048*** Job # ***2715***

Description of Gas Analysis Instrument(s):

Instrument Name and Model: ***RKI Eagle*** Instrument Accuracy: ***500*** ppm/v.

City of Los Angeles Testing License #: ***10202*** **Page *2* of *2***

Date	Time	Probe Set#	Stablized CH4 Concentration (ppmv)	Pressure (inches of water column)	Probe Depth (feet)	Descriptions / Comments : - *Refusal was **met** @ each deep probe (see below)* - *Groundwater was **not met** @ any probe*
03/04/2013	8:27	SP-1	< 500	< 0.1	4	
''	8:21	P-1	< 500	< 0.1	5	
''	8:14	P-1	---	< 0.02	8	Low Flow
						& previously met refusal
''	8:56	SP-2	< 500	< 0.1	4	
''	8:45	P-2	< 500	< 0.1	5	500 ppm/v peak CH4 reading
''	8:43	P-2	---	< 0.02	8	Low Flow
						& previously met refusal
''	9:37	SP-3	< 500	< 0.1	4	
''	9:31	P-3	< 500	< 0.1	5	
''	9:26	P-3	< 500	< 0.1	10	
''	9:21	P-3	< 500	< 0.1	16	
						previously met refusal
''	12:49	SP-4	< 500	< 0.1	4	
''	12:42	P-4	< 500	< 0.1	5	
''	12:35	P-4	---	< 0.01	10	Low Flow
''	12:34	P-4	---	< 0.02	16	Low Flow
						& previously met refusal
''	1:23	SP-5	< 500	< 0.1	4	
''	1:17	P-5	< 500	< 0.1	5	
''	1:12	P-5	---	< 0.02	5	Low Flow
						& previously met refusal
''	3:00	SP-6	< 500	< 0.1	4	
''	2:55	P-6	**500**	< 0.1	5	
''	2:50	P-6	---	< 0.03	16	Low Flow
						& previously met refusal
''	9:52	SP-7	< 500	< 0.1	4	
''	11:36	SP-8	< 500	< 0.1	4	
''	1:33	SP-9	**500**	< 0.1	4	500 ppm/v peak H2S reading
''	1:48	SP-10	**500**	< 0.1	4	
''	2:15	SP-11	< 500	< 0.1	4	
''	2:26	SP-12	< 500	< 0.1	4	

INSTRUMENTATION CALIBRATION RECORD: WATER ENCOUNTERED ? ~~(Y)~~ (N) DEPTH: ***(see above)***

DATE: *3/01/2012* TIME: *8:10 A.M.* INIT: *D. R.* REFUSAL ? (Y) ~~(N)~~ DEPTH: ***(see above)***

DATE: *3:04/2012* TIME: *9:10 A.M.* INIT: *D. R.* COMMENTS: *"< 500 ppmv" <=> "Non-Detect" <=> "ND"*

DATE: TIME: INIT: *tester was Dan Rogers*

TABLE 1A - MITIGATION REQUIREMENTS FOR METHANE ZONE

SITE DESIGN LEVEL			LEVEL I		LEVEL II		LEVEL III		LEVEL IV		LEVEL V
DESIGN METHANE CONCENTRATION (ppmv)			0 - 100		101 - 1,000		1,001 - 5,000		5,001 - 12,500		>12,500
DESIGN METHANE PRESSURE (inches of water column)			≤2"	>2"	≤2"	>2"	≤2"	>2"	≤2"	>2"	ALL PRESSURES
PASSIVE SYSTEM	DE-WATERING SYSTEM *		x*	x*	x*	x*	x*	x*	x*	x*	x*
	SUB-SLAB VENT SYSTEM	PERFORATED HORIZONTAL PIPES	x	x	x	x	x	x	x	x	x
		GRAVEL BLANKET UNDER MEMBRANE	2"	2"	2"	3"	2"	3"	2"	4"	4"
		GRAVEL THICKNESS SURROUNDING PIPES	2"	2"	2"	3"	2"	3"	2"	4"	4"
		VENT RISERS	x	x	x	x	x	x	x	x	x
	IMPERVIOUS MEMBRANE		x	x	x	x	x	x	x	x	x
ACTIVE SYSTEM	SUB-SLAB VENT SYSTEM	PRESSURE SENSORS UNDER MEMBRANE								x	x
		MECHANICAL EXTRACTION SYSTEM								x	x
	LOWEST OCCUPIED SPACE SYSTEM	GAS DETECTION SYSTEM				x	x	x	x	x	x
		MECHANICAL VENTILATION SYSTEM		x		x	x	x	x	x	x
		ALARM SYSTEM		x		x	x	x	x	x	x
	CONTROL PANEL			x		x	x	x	x	x	x
MISC. SYSTEM	TRENCH DAM		x	x	x	x	x	x	x	x	x
	CONDUIT OR CABLE SEAL FITTINGS		x	x	x	x	x	x	x	x	x
	ADDITIONAL VENT RISERS										x

"X" => Required, as per the Methane Code of the City of Los Angeles.

* => De-Watering not required when the maximum historical high groundwater table elevation, or projected post-construction groundwater level, is more than twelve inches below the bottom of the perforated horizontal pipes.

FORM 1 - CERTIFICATE OF COMPLIANCE FOR METHANE TEST DATA P/BC 2002-101

Part 1: Certification Sheet

Site Address: ***1185 - 1245 W. Sunset Blvd., Los Angeles, CA - 90048*** Job No. ***2715***

Legal Description: Tract: ***ANGELINO HEIGHTS*** Lot: ***1 through 23*** Block: ***31***

Building Use: ***"New 200+ Unit Apartment Complex" over "two Subterranean Parking Levels"***

Name of Architect, Engineer, or Geologist: ***Kirby N. Arriola, P.E.***	Architect's, Engineer's or Geologist's Stamp
Mailing Address: ***Methane Specialists*** ***621 Via Alondra, # 610*** ***Camarillo, CA - 93012***	
Telephone: ***(805) 987-5356***	
Name of Testing Laboratory: ***Methane Specialists***	
City Test Lab License #: ***10202***	
Telephone: ***(805) 987-5356***	

I hereby certify that I have tested the above site for the purposes of methane mitigation and that all procedures were conducted by a City of Los Angeles licensed testing agency in conformity with the requirements of the LADBS Information Bulletin P/BC 2002-101. Where the inspection and testing of all or part of the work above is delegated, full responsibility shall be assumed by the architect, engineer or geologist whose signature is affixed hereon.

Signed: Kirby N. Arriola Date: 4 Mar 2013

Required Data:

* Project is in the (***Methane Zone***) or (~~Methane Buffer Zone~~).
* Depth of Groundwater observed during testing: ***> 1 '*** ***below*** the Impervious Membrane
* Depth of Historical High Ground Water Table Elevation*: ***> 1 '*** ***below*** the Impervious Membrane
* Design Methane Concentration**: ***500*** parts per million in volume (ppm/v).
* Design Methane Pressure Value***: ***< 0.1*** inches of water column.

Site Design Level: (~~Level I~~, ***Level II***, ~~Level III~~, ~~Level IV~~, ~~Level V~~) with ***< 2.0*** inches of water-column

Dewatering:

* Dewatering (~~is~~) (***is not***) required for methane mitigation per Section 91.7104.3.7. **(but still subject to Geotech Report)**
* Pump discharge rate **not provided** cubic feet per minute per reference geology or soil report:

_____ dated _____

Additional Investigation:

* Additional Investigation (~~was~~) (**was not**) conducted.

Latest Grading on Site:

* Date of last grading on site (**was**) (~~was not~~) more than 30 days before Site Testing.
* See Attached explanation of the effect on soil gas survey results by grading operations.

Notes:

* Historical High Ground Water Table Elevation shall mean the highest recorded elevation of ground water based on historical records and field investigations as determined by the engineer for the methane mitigation system.

** Design Methane Concentration shall mean the highest recorded measured methane concentration from either Shallow Soil Gas Test or any Probe Set on the site.

*** Design Methane Pressure shall mean the highest total pressure measured for any Gas Probe Set on the site.

NOISE TECHNICAL REPORT

Introduction

This technical report evaluates noise impacts from construction and operation of the Proposed Sunset & Everett Project at 1147-1187 West Sunset Boulevard and 917-927 North Everett Street in the City of Los Angeles. The analysis discusses applicable regulations and compares impacts to appropriate thresholds of significance. Noise measurements, worksheets, and a map of noise receptors and measurement locations are included in the Technical Appendix to this analysis.

Fundamentals of Noise

Characteristics of Sound

Sound can be described in terms of its loudness (amplitude) and frequency (pitch). The standard unit of measurement for sound is the decibel (dB). Because the human ear is not equally sensitive to sound at all frequencies, the A-weighted scale (dBA) is used to reflect the normal hearing sensitivity range. On this scale, the range of human hearing extends from 3 to 140 dBA. Table 1 provides examples of A-weighted noise levels from common sources.

Table 1
A-Weighted Decibel Scale

Typical A-Weighted Sound Levels	Sound Level (dBA L_{eq})
Near Jet Engine	130
Rock and Roll Band	110
Jet flyover at 1,000 feet	100
Power Motor	90
Food Blender	80
Living Room Music	70
Human Voice at 3 feet	60
Residential Air Conditioner at 50 feet	50
Bird Calls	40
Quiet Living Room	30
Average Whisper	20
Rustling Leaves	10
Source: Cowan, James P., Handbook of Environmental Acoustics, 1993. These noise levels are approximations intended for general reference and informational use.	

Noise Definitions. This noise analysis discusses sound levels in terms of equivalent noise level (L_{eq}), maximum noise level (L_{max}) and the Community Noise Equivalent Level (CNEL).

- Equivalent Noise Level (L_{eq}): L_{eq} represents the average noise level on an energy basis for a specific time period. Average noise level is based on the energy content (acoustic energy) of sound. For example, the L_{eq} for one hour is the energy average noise level during that hour. L_{eq} can be thought of as a continuous noise level of a certain period equivalent in energy content to a fluctuating noise level of that same period.

- Maximum Noise Level (L_{max}): L_{max} represents the maximum instantaneous noise level measured during a given time period.

- Community Noise Equivalent Level (CNEL): CNEL is an adjusted noise measurement scale of average sound level during a 24-hour period. Due to increased noise sensitivities during evening and night hours, human reaction to sound between 7:00 P.M. and 10:00 P.M. is as if it were actually 5 dBA higher than had it occurred between 7:00 A.M. and 7:00 P.M. From 10:00 P.M. to 7:00 A.M., humans perceive sound as if it were 10 dBA higher. To account for these sensitivities, CNEL figures are obtained by adding an additional 5 dBA to evening noise levels between 7:00 P.M. and 10:00 P.M. and 10 dBA to nighttime noise levels between 10:00 P.M. and 7:00 A.M. As such, 24-hour CNEL figures are always higher than their corresponding actual 24-hour averages.

Effects of Noise. The degree to which noise can impact an environment ranges from levels that interfere with speech and sleep to levels that can cause adverse health effects. Most human response to noise is subjective. Factors that influence individual responses include the intensity, frequency, and pattern of noise; the amount of background noise present; and the nature of work or human activity exposed to intruding noise. According to the National Institute of Health (NIH), extended or repeated exposure to sounds at or above 85 dB can cause hearing loss. Sounds of 70 dBA or less, even after continuous exposure, are unlikely to cause hearing loss.[1] The World Health Organization (WHO) reports that adults should not be exposed to sudden "impulse" noise events of 140 dB or greater. For children, this limit is 120 dB.[2]

Exposure to elevated nighttime noise levels can disrupt sleep, leading to increased levels of fatigue and decreased work or school performance. For the preservation of healthy sleeping environments, the WHO recommends that continuous interior noise levels not exceed 30 dBA and that individual noise events of 45 dBA or higher be avoided.[3] Assuming a conservative exterior to interior sound reduction of 15 dBA, continuous exterior noise levels should therefore not exceed 45 dBA. Individual exterior events of 60 dBA or higher should also be limited. Some epidemiological studies have shown a weak association between long-term exposure to noise levels of 65 to 70 dBA and cardiovascular effects, including ischemic heart disease and hypertension. However, at this time, the relationship is largely inconclusive.

People with normal hearing sensitivity can recognize small changes in sound levels of approximately 3 dBA. Changes of at least 5 dBA can be readily noticeable while sound level increases of 10 dBA or greater are perceived as a doubling in loudness.[4] However, during daytime, few people are highly annoyed by noise levels below 55 dBA L_{eq}.[5]

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1 National Institute of Health, National Institute on Deafness and Other Communication, www.nidcd.nih.gov/health/noise-induced-hearing-loss.

2 World Health Organization, Guidelines for Community Noise, 1999.

3 Ibid.

4 Federal Transit Administration, Transit Noise and Vibration Impact Assessment, 2018.

5 World Health Organization, Guidelines for Community Noise, 1999.

Noise Attenuation. Noise levels decrease as the distance from noise sources to receivers increases. For each doubling of distance, noise from stationary sources can decrease by about 6 dBA over hard surfaces (e.g., reflective surfaces such as parking lots) and 7.5 dBA over soft surfaces (e.g., absorptive surfaces such as soft dirt and grass). For example, if a point source produces a noise level of 89 dBA at a reference distance of 50 feet over an asphalt surface, its noise level would be approximately 83 dBA at a distance of 100 feet, 77 dBA at 200 feet, etc. Noises generated by mobile sources such as roadways decrease by about 3 dBA over hard surfaces and 4.5 dBA over soft surfaces for each doubling of distance. It should be noted that because decibels are logarithmic units, they cannot be added or subtracted. For example, two cars each producing 60 dBA of noise would not produce a combined 120 dBA.

Noise is most audible when traveling by direct line of sight, an unobstructed visual path between noise source and receptor. Barriers that break line of sight between sources and receivers, such as walls and buildings, can greatly reduce source noise levels by allowing noise to reach receivers by diffraction only. As a result, sound barriers can generally reduce noise levels by up to 15 dBA.[6] The effectiveness of barriers can be greatly reduced when they are not high or long enough to completely break line of sight from sources to receivers.

Regulatory Framework

Noise

Federal. No federal noise standards regulate environmental noise associated with short-term construction activities or long-term operations of development projects. As such, temporary and long-term noise impacts produced by the Project would be largely regulated or evaluated by State and City of Los Angeles standards designed to protect public well-being and health.

State. The State's 2017 General Plan Guidelines establish county and city standards for acceptable exterior noise levels based on land use. These standards are incorporated into land use planning processes to prevent or reduce noise and land use incompatibilities. Table 2 illustrates State compatibility considerations between land uses and exterior noise levels.

California Government Code Section 65302 also requires each county and city to prepare and adopt a comprehensive long-range general plan for its physical development. Section 65302(f) requires a noise element to be included in the general plan. This noise element must identify and appraise noise problems in the community, recognize Office of Noise Control guidelines, and analyze and quantify current and projected noise levels.

The State has also established noise insulation standards for new multi-family residential units, hotels, and motels that are subject to relatively high levels of noise from transportation. The noise insulation standards, collectively referred to as the California Noise Insulation Standards (Title 24, California Code of Regulations) set forth an interior standard of 45 dBA CNEL for habitable rooms. The standards require an acoustical analysis which indicates that dwelling units meet this interior standard where such units are proposed in areas subject to exterior noise levels greater than 60

6 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, September 2013.

dBA CNEL. Local jurisdictions typically enforce the California Noise Insulation Standards through the building permit application process.

Los Angeles County Airport Land Use Commission Comprehensive Land Use Plan. In Los Angeles County, the Regional Planning Commission has the responsibility for acting as the Airport Land Use Commission and for coordinating the airport planning of public agencies within the County. The Airport Land Use Commission coordinates planning for the areas surrounding public use airports. The Comprehensive Land Use Plan provides for the orderly expansion of Los Angeles County's public use airports and the areas surrounding them. It is intended to provide for the adoption of land use measures that will minimize the public's exposure to excessive noise and safety hazards. In formulating the Comprehensive Land Use Plan, the Los Angeles County Airport Land Use Commission has established provisions for safety, noise insulation, and the regulation of building height within areas adjacent to each of the public airports in the County.

City of Los Angeles General Plan Noise Element. The City of Los Angeles General Plan includes a Noise Element that includes policies and standards to guide the control of noise to protect residents, workers, and visitors. Its primary goal is to regulate long-term noise impacts to preserve acceptable noise environments for all types of land uses. It includes programs applicable to construction projects that call for protection of noise sensitive uses and use of best practices to minimize short-term noise impacts.[7] However, the Noise Element contains no quantitative or other thresholds of significance for evaluating a project's noise impacts. Instead, it adopts the State's guidance on noise and land use compatibility, shown in Table 2, "to help guide determination of appropriate land use and mitigation measures vis-à-vis existing or anticipated ambient noise levels." It also includes a policy and an objective that are relevant for the Proposed Project:

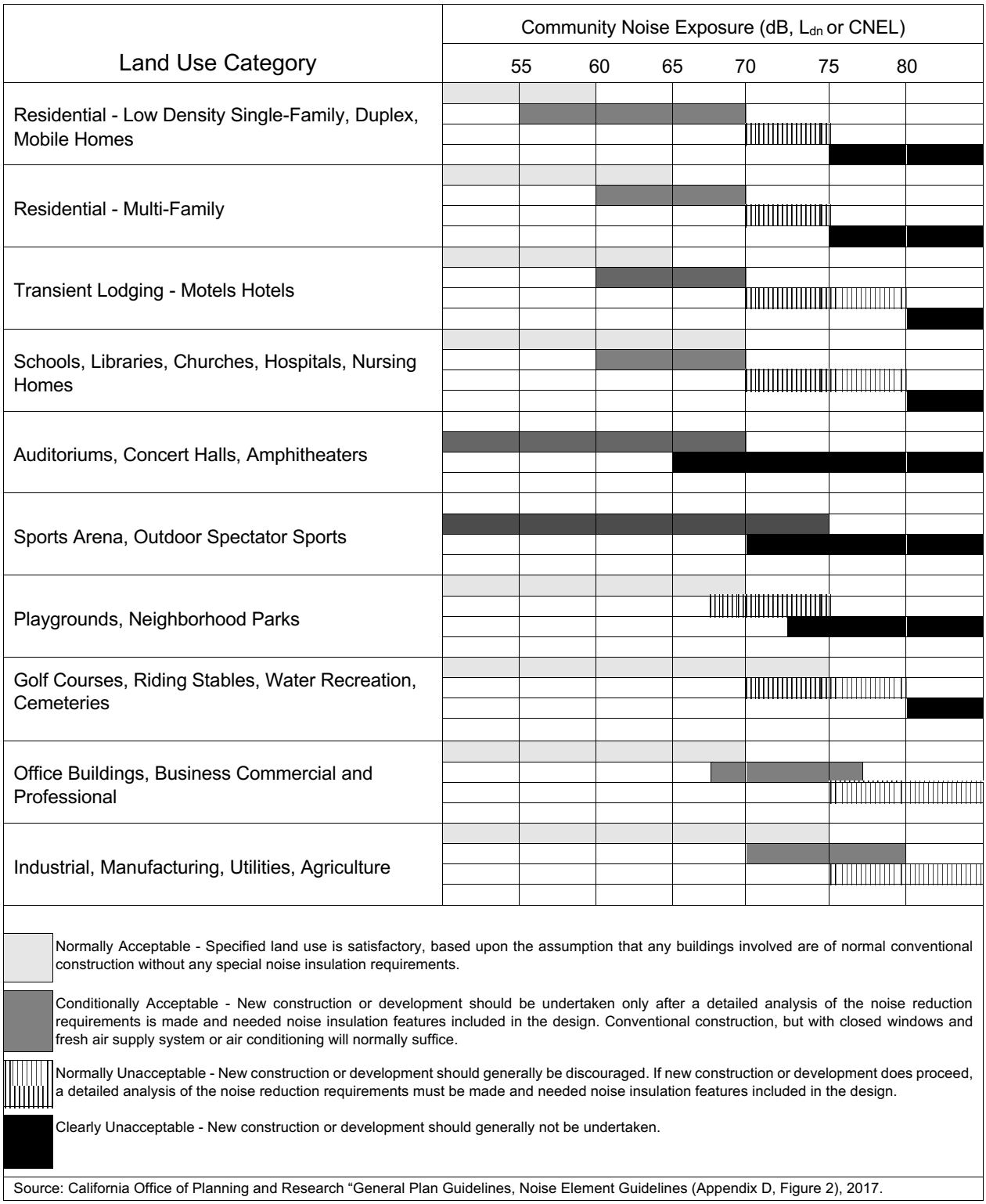
> **Policy 2.2:** Enforce and/or implement applicable city, state, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.
>
> **Objective 3** (Land Use Development): Reduce or eliminate noise impacts associated with proposed development of land and changes in land use.

There are also two programs that are applicable to development projects:

> **Program 11:** For a proposed development project that is deemed to have a potentially significant noise impact on noise sensitive uses, as defined by this chapter, require mitigation measures, as appropriate, in accordance with California Environmental Quality Act and city procedures.

Table 2
State of California Noise/Land Use Compatibility Matrix

[7] The L.A. CEQA Thresholds Guide defined noise sensitive uses as residences, transient lodgings, schools, libraries, churches, hospitals, nursing homes, auditoriums, concert halls, amphitheaters, playgrounds, and parks.



Source: California Office of Planning and Research "General Plan Guidelines, Noise Element Guidelines (Appendix D, Figure 2), 2017.

Program 12: When issuing discretionary permits for a proposed noise-sensitive use (as defined by this chapter) or a subdivision of four or more detached single-family units and which use is determined to be potentially significantly impacted by existing or proposed noise

sources, require mitigation measures, as appropriate, in accordance with procedures set forth in the California Environmental Quality Act so as to achieve an interior noise level of a CNEL of 45 dB, or less, in any habitable room, as required by Los Angeles Municipal Code Section 91.

City of Los Angeles Municipal Code. The City of Los Angeles Municipal Code (LAMC) contains regulations that would regulate noise from the Project's temporary construction activities. Section 41.40(a) would prohibit construction activities between 9:00 P.M. and 7:00 A.M., Monday through Friday. Subdivision (c) would further prohibit such activities from occurring before 8:00 A.M. or after 6:00 P.M. on any Saturday or national holiday, or at any time on any Sunday. These restrictions serve to limit specific Project construction activities to Monday through Friday 7:00 A.M. to 9:00 P.M., and 8:00 A.M. to 6:00 P.M. on Saturdays or national holidays.

> *SEC.41.40. NOISE DUE TO CONSTRUCTION, EXCAVATION WORK—WHEN PROHIBITED.*
>
> *(a) No person shall, between the hours of 9:00 P.M. and 7:00 A.M. of the following day, perform any construction or repair work of any kind upon, or any excavating for, any building or structure, where any of the foregoing entails the use of any power drive drill, riveting machine excavator or any other machine, tool, device or equipment which makes loud noises to the disturbance of persons occupying sleeping quarters in any dwelling, hotel or apartment or other place of residence. In addition, the operation, repair or servicing of construction equipment and the job-site delivering of construction materials in such areas shall be prohibited during the hours herein specified. Any person who knowingly and willfully violates the foregoing provision shall be deemed guilty of a misdemeanor punishable as elsewhere provided in this Code.*
>
> *(c) No person, other than an individual homeowner engaged in the repair or construction of his single-family dwelling shall perform any construction or repair work of any kind upon, or any earth grading for, any building or structure located on land developed with residential buildings under the provisions of Chapter I of this Code, or perform such work within 500 feet of land so occupied, before 8:00 A.M. or after 6:00 P.M. on any Saturday or national holiday nor at any time on any Sunday. In addition, the operation, repair, or servicing of construction equipment and the job-site delivering of construction materials in such areas shall be prohibited on Saturdays and on Sundays during the hours herein specific…*

Section 112.04 of the LAMC bans the use of gas-powered leaf blowers within 500 feet of a residence between 10:00 P.M. and 7:00 A.M. This also includes lawn mowers, lawn edgers, riding tractors, or other equipment that makes loud sounds.

Section 112.05 of the LAMC establishes noise limits for powered equipment and hand tools operated in a residential zone or within 500 feet of any residential zone. Of particular importance to construction activities is subdivision (a), which institutes a maximum noise limit of 75 dBA as measured at a distance of 50 feet from the activity for the types of construction vehicles and equipment that would likely be used in the construction of the Project. However, the LAMC notes

that these limitations would not necessarily apply if it can be proven that the Project's compliance would be technically infeasible despite the use of noise-reducing means or methods.

> *SEC. 112.05. MAXIMUM NOISE LEVEL OF POWERED EQUIPMENT OR POWERED HAND TOOLS*
>
> *Between the hours of 7:00 A.M. and 10:00 P.M., in any residential zone of the City or within 500 feet thereof, no person shall operate or cause to be operated any powered equipment or powered hand tool that produces a maximum noise level exceeding the following noise limits at a distance of 50 feet therefrom:*
>
> *(a) 75 dBA for construction, industrial, and agricultural machinery including crawler-tractors, dozers, rotary drills and augers, loaders, power shovels, cranes, derricks, motor graders, paving machines, off-highway trucks, ditchers, trenchers, compactors, scrapers, wagons, pavement breakers, compressors and pneumatic or other powered equipment;*
>
> *(b) 75 dBA for powered equipment of 20 HP or less intended for infrequent use in residential areas, including chain saws, log chippers and powered hand tools;*
>
> *(c) 65 dBA for powered equipment intended for repetitive use in residential areas, including lawn mowers, backpack blowers, small lawn and garden tools and riding tractors.*
>
> *Said noise limitations shall not apply where compliance therewith is technically infeasible. The burden of proving that compliance is technically infeasible shall be upon the person or persons charged with a violation of this section. Technical infeasibility shall mean that said noise limitations cannot be complied with despite the use of mufflers, shields, sound barriers and/or other noise reduction device or techniques during the operation of the equipment.*

In addition, the LAMC regulates long-term operations of land uses, including but not limited to the following regulations.

Section 111.02 discusses the measurement procedure and criteria regarding the sound level of "offending" noise sources. A noise source causing a 5 dBA increase over the existing average ambient noise levels of an adjacent property is considered to create a noise violation. However, Section 111.02(b) provides a 5 dBA allowance for noise sources lasting more than five but less than 15 minutes in any 1-hour period, and a 10 dBA allowance for noise sources causing noise lasting 5 minutes or less in any 1-hour period. In accordance with these regulations, a noise level increase from certain city-regulated noise sources of five dBA over the existing or presumed ambient noise level at an adjacent property is considered a violation.

Section 112.01 of the LAMC would prohibit any amplified noises, especially those from outdoor sources (e.g., outdoor speakers, stereo systems) from exceeding the ambient noise levels of adjacent properties by more than 5 dBA. Any amplified noises would also be prohibited from being audible at any distance greater than 150 feet from the Project's property line, as the Project is located within 500 feet of residential zones.

> *SEC.112.01. RADIOS, TELEVISION SETS, AND SIMILAR DEVICES*

(a) It shall be unlawful for any person within any zone of the City to use or operate any radio, musical instrument, phonograph, television receiver, or other machine or device for the producing, reproducing or amplification of the human voice, music, or any other sound, in such a manner, as to disturb the peace, quiet, and comfort of neighbor occupants or any reasonable person residing or working in the area.

(b) Any noise level caused by such use or operation which is audible to the human ear at a distance in excess of 150 feet from the property line of the noise source, within any residential zone of the City or within 500 feet thereof, shall be a violation of the provisions of this section.

(c) Any noise level caused by such use or operation which exceeds the ambient noise level on the premises of any other occupied property, or if a condominium, apartment house, duplex, or attached business, within any adjoining unit, by more than five (5) decibels shall be a violation of the provisions of this section.

Section 112.02 would prevent Project heating, ventilation, and air conditioning (HVAC) systems and other mechanical equipment from elevating ambient noise levels by more than 5 dBA.

SEC.112.02. AIR CONDITIONING, REFRIGERATION, HEATING, PLUMBING, FILTERING EQUIPMENT

(a) It shall be unlawful for any person, within any zone of the city, to operate any air conditioning, refrigeration or heating equipment for any residence or other structure or to operate any pumping, filtering or heating equipment for any pool or reservoir in such manner as to create any noise which would cause the noise level on the premises of any other occupied property … to exceed the ambient noise level by more than five decibels.

The LAMC also provides regulations regarding vehicle-related noise, including Sections 114.02, 114.03, and 114.06. Section 114.02 prohibits the operation of any motor driven vehicles upon any property within the City in a manner that would cause the noise level on the premises of any occupied residential property to exceed the ambient noise level by more than 5 dBA. Section 114.03 prohibits loading and unloading causing any impulsive sound, raucous or unnecessary noise within 200 feet of any residential building between the hours of 10:00 P.M. and 7:00 A.M. Section 114.06 requires vehicle theft alarm systems to be silenced within five minutes.

Existing Conditions

Noise Sensitive Receptors

The Project Site is located in a residential area within the Victor Heights neighborhood. Noise-sensitive receptors within 0.25 miles of the Project Site include, but are not limited to, the following representative sampling:

- Residences, Everett Street (west side); as close as five feet east of the Project Site.

- Residential structures[8], 1251-1255 Sunset Boulevard, five feet north of the Project Site.
- Residences, Everett Street (east side); 60 feet east of the Project Site.
- Residences, Sunset Boulevard (west side); as close as 100 feet west of the Project Site.
- Residences, 1190 Sunset Boulevard; 110 feet west of the Project Site.
- Residences, 1271 Sunset Boulevard; 200 feet north of the Project Site.
- Everett Park, 250 feet east of the Project Site.
- Preschool, 707 Kensington Road; about 500 feet west of the Project Site.

Existing Ambient Noise Levels

The Project Site is currently vacant of any structures. As such, there is no noise generated at the Project Site.

Traffic is the primary source of noise near the Project Site, largely from the operation of vehicles with internal combustion engines and frictional contact with the ground and air.[9] This includes traffic on Sunset Boulevard, which carries about 2,857 north- and southbound vehicles at Everett Street in the A.M. peak hour.[10]

In February 2023, DKA Planning took short-term noise measurements near the Project site to determine the ambient noise conditions of the neighborhood near sensitive receptors.[11] As shown in Table 3, noise levels along roadways near the Project Site ranged from 62.7 dBA L_{eq} on Everett St to 74.7 dBA L_{eq} on Sunset Boulevard, noise levels that are generally consistent with the traffic volumes on the applicable street(s). Figure 1 illustrates where ambient noise levels were measured near the Project Site to establish the noise environment and their relationship to the applicable sensitive receptor(s). 24-hour CNEL noise levels are generally considered "Conditionally Acceptable" and "Normally Unacceptable" for the types of land uses near the Project Site.

8 Note these structures are abandoned and have been since at least early 2021. However, for conservative analysis, we assume these could be sensitive receptors that could be re-occupied.

9 World Health Organization, https://www.who.int/docstore/peh/noise/Comnoise-2.pdf accessed March 18, 2021.

10 Transportation Assessment, Fehr & Peers, October 2023.

11 Noise measurements were taken using a Quest Technologies Sound Examiner SE-400 Meter. The Sound Examiner meter complies with the American National Standards Institute (ANSI) and International Electrotechnical Commission (IEC) for general environmental measurement instrumentation. The meter was equipped with an omni-directional microphone, calibrated before the day's measurements, and set at approximately five feet above the ground.

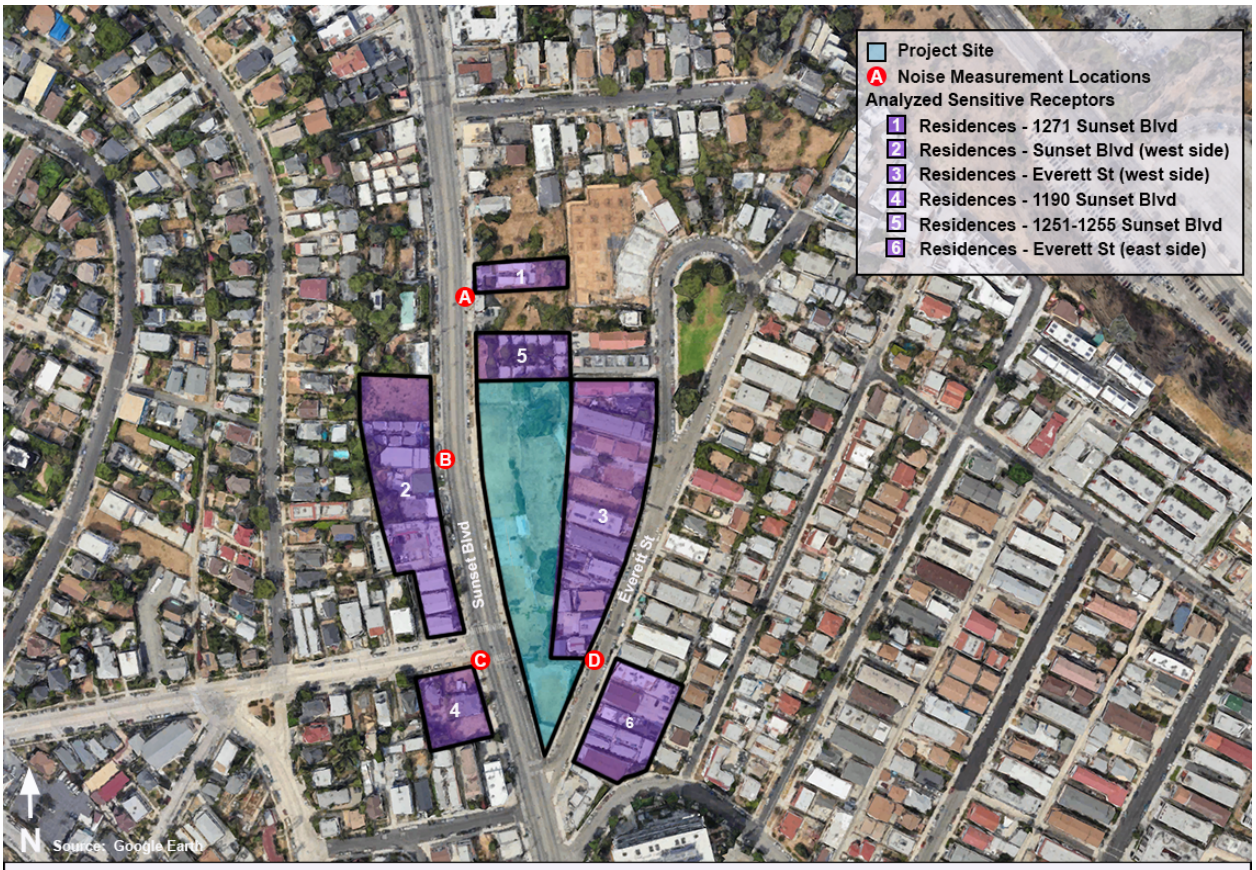


Table 3
Existing Noise Levels

Noise Measurement Locations	Primary Noise Source	Sound Levels		Nearest Sensitive Receptor(s)	Noise/Land Use Compatibility[b]
		dBA (L_{eq})	dBA (CNEL)[a]		
A. 1257 Sunset Bl.	Traffic on Sunset Bl.	71.4	69.4	1. Residences, 1271 Sunset Bl.; 5. Residences,1251-1255 Sunset Bl.	Conditionally Acceptable
B. 1235 Sunset Bl.	Traffic on Sunset Bl.	74.7	72.7	2. Residences, Sunset Bl. (west side)	Normally Unacceptable
C. 1190 Sunset Bl	Traffic on Sunset Bl.	72.5	70.5	4. Residences, 1190 Sunset Bl.	Normally Unacceptable
D. 941 Everett St.	Traffic on Sunset Bl.	62.7	60.7	3. Residences, Everett St. (west side); 6. Residences, Everett St. (east side)	Conditionally Acceptable

[a] Estimated based on short-term (15-minute) noise measurement using Federal Transit Administration procedures from 2018 Transit Noise and Vibration Impact Assessment Manual, Appendix E, Option 4.
[b] Pursuant to California Office of Planning and Research "General Plan Guidelines, Noise Element Guidelines, 2017. When noise measurements apply to two or more land use categories, the more noise-sensitive land use category is used. See Table 2 above for definition of compatibility designations.

Source: DKA Planning, 2023

Project Impacts

Methodology

On-Site Construction Activities. Construction noise levels at off-site sensitive receptors were modeled employing the ISO 9613-2 sound attenuation methodologies using the SoundPLAN Essential model (version 5.1). This software package considers reference equipment noise levels, noise management techniques, distance to receptors, and any attenuating features to predict noise levels from sources like construction equipment. Construction noise sources were modeled as area sources to reflect the mobile nature of construction equipment. These vehicles would not operate directly where the Project's property line abuts adjacent structures, as they would retain some setback to preserve maneuverability. This equipment would also occasionally operate at reduced power and intensity to maintain precision at these locations.

Off-Site Construction Noise Activities. The Project's off-site construction noise impact from haul trucks, vendor deliveries, worker commutes, and other vehicles accessing the Project Site was analyzed by considering the Project's anticipated vehicle trip generation with existing traffic and roadway noise levels along local roadways, particularly those likely to be part of any haul route. Because it takes a doubling of traffic volumes on a roadway to generate the increased sound energy it takes to elevate ambient noise levels by 3 dBA,[12] the analysis focused on whether truck and auto traffic would double traffic volumes on key roadways to be used for hauling soils to and/or from the Project Site during construction activities.[13] Because haul trucks generate more noise than traditional passenger vehicles, a 19.1 passenger car equivalency (PCE) was used to convert haul truck trips to a reference level conversion to an equivalent number of passenger vehicles.[14] For vendor deliveries, a 9.55 PCE was used to reflect a blend of medium- and heavy-duty vehicles. It should be noted that because an approved haul route may not be approved as of the preparation of this analysis, assumptions were made about logical routes that would minimize haul truck traffic on local streets in favor of major arterials that can access regional-serving freeways.

On-Site Operational Noise Activities. The Project's potential to result in significant noise impacts from on-site operational noise sources was evaluated by identifying sources of on-site noise sources and considering the impact that they could produce given the nature of the source (i.e., loudness and whether noise would be produced during daytime or more-sensitive nighttime hours), distances to nearby sensitive receptors, ambient noise levels near the Project Site, the presence of similar noise sources in the vicinity, and maximum noise levels permitted by the LAMC.

12 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, September 2018.

13 A tripling of traffic volumes (i.e., 3.15x) is needed to elevate traffic noise levels by 5 dBA.

14 Caltrans, Technical Noise Supplement Table 3-3, 2013.

Off-Site Operational Noise Activities. The Project's off-site noise impact from Project-related traffic was evaluated based its potential to increase traffic volumes on local roadways that serve the Project site. Because it takes a doubling of traffic volumes on a roadway to generate the increased sound energy it takes to elevate ambient noise levels by 3 dBA, the analysis focused on whether auto trips generated by the Proposed Project would double traffic volumes on key roadways that access the Project Site.

Thresholds of Significance

Construction Noise Thresholds. Based on guidelines from the City of Los Angeles City Department of Planning, the on-site construction noise impact would be considered significant if:

- Construction activities lasting more than one day would exceed existing ambient exterior sound levels by 10 dBA (hourly L_{eq}) or more at a noise-sensitive use;

- Construction activities lasting more than 10 days in a three-month period would exceed existing ambient exterior noise levels by 5 dBA (hourly L_{eq}) or more at a noise-sensitive use; or

- Construction activities of any duration would exceed the ambient noise level by 5 dBA (hourly L_{eq}) at a noise-sensitive use between the hours of 9:00 P.M. and 7:00 A.M. Monday through Friday, before 8:00 A.M. or after 6:00 P.M. on Saturday, or at any time on Sunday.

Operational Noise Thresholds. In addition to applicable City standards and guidelines that would regulate or otherwise moderate the Project's operational noise impacts, the following criteria are adopted to assess the impact of the Project's operational noise sources:

- Project operations would cause ambient noise levels at off-site locations to increase by 3 dBA CNEL or more to or within "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, as defined by the State's 2017 General Plan Guidelines.
- Project operations would cause any 5 dBA CNEL or greater noise increase.[15]

Analysis of Project Impacts

a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact.

[15] As a 3 dBA increase represents a slightly noticeable change in noise level, this threshold considers any increase in ambient noise levels to or within a land use's "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories to be significant so long as the noise level increase can be considered barely perceptible. In instances where the noise level increase would not necessarily result in "normally unacceptable" or "clearly unacceptable" noise/land use compatibility, a 5 dBA increase is still considered to be significant. Increases less than 3 dBA are unlikely to result in noticeably louder ambient noise conditions and would therefore be considered less than significant.

Construction

On-Site Construction Activities

Construction would generate noise during the construction process that would span 30 months of demolition, site preparation, grading, utilities trenching, building construction, and application of architectural coatings, as shown in Table 4. During all construction phases, noise-generating activities could occur at the Project Site between 7:00 A.M. and 9:00 P.M. Monday through Friday, in accordance with LAMC Section 41.40(a). On Saturdays, construction would be permitted to occur between 8:00 A.M. and 6:00 P.M.

Table 4
Construction Schedule Assumptions

Phase	Duration	Notes
Demolition	Month 1 (one week)	Removal of 6,000 square feet of asphalt/concrete surfaces and 1,344 square feet of billboards hauled 20 miles to landfill in 10-cubic yard capacity trucks.
Site Preparation	Month 1 (two weeks)	Removal of 16,000 square feet of trees/vegetation
Grading	Months 1-4	Approximately 40,000 cubic yards of soil (including 25 percent swell factor)[16] hauled 20 miles to landfill in 10-cubic yard capacity trucks.
Trenching	Month 5	Trenching for utilities, including gas, water, electricity, and telecommunications.
Building Construction	Months 6-29	Footings and foundation work, framing, welding; installing mechanical, electrical, and plumbing. Floor assembly, cabinetry and carpentry, elevator installations, low voltage systems, trash management.
Architectural Coatings	Months 28-30	Application of interior and exterior coatings and sealants.
Estimates provided by the Applicant, May 2023.		

Noise levels would generally peak during the demolition and grading phases, when diesel-fueled heavy-duty equipment like excavators and dozers are used to move large amounts of debris and dirt, respectively. This equipment is mobile in nature and does not always operate at in a steady-state mode full load, but rather powers up and down depending on the duty cycle needed to conduct work. As such, equipment is occasionally idle during which time no noise is generated.

During other phases of construction (e.g., site preparation, trenching, building construction, architectural coatings), noise impacts are generally lesser because they are less reliant on using heavy equipment with internal combustion engines. Smaller equipment such as forklifts, generators, and various powered hand tools and pneumatic equipment would often be utilized. Off-site secondary noises would be generated by construction worker vehicles, vendor deliveries,

16 Estimates provided by the Applicant, May 2023.

and haul trucks. Figure 2 illustrates construction noise levels during the demolition and grading phases.

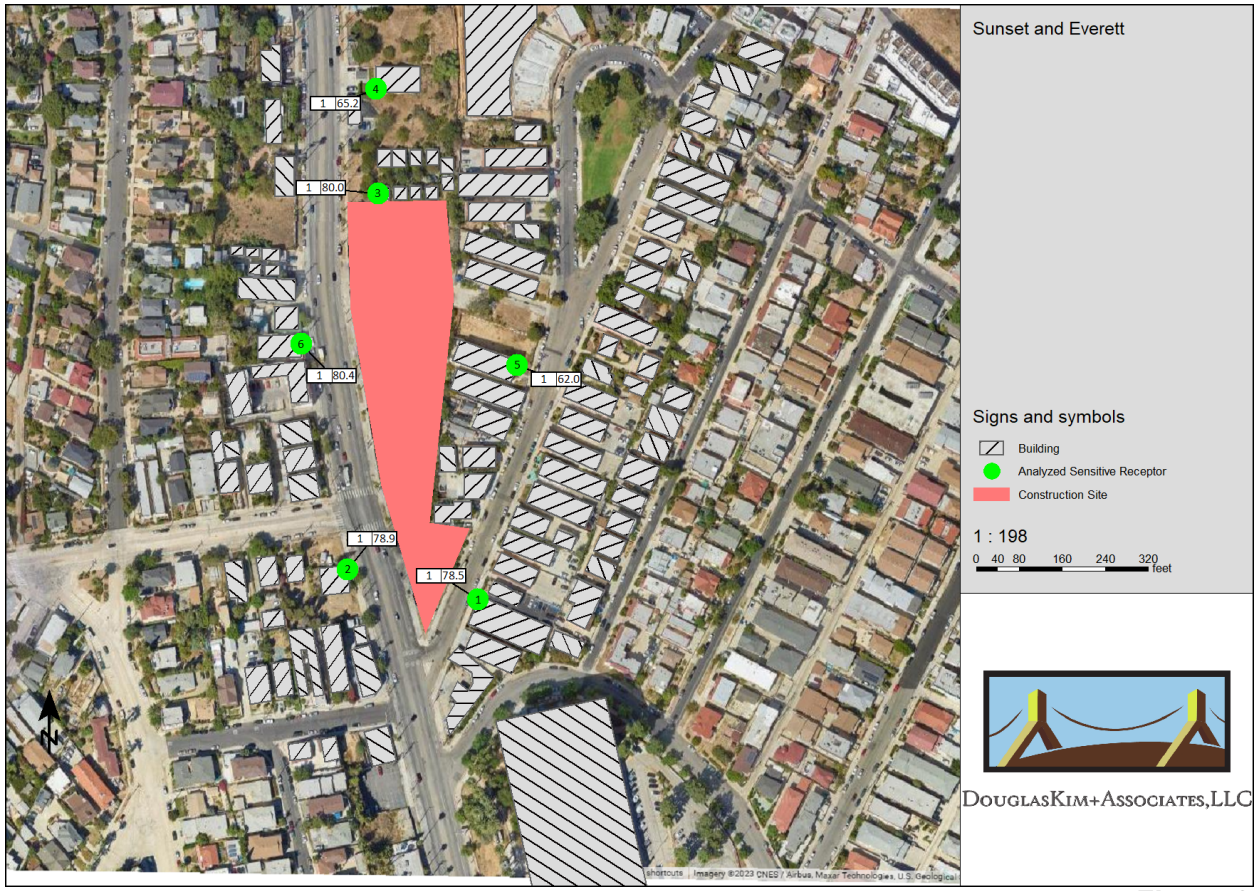


Figure 2
Construction Noise Impacts at Sensitive Receptors (Without Mitigation)

Because the Project's construction phase would occur for more than three months, the applicable City threshold of significance for the Project's construction noise impacts is an increase of 5 dBA over existing ambient noise levels. As shown in Table 5, when considering ambient noise levels, the use of multiple pieces of powered equipment simultaneously would increase ambient noise levels anywhere from 0.9 dBA L_{eq} to 15.9 dBA L_{eq} at the six analyzed sensitive receptors during the building construction phase, where approximately twenty pieces of equipment could concurrently operate. These construction noise levels would exceed the City's significance threshold of 5 dBA. Therefore, the Project's on-site construction noise impact would be significant and mitigable.

Table 5
Construction Noise Impacts at Off-Site Sensitive Receptors (Without Mitigation)

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant?

1. Residences, 1271 Sunset Bl.	65.2	71.4	72.3	0.9	No
2. Residences, Sunset Bl (west side)	80.4	74.7	81.4	6.7	Yes
3. Residences, Everett St. (west side)	62.0	62.7	65.4	2.7	No
4. Residences, 1190 Sunset Bl.	78.9	72.5	79.8	7.3	Yes
5. Residences, 1251-1255 Sunset Bl.	80.0	71.4	80.6	9.2	Yes
6. Residences, Everett St. (east side)	78.5	62.7	78.6	15.9	Yes
Source: DKA Planning, 2023.					

Off-Site Construction Activities

The Project would also generate noise at off-site locations from haul trucks moving debris and soil from the Project Site during demolition and grading activities, respectively; vendor trips; and worker commute trips during construction. These activities would generate up to an estimated 431 peak hourly PCE vehicle trips, as summarized in Table 6, during the building construction phase.[17] This would represent about 15.1 percent of traffic volumes on Sunset Boulevard, which carries about 2,857 north- and southbound vehicles at Everett Street in the A.M. peak hour.[18]

Because workers and vendors will likely use more than one route to travel to and from the Project Site, this conservative assessment of traffic volumes overstates the likely traffic volumes from construction activities at this intersection.

Sunset Boulevard would serve as part of the haul route for debris and soil exported from the Project Site given its access to the Harbor and Hollywood Freeways. Because the Project's construction-related trips would not cause a doubling in traffic volumes (i.e., 100 percent increase) on Sunset Boulevard, the Project's construction-related traffic would not increase existing noise levels by 3 dBA or more, which is less than the 5 dBA threshold of significance for off-site construction noise activities. Therefore, the Project's noise impacts from construction-related traffic would be less than significant.

Table 6
Construction Vehicle Trips (Maximum Hourly)

Construction Phase	Worker Trips [a]	Vendor Trips	Haul Trips	Total Trips	Percent of Peak A.M. Hour Trips on Sunset Blvd.[f]
Demolition	5	0	55[b]	60	2.1
Site Preparation	8	0	294[c]	302	10.6
Grading	20	0	291[d]	311	10.9

17 This is a conservative, worst-case scenario, as it assumes all workers travel to the worksite at the same time and that vendor and haul trips are made in the same early hour, using the same route as haul trucks to travel to and from the Project Site.

18 Transportation Assessment, Fehr & Peers, October 2023.

Trenching	8	0	0	8	0.3
Building Construction	284	147[e]	0	431	15.1
Architectural Coating	57	0	0	57	2.0

[a] Assumes all worker trips occur in the peak hour of construction activity.

[b] Assumes 1,344 square feet of billboard mixed debris at 10-feet of height = 498 CY divided by 10 CY haul truck capacity = 49.8 haul trucks x 2 = 100 one-way haul trips. Assumes 6,000 sq. ft. of asphalt/concrete at six inches of depth = 111 cubic yards divided by 10 CY haul truck capacity = 11.1 truck trips x 2 = 22 one-way haul trips. Thus, the project would generate 122 haul trips during demolition over a six-day period with seven-hour work days. Because haul trucks emit more noise than passenger vehicles, a 19.1 passenger car equivalency (PCE) was used to convert haul truck trips to a passenger car equivalent. 122 haul trips x 19.1 PCE factor = 2,230 PCEs divided bv 7 hours of hauling a day over 6 days = 55.5 hourly PCE trips.

[c] Assumes 16,028 square feet of vegetative debris at 10 feet of height = 5,936 cubic yards divided by 10 CY haul truck capacity = 594 haul trucks x 2 = 1,187 one-way haul trips during site preparation. 1,187 haul trips x 19.1 PCE factor = 22,672 PCEs divided bv 7 hours of hauling a day over eleven days = 194.4 hourly PCE trips.

[d] Assumes 40,000 CY of soil exported divided by 10 CY haul truck capacity = 4,000 haul trucks x 2 = 8,000 one-way haul trips during grading. 8,000 haul trips x 19.1 PCE factor = 152,800 PCEs divided bv 7 hours of hauling a day over 75 days = 194.4 hourly PCE trips = 291 hourly PCE trips.

[e] This phase would generate 53.7 vendor truck trips daily during construction over a seven-hour work day (53.7 x 2 trips) x 9.55 PCE) / 7 hours.

[f] Percent of existing traffic volumes on Sunset Boulevard at Everett Street, which carries about 2,857 north- and southbound vehicles in the A.M. peak hour. Transportation Assessment, Fehr & Peers, October 2023.

Source: DKA Planning, 2023

Mitigation Measures

MM-NOI-1. Construction staging shall be located as far from sensitive receptors as possible.

MM-NOI-2. Temporary sound barriers capable of attenuating construction noise (e.g., construction sound barrier with sound blankets) and blocking the line-of-sight between the adjacent sensitive receptors shall be installed. Such barriers shall be capable of reducing sound pressure by at least 2.4 dBA L_{eq} at 1190 Sunset Boulevard; 4.3 dBA L_{eq} at 1251-1255 Sunset Boulevard; 1.8 dBA L_{eq} at off-site receptors to the west across Sunset Boulevard; and 11.0 dBA L_{eq} at off-site receptors at 906-924 Everett Street.

MM-NOI-3. All powered construction equipment shall be equipped with advanced exhaust mufflers or other noise reduction devices.

Implementation of Mitigation Measures MM-NOI-1 through MM-NOI-3 would substantially reduce noise exposure at all off-site sensitive receptors below a 5 dBA L_{eq} increase in ambient noise levels (Table 7).

Table 7
Construction Noise Impacts at Off-Site Sensitive Receptors (With Mitigation)

Receptor	Maximum Construction	Existing Ambient	New Ambient	Increase	Potentially Significant?

	Noise Level (dBA L_{eq})	Noise Level (dBA L_{eq})	Noise Level (dBA L_{eq})	(dBA L_{eq})	
1. Residences, 1271 Sunset Bl.	65.2	71.4	72.3	0.9	No
2. Residences, Sunset Bl (west side)	77.9	74.7	79.6	4.9	No
3. Residences, Everett St. (west side)	62.0	62.7	65.4	2.7	No
4. Residences, 1190 Sunset Bl.	75.7	72.5	77.4	4.9	No
5. Residences, 1251-1255 Sunset Bl.	74.6	71.4	76.3	4.9	No
6. Residences, Everett St. (east side)	65.9	62.7	67.6	4.9	No
Source: DKA Planning, 2023.					

Operation

On-Site Operational Noise

During long-term operations, the Project would produce noise from on-site sources such as mechanical equipment associated with the structures themselves or from activity in outdoor spaces.

Mechanical Equipment

The Project would operate mechanical equipment on each building, 91 feet above grade for Building A and 86 feet for Building B that would generate incremental long-term noise impacts. This analysis assumes the use of typical HVAC equipment heat pumps for each multi-family residence (e.g., 2.5-ton Carrier 24ABC630A003 Carrier 25HBC5), with each unit distributed across the roof as needed to serve each residence. Noise from heat pumps and air conditioners is a function of the model, airflow, and pressure flow generated by fans and compressors. Most modern heat pumps are relatively quiet. While each unit would have a sound power of up to 76 dBA, the location on the roof would help shield the noise path to nearby sensitive receptors. As blocking the line of sight to a noise source generally results in a 5-decibel reduction, each rooftop unit would generate about 50.3 dBA at ten feet of distance.[19] Compliance with LAMC Section 112.02 would further limit the impact of HVAC equipment on noise levels at adjacent properties.

As summarized in Table 8, the operational noise impact of mechanical equipment, when combined with traffic noise from vehicles accessing the Project Site and outdoor noise sources (e.g., roof decks, pool) would not substantially elevate ambient CNEL noise levels.

Table 8
Operational Noise Impacts at Off-Site Sensitive Receptors

[19] Washington State Department of Transportation, Noise Walls and Barriers. https://wsdot.wa.gov/construction-planning/protecting-environment/noise-walls-barriers. Assumes the Carrier's rated sound power of 76 dB.

Receptor	Existing Noise Level (dBA CNEL)	Composite Noise Impact* (dBA CNEL)	New Ambient Noise Level (dBA CNEL)	Threshold of Significance (dBA CNEL)	Significant?
1. Residences, 1271 Sunset Bl.	69.4	44.9	69.4	74.4	No
2. Residences, Sunset Bl (west side)	72.7	51.1	72.7	75.7	No
3. Residences, Everett St. (west side)	60.7	42.5	60.8	65.7	No
4. Residences, 1190 Sunset Bl.	70.5	51.1	70.5	73.5	No
5. Residences, 1251-1255 Sunset Bl.	69.4	44.9	69.4	72.4	No
6. Residences, Everett St. (east side)	60.7	59.2	63.0	63.7	No
* Includes Project traffic near the Project Site, mechanical equipment, and outdoor noise sources. See Technical Appendix for inventory of sources. Source: DKA Planning, 2023.					

Pad-mounted oil transformers that lower high voltage to standard household voltage used to power electronics, appliances and lighting would be located on the ground level in an unobstructed location fronting Sunset Boulevard at the western portion of the Project Site. These transformers are housed in a steel cabinet and generally do not involve pumps, though fans may be needed on some units. Switchgear responsible for distributing power through the development could be located externally, though no mechanical processes that generate noise would be necessary.

Otherwise, all other mechanical equipment would be fully enclosed within the structure. This can include mechanical, electrical, and plumbing rooms, a utility fan room, as well as elevator equipment (including hydraulic pump, switches, and controllers) in the subterranean basement. Vaults that house pool and spa equipment and pumps would be located in the three subterranean parking levels. All these activities would generally occur within the envelope of the development, operational noise would be shielded from off-site noise-sensitive receptors.

Auto-Related Activities

The majority of vehicle-related noise impacts at the Project Site would come from vehicles entering and exiting the residential development from three driveways off Sunset Boulevard. During the peak P.M. hour, 137 vehicles would generate noise in and out of the garage, with up to 152 vehicles using the garage in the peak A.M. hour.[20]

Nearby residences across Sunset Boulevard would have a direct line of sight to vehicle traveling on Sunset and accessing the Project's driveways, 100 feet or more away. The relative low number

20 Transportation Assessment, Fehr & Peers, October 2023.

of vehicles accessing the development combined with the distance to sensitive receptors and ambient noise from traffic volumes would limit any elevation of ambient noise levels to less than 0.1 dBA CNEL, well below the 5 dBA threshold of significance for operational sources of noise. As summarized in Table 8, the operational noise impact of traffic noise from vehicles accessing the Project Site, when combined with rooftop mechanical equipment and outdoor noise sources (e.g., roof decks, pool) would not substantially elevate ambient CNEL noise levels.

Parking garage noise would include tire friction as vehicles navigate to and from parking spaces, doors slamming, car alarms, and minor engine acceleration. Most of these sources are instantaneous (e.g., car alarm chirp, door slam) while others may last a few seconds. Parking garage-related noise impacts would be negligible given their location in an enclosed garage would limit any line of sight from the garage. As such, the Project's parking garage activities would not have a significant impact on the surrounding noise environment.

Outdoor Uses

While most operations would be conducted inside the development, outdoor activities could generate noise that could impact local sensitive receptors. This would include human conversation, recreation, trash collection, landscape maintenance, and commercial loading. These are discussed below:

- Human conversation. While noise associated with everyday residential activities would largely occur internally within the development, there could include passive activities where human conversation, socializing, and passive recreation in outdoor spaces could occur, including:

    - Ground floor plaza. A 2,100 square-foot outdoor plaza would be located at the corner of Everett Street and Sunset Boulevard outside a retail space in Building B. This would be a shared use space for outdoor dining, socializing, or passive recreation (e.g., reading), with intermittent use largely during day or evening hours.

    - Second floor interior courtyard. This would be a shared use space for socializing or passive recreation (e.g., reading, walking), with intermittent use largely during day or evening hours. No powered speakers are proposed that would amplify either speech or music.

    - Private balconies on all floors on the north, east, and south elevations. These would be private spaces for residents used for socializing or passive recreation (e.g., reading), with intermittent use largely during day or evening hours. Some of these would be recessed into the building façade, reducing the sound path on three sides, while other open balconies would shield noise on one side. No powered speakers are proposed that would amplify either speech or music.

    - Roof decks on Building B. A 1,065 square-foot deck on the western end of Building B's roof facing Sunset Boulevard and a 750 square-foot deck on the eastern end of the Building B at the corner of Sunset Boulevard and Everette Street are proposed.

These use spaces for socializing, passive recreation (e.g., reading), with intermittent use largely during day or evening hours would be located about 78 feet above grade.

- Roof deck on Building A. A 3,010 square-foot deck centered on the southern edge of Building A's roof facing Sunset Boulevard is proposed, approximately 73 feet above grade. This would be a shared use space for socializing, passive recreation (e.g., reading), with intermittent use largely during day or evening hours.

The primary use of these spaces would be for human conversation, which would produce negligible noise impacts, based on the Lombard effect. This phenomenon recognizes that voice noise levels in face-to-face conversations generally increase proportionally to background ambient noise levels. Specifically, vocal intensity increases about 0.38 dB for every 1.0 dB increase in noise levels above 55 dB.[21] For example, the sound of a human voice at 60 dB would produce a noise level of 39 dB at ten feet, which would not elevate ambient noise levels at any of the analyzed sensitive receptors by more than 0.2 dBA L_{eq}. Moreover, noise levels from human speech would attenuate rapidly with greater distance, resulting in a 33 dB noise level at twenty feet, and 27 dB at 40 feet. Further, the infrequent nature of outdoor use of these spaces and any acoustic noise (e.g., speech) makes it impossible to individually or collectively elevate 24-hour noise levels by 5 dBA CNEL or more at any nearby noise-sensitive receptors.

- Recreation. A 45,000-gallon open air pool and spa are proposed along the northern portion of the Project Site between Buildings A and B. Socializing and swimming would occur during day, evening, and occasionally during night hours.
- Trash collection. On-site trash and recyclable materials for the residents would be managed from the waste collection area within the parking garage for each building that represents street level for the sloped site. Dumpsters would be moved to the street manually or with container handler trucks that use hydraulic-powered lifts that use beeping alerts during operation. Haul trucks would access solid waste from Sunset Boulevard, where solid waste activities would include use of trash compactors and hydraulics associated with the refuse trucks themselves. Noise levels of approximately 71 dBA L_{eq} and 66 dBA L_{eq} could be generated by collection trucks and trash compactors, respectively, at 50 feet of distance.[22] Because CNEL levels represent the energy average of sound levels during a 24-hour period, the modest sound power from a few minutes of trash collection activities during daytime hours would negligibly affect CNEL sound levels.
- Landscape maintenance. Noise from gas-powered leaf blowers, lawnmowers, and other landscape equipment can generated substantial bursts of noise during regular maintenance. For example, two gas powered leaf blowers with two-stroke engines and a hose vacuum can generate an average of 85.5 dBA L_{eq} and cause nuisance or potential noise impacts for nearby receptors.[23] The landscape plan focuses on a modest palette of accent trees and raised planters on the ground floor and upper floors where common space (i.e., outdoor patios, roof

21 Acoustical Society of America, Volume 134; Evidence that the Lombard effect is frequency-specific in humans, Stowe and Golob, July 2013.

22 RK Engineering Group, Inc. Wal-Mart/Sam's Club reference noise level, 2003.

23 Erica Walker et al, Harvard School of Public Health; Characteristics of Lawn and Garden Equipment Sound; 2017. These equipment generated a range of 74.0-88.5 dBA Leq at 50 feet.

decks) that will minimize the need for powered landscaping equipment, as some of this can be managed by hand. Because CNEL levels represent the energy average of sound levels during a 24-hour period, the modest sound power from a few minutes of maintenance activities during daytime hours would negligibly affect CNEL sound levels.

- Commercial loading. On-site loading and unloading activities would be managed within the enclosed parking garages of each building, where they would be obscured from off-site sensitive receptors. As a result, there would be negligible noise impacts on off-site receptors and impacts would not increase CNEL noise levels at off-site locations. Further, LAMC Section 114.03 would regulate loading and unloading activities between 10:00 P.M. and 7:00 A.M.

As summarized in Table 8, the operational noise impact of traffic noise from vehicles accessing the Project Site, operation of rooftop mechanical equipment, outdoor noise sources (e.g., roof decks, pool) would not substantially elevate ambient CNEL noise levels. As such, the Project would not result in an exposure of persons to or a generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. The Project would also not increase surrounding noise levels by more than 5 dBA CNEL where ambient noise levels are "Conditionally Acceptable" and not more than 3 dBA CNEL where noise levels are currently considered "Normally Unacceptable." As a result, the Project's on-site operational noise impacts would be considered less than significant.

Off-Site Operational Noise

The majority of the Project's operational noise impacts would be off-site from vehicles traveling to and from the development. The Project would add up to 1,850 vehicle trips to the local roadway network on a peak weekday at the start of operations in 2027, including 152 and 137 vehicles entering and exiting the development during the peak A.M. and P.M. hours, respectively.[24] This would represent 4.7 and 4.4 percent of the 3,250 and 3,122 vehicles currently using Sunset Boulevard at Beaudry Avenue in the A.M. and P.M. peak hours, respectively.[25]

Because it takes a doubling of traffic volumes (i.e., 100 percent) to increase ambient noise levels by 3 dBA L_{eq}, the Project's traffic would neither increase ambient noise levels 3 dBA or more into "normally unacceptable" or "clearly unacceptable" noise/land use compatibility categories, nor increase ambient noise levels 5 dBA or more. Twenty-four hour CNEL impacts would similarly be minimal, far below criterion for significant operational noise impacts, which begin at 3 dBA. As such, this impact would be considered less than significant.

Consistency with City General Plan Noise Element

While the City's Noise Element focuses on a number of measures for Citywide implementation by municipal government, there are some objectives, policies, and programs that are applicable to development projects. Table 9 summarizes the Proposed Project's consistency with these.

24 Transportation Assessment, Fehr & Peers, October 2023.

25 Transportation Assessment, Fehr & Peers, October 2023.

Table 9
Project Consistency with City of Los Angeles General Plan Noise Element

Objective/Policy/Program	Project Consistency
Policy 2.2: Enforce and/or implement applicable city, state, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.	**Consistent.** The Project would comply with City, state, and other applicable noise regulations to ensure that noise impacts are considered less than significant.
Objective 3 (Land Use Development): Reduce or eliminate noise impacts associated with proposed development of land and changes in land use.	**Consistent.** The project is being evaluated under CEQA and would result in less-than-significant impacts on noise.
Program 11. For a proposed development project that is deemed to have a potentially significant noise impact on noise sensitive uses, as defined by this chapter, require mitigation measures, as appropriate, in accordance with California Environmental Quality Act and city procedures.	**Consistent.** The Project would not have a significant noise impact on noise-sensitive uses and as such, would not require mitigation under CEQA.
Program 12. When issuing discretionary permits for a proposed noise-sensitive use (as defined by this chapter) or a subdivision of four or more detached single-family units and which use is determined to be potentially significantly impacted by existing or proposed noise sources, require mitigation measures, as appropriate, in accordance with procedures set forth in the California Environmental Quality Act so as to achieve an interior noise level of a CNEL of 45 dB, or less, in any habitable room, as required by Los Angeles Municipal Code Section 91.	**Consistent.** The noise-sensitive project is being evaluated under CEQA and would before being entitled would comply with Building Code and Title 24 noise insulation requirements to achieve an interior noise level of 45 dB.
Source: DKA Planning, 2023.	

b. For a project located within the vicinity of a private airstrip or an airport land use plan, or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less Than Significant Impact.

The Project Site is located about 11.6 miles east of the Santa Monica Airport and 10.2 miles southeast of Hollywood Burbank Airport. Because the Proposed Project would not be located within the vicinity of a private airstrip or within two miles of a public airport, the Project would not expose local workers or residents in the area to excessive noise levels. This would be considered a less than significant impact.

Cumulative Impacts

Construction

On-Site Construction Noise

During construction of the proposed Project, there could be other construction activity in the area that contributes to cumulative noise impacts at sensitive receptors. Construction-related noise levels from any related project would be intermittent and temporary. As with the Project, any related projects would comply with the LAMC's restrictions, including restrictions on construction hours and noise from powered equipment. Noise associated with cumulative construction activities would be reduced to the degree reasonably and technically feasible through proposed mitigation measures for each individual related project and compliance with the noise ordinance.

Noise from construction of development projects is localized and can affect noise-sensitive uses within 500 feet, based on the City's screening criteria. As such, noise from two construction sites within 1,000 feet of each other can contribute to cumulative noise impacts for receptors located between. There are nine potential related projects identified by the City of Los Angeles within 0.5 miles of the Proposed Project, as illustrated in Figure 3.[26]

[26] City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023. Internal team research added Related Project No. 9.

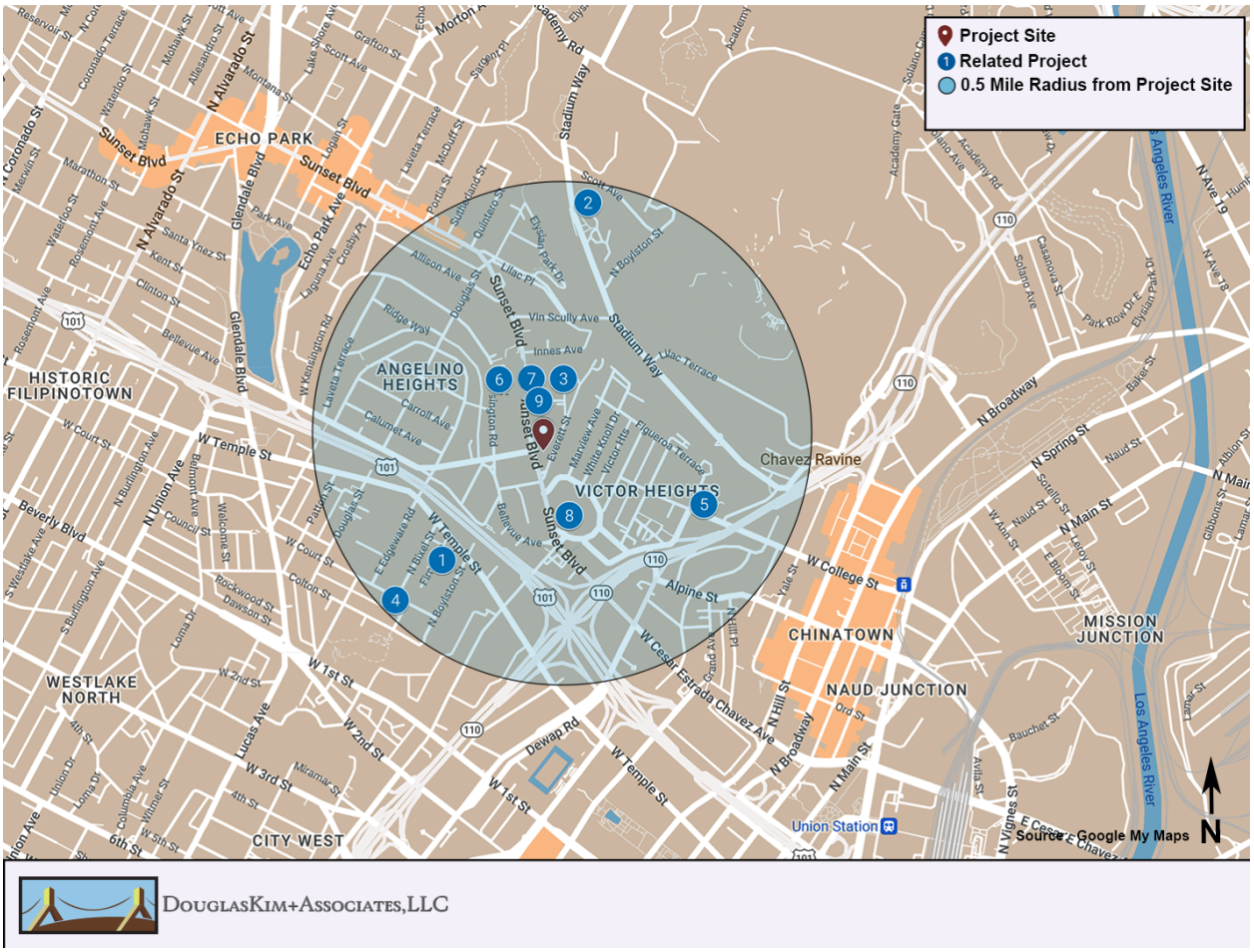


Figure 3
Location of Related Projects

As illustrated in Table 10, two of the nine related projects are completed (Nos. 1 and 4) and one (No. 3) is under construction and would be completed and operational by the time the Project breaks ground in 2025.

Therefore, four Related Projects (Nos. 6, 7, 8, 9) have the potential for overlapping construction with the Project and contributing to cumulative air quality impacts. The impact of cumulative development on short-term construction and long-term operations noise is discussed below.

Table 10
Related Projects Within 0.5 Miles of Project Site

#	Address	Distance from Project Site	Use	Size	Status
1	418 Firmin Street	1,450 feet southwest	Apartments	64 units	Completed in 2022.
2	2000 Stadium Way	2,050 feet north	Medical	80,545 sf	To be constructed.
3	1013 Everett Street	150 feet north	Apartments	49 units	Framed as of 2023.
4	1246 Court Street	2,225 feet southwest	Apartments	54 units	Completed in 2021.

Table 10
Related Projects Within 0.5 Miles of Project Site

5	765 College Street	1,775 feet east	Medical	100,000 sf 62 beds	To be constructed.
6	1274 Sunset Blvd	240 feet northwest	Hotel Restaurant	8 rooms 1,470 sf	To be constructed.
7	1275 Sunset Blvd	260 feet north	Apartments	77 units	To be constructed.
8	1111 Sunset Blvd	275 feet south	Apartment Hotel Office Commercial	737 units 180 rooms 48,000 sf 95,000	To be constructed.
9	1251 Sunset Blvd	5 feet north	Apartment	74 units	To be constructed.

Source: Related Projects List, Related Projects Summary from Case Logging and Tracking System Los Angeles Department of Transportation, February 3, 2023.
#9: DIR-2018-6634-TOC-A1

As illustrated in Table 11, the cumulative noise impacts at the analyzed sensitive receptors would be considered significant, as they would exceed 5.0 dBA L_{eq} at three of the five analyzed sensitive receptor (note that the sixth sensitive receptor in this technical report at 1251 Sunset Boulevard is a related project construction site that would remove the existing receptor). The noise contours from these related project(s) are illustrated in Figure 4. Based on this, there would be a significant but mitigable cumulative noise impact at nearby sensitive uses located near the Project Site in the event of concurrent construction activities.

Table 11
Cumulative Construction Noise Impacts at Off-Site Sensitive Receptors (Without Mitigation)

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant?
1. Residences, 1271 Sunset Bl.	65.8	71.4	72.5	1.1	No
2. Residences, Sunset Bl (west side)	80.4	74.7	81.4	6.7	Yes
3. Residences, Everett St. (west side)	58.9	62.7	64.2	1.5	No
4. Residences, 1190 Sunset Bl.	79.0	72.5	79.9	7.4	Yes
5. Residences, Everett St. (east side)	78.5	62.7	78.6	15.9	Yes

Source: DKA Planning, 2023.

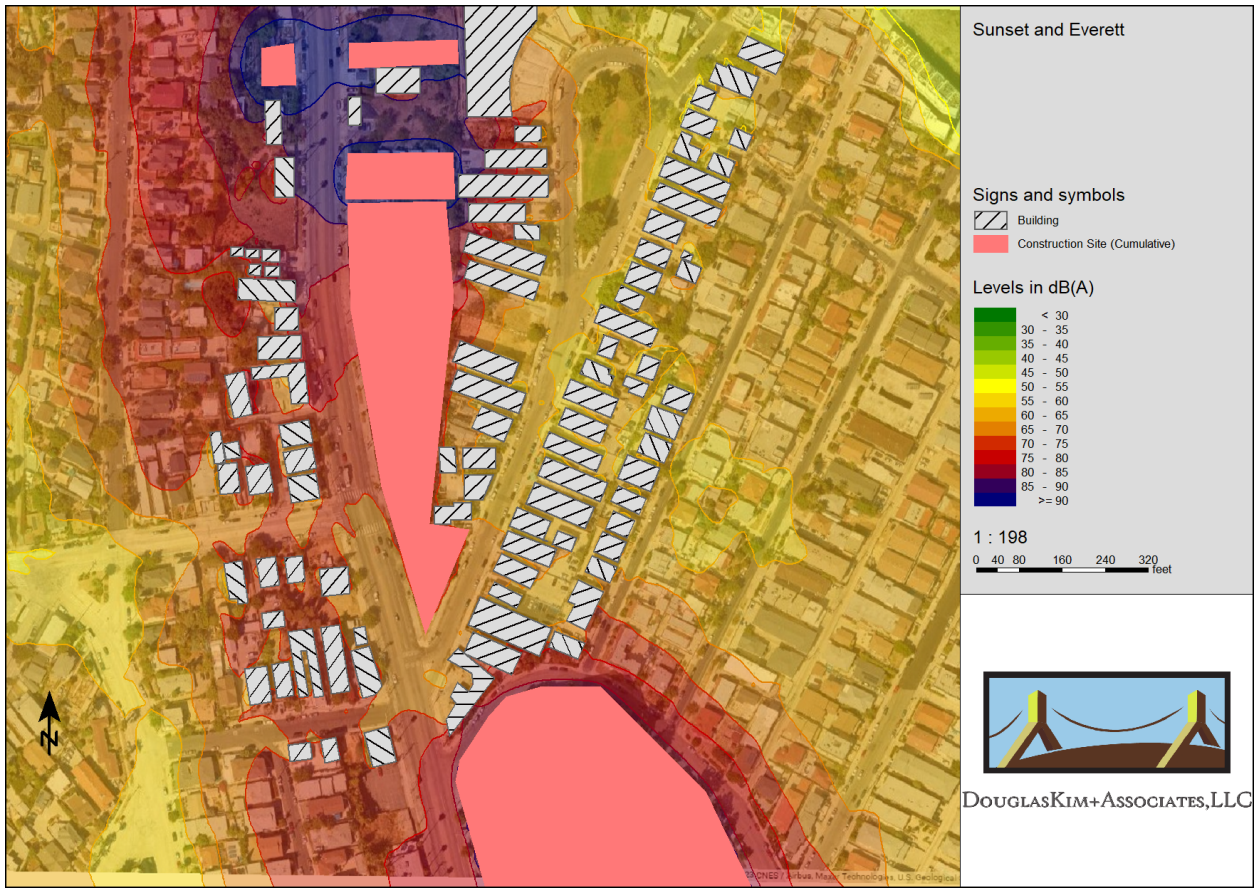


Figure 4
Construction Noise Contours from Cumulative Development

However, with implementation of Mitigation Measures MM-NOI-1 through MM-NOI-3 for the Proposed Project, cumulative noise impacts at the sensitive receptors analyzed in this report would drop substantially. As illustrated in Table 12, cumulative impacts would be lower than 5.0 dBA L_{eq} threshold of significance at all receptors. As a result, the Proposed Project's impact on cumulative construction noise levels is not considered significant.

Table 12
Cumulative Construction Noise Impacts at Off-Site Sensitive Receptors (With Mitigation)

Receptor	Maximum Construction Noise Level (dBA L_{eq})	Existing Ambient Noise Level (dBA L_{eq})	New Ambient Noise Level (dBA L_{eq})	Increase (dBA L_{eq})	Potentially Significant?
1. Residences, 1271 Sunset Bl.	64.7	71.4	72.2	0.8	No
2. Residences, Sunset Bl (west side)	74.2	74.7	77.5	2.8	No
3. Residences, Everett St. (west side)	54.1	62.7	63.3	0.6	No
4. Residences, 1190 Sunset Bl.	71.5	72.5	75.0	2.5	No

5. Residences, Everett St. (east side)	65.6	62.7	67.4	4.7	No
Source: DKA Planning, 2023.					

Off-Site Construction Noise

Other concurrent construction activities from related projects can contribute to cumulative off-site impacts if haul trucks, vendor trucks, or worker trips for any related project(s) were to utilize the same roadways. Distributing trips to and from each related project construction site substantially reduces the potential that cumulative development could more than double traffic volumes on existing streets, which would be necessary to increase ambient noise levels by 3 dBA. The Proposed Project would contribute about 431 peak hourly PCE vehicle trips during the grading phase.[27] This would represent about 15.1 percent of traffic volumes on Sunset Boulevard, which carries about 2,857 north- and southbound vehicles at Everett Street in the A.M. peak hour.[28] Any related projects would have to add 2,426 peak hour vehicle trips to double volumes on Sunset Boulevard.

The four related projects within 1,000 feet of the Project Site would not be capable of generating this much truck traffic:

1. Related Project No. 6, 1274 Sunset Boulevard. This eight-room hotel with 1,470 square feet of restaurant space would be much smaller in scale than the Proposed Project and would likely not add more than 100 peak hour PCEs to Sunset Boulevard.

2. Related Project No. 7, 1275 Sunset Boulevard. This 77-unit apartment development would be smaller in scale than the Proposed Project and would likely not add more than 200 peak hour PCEs to Sunset Boulevard.

3. Related Project No. 8, 1111 Sunset Boulevard. This mixed-use development with 737 apartment units; 180 hotel rooms; 48,000 square feet of office and 95,000 square feet of commercial development would be larger in scale than the Proposed Project. As such, it may add more than 900 peak hour PCEs to Sunset Boulevard.

4. Related Project No. 9, 1251 Sunset Boulevard. This 70-unit apartment development would be smaller in scale than the Proposed Project and would likely not add more than 200 peak hour PCEs to Sunset Boulevard.

These four related projects would likely generate fewer than 1,500 PCEs during any peak hour of traffic, far fewer than the number needed to significantly elevate traffic noise by 5 dBA. As such, cumulative noise due to construction truck traffic from the Project and related projects do not have the potential to double traffic volumes on any roadway necessary to elevate traffic noise levels by 3 dBA, let alone the 5 dBA threshold of significance for traffic impacts. As such, cumulative noise impacts from off-site construction would be less than significant.

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27 This is a conservative, worst-case scenario, as it assumes all workers travel to the worksite at the same time and that vendor and haul trips are made in the same early hour, using the same route as haul trucks to travel to and from the Project Site.

28 Transportation Assessment, Fehr & Peers, October 2023.

Operation

The Project Site and Victor Heights neighborhood has been developed with residential and commercial land uses that have previously generated, and will continue to generate, noise from a number of operational noise sources, including mechanical equipment (e.g., HVAC systems), outdoor activity areas, and vehicle travel. The four related projects in the vicinity of the Project Site are residential or mixed-use in nature and would also generate stationary-source and mobile-source noise due to ongoing day-to-day operations. These types of uses generally do not involve use of noisy heavy-duty equipment such as compressors, diesel-fueled equipment, or other sources typically associated with excessive noise generation.

On-Site Stationary Noise Sources

Noise from on-site mechanical equipment (e.g., HVAC units) and any other human activities from related projects would not be typically associated with excessive noise generation that could result in increases of 5 dBA or more in ambient noise levels at sensitive receptors when combined with operational noise from the Proposed Project. The presence of intervening multi-story buildings along Sunset Boulevard and the residential neighborhoods that flank it will generally shield noise impacts from one or more projects that may generate operational noise. Therefore, cumulative stationary source noise impacts associated with operation of the Project and related projects would be less than significant.

Off-Site Mobile Noise Sources

The Project would add up to 1,850 vehicle trips to the local roadway network on a peak weekday at the start of operations in 2027, including up to 152 vehicle trips in the A.M. peak hour. Related projects would have to generate 2,488 vehicle trips onto Sunset Boulevard in the peak A.M. hour to elevate noise by 3 dBA. Instead, the four nearby related projects would generate about 611 A.M. peak hour trips (Table 13).

Table 13
Related Project Trip Generation

Related Project	Address	A.M. Peak Hour	P.M. Peak Hour
6	1274 Sunset Bl.[1]	24	29
7	1275 Sunset Bl.[1]	27	30
8	1111 Sunset Bl.[1]	531	668
9	1251 Sunset Bl.[2]	29	34
TOTAL		611	761

[1] Transportation Assessment, Fehr & Peers, October 2023.
[2] 1251 Sunset Boulevard Technical Memorandum, Jano Baghdanian & Associates, August 2018.

When combined with the Proposed Project, these five developments would add 763 A.M. peak hour trips, a 26.7 percent increase in volume to traffic on Sunset Boulevard at Everett Street in the A.M. peak hour, assuming all vehicle trips use this roadway segment. As this would not

increase traffic volumes by 100 percent, cumulative noise impacts due to off-site traffic would not increase ambient noise levels by 3 dBA, let alone by the 5 dBA threshold of significance. Additionally, the Project would not result in an exposure of persons to or a generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

Therefore, cumulative noise impacts due to off-site traffic would not increase ambient noise levels by 3 dBA to or within their respective “Normally Unacceptable” or “Clearly Unacceptable” noise categories, or by 5 dBA or greater overall. Additionally, the Project would not result in an exposure of persons to or a generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

TECHNICAL APPENDIX

DouglasKim+Associates,LLC

AMBIENT NOISE MEASUREMENTS

DouglasKim+Associates,LLC

Figure 1
Noise Measurement Locations

Session Report

2/4/2023

Information Panel

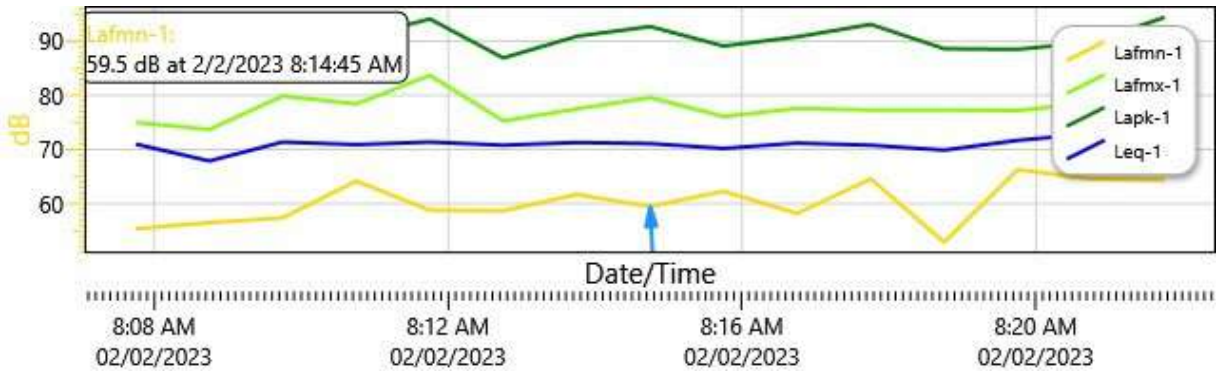
Name	1257 Sunset Boulevard
Comments	
Start Time	2/2/2023 8:06:45 AM
Stop Time	2/2/2023 8:21:52 AM
Run Time	00:15:07
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	71.4 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Bandwidth	1	OFF

Logged Data Chart

1257 Sunset Boulevard: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1
2/2/2023 8:07:45 AM	87.5	55.4	75	71
8:08:45 AM	88.5	56.5	73.7	67.9
8:09:45 AM	91.5	57.4	79.9	71.4
8:10:45 AM	90.6	64.2	78.4	70.9
8:11:45 AM	94.1	58.8	83.7	71.4
8:12:45 AM	86.9	58.7	75.3	70.8
8:13:45 AM	90.9	61.7	77.5	71.3
8:14:45 AM	92.7	59.5	79.6	71.1
8:15:45 AM	89.1	62.3	76.1	70.2
8:16:45 AM	90.8	58.2	77.6	71.2
8:17:45 AM	93.1	64.6	77.3	70.8
8:18:45 AM	88.6	52.9	77.3	69.9
8:19:45 AM	88.5	66.3	77.2	71.7
8:20:45 AM	89.8	64.6	78.6	72.9
8:21:45 AM	94.4	64.4	83.2	74.9

Session Report

2/4/2023

Information Panel

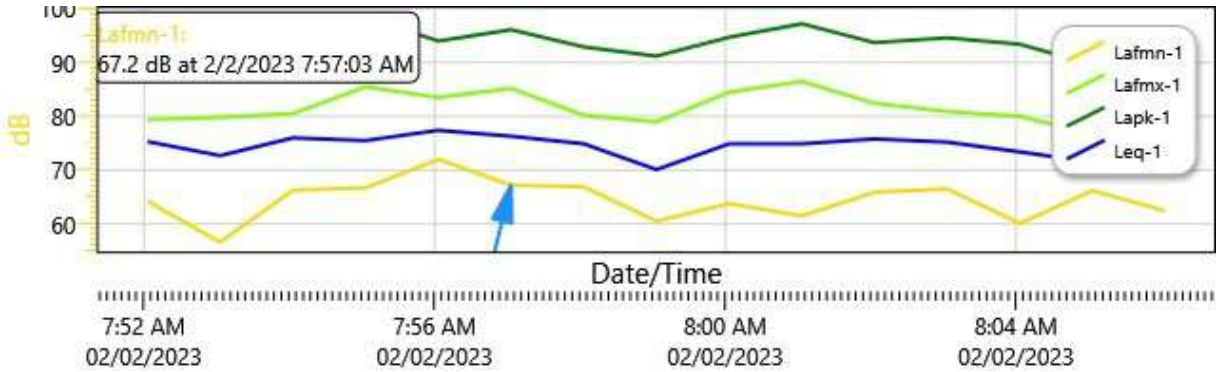
Name	1236 Sunset Boulevard
Comments	
Start Time	2/2/2023 7:51:03 AM
Stop Time	2/2/2023 8:06:09 AM
Run Time	00:15:06
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	74.7 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Bandwidth	1	OFF

Logged Data Chart

1236 Sunset Boulevard: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1
2/2/2023 7:52:03 AM	96.3	64.2	79.4	75.3
7:53:03 AM	94.2	56.6	79.8	72.7
7:54:03 AM	94.1	66.3	80.5	76
7:55:03 AM	98.4	66.7	85.5	75.5
7:56:03 AM	94	72	83.5	77.4
7:57:03 AM	96.1	67.2	85.2	76.3
7:58:03 AM	92.9	66.9	80.2	74.9
7:59:03 AM	91.2	60.5	79	70.1
8:00:03 AM	94.7	63.8	84.5	74.9
8:01:03 AM	97.2	61.5	86.5	74.9
8:02:03 AM	93.7	65.9	82.4	75.8
8:03:03 AM	94.6	66.5	80.9	75.2
8:04:03 AM	93.4	60.1	80	73.4
8:05:03 AM	89.6	66.2	76.7	71.5
8:06:03 AM	88.2	62.4	76.5	70.2

Session Report

2/4/2023

Information Panel

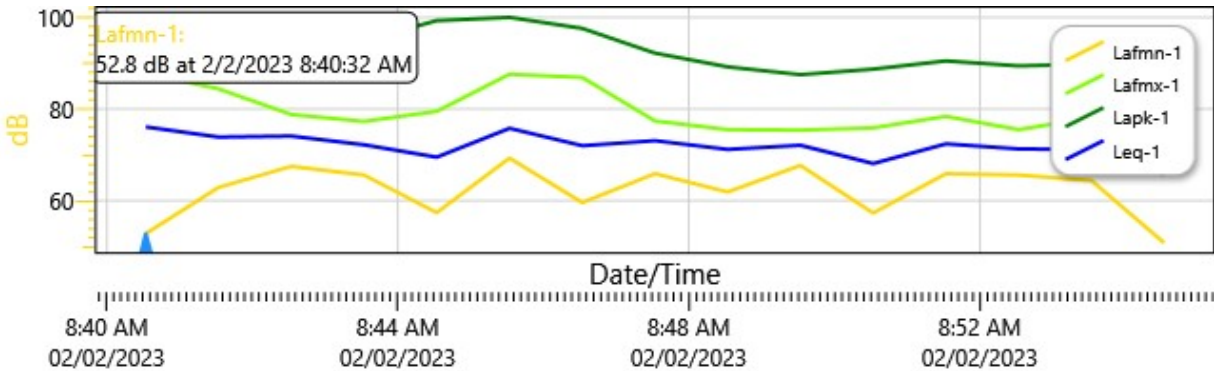
Name	1190 Sunset Boulevard
Comments	
Start Time	2/2/2023 8:39:32 AM
Stop Time	2/2/2023 8:54:36 AM
Run Time	00:15:04
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	72.5 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Bandwidth	1	OFF

Logged Data Chart

1190 Sunset Boulevard: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1
2/2/2023 8:40:32 AM	99.5	52.8	87.8	76.1
8:41:32 AM	94.2	62.9	84.4	73.9
8:42:32 AM	90.2	67.5	78.8	74.1
8:43:32 AM	94.9	65.6	77.3	72.2
8:44:32 AM	99.3	57.4	79.5	69.5
8:45:32 AM	100	69.3	87.6	75.8
8:46:32 AM	97.6	59.6	86.9	72
8:47:32 AM	92.2	65.9	77.4	73.1
8:48:32 AM	89.2	61.9	75.5	71.2
8:49:32 AM	87.5	67.7	75.4	72.1
8:50:32 AM	88.7	57.3	75.9	68.1
8:51:32 AM	90.5	65.9	78.4	72.4
8:52:32 AM	89.4	65.6	75.5	71.3
8:53:32 AM	89.8	64.4	78.1	71.2
8:54:32 AM	86.2	50.8	73.9	65.7

Session Report

2/4/2023

Information Panel

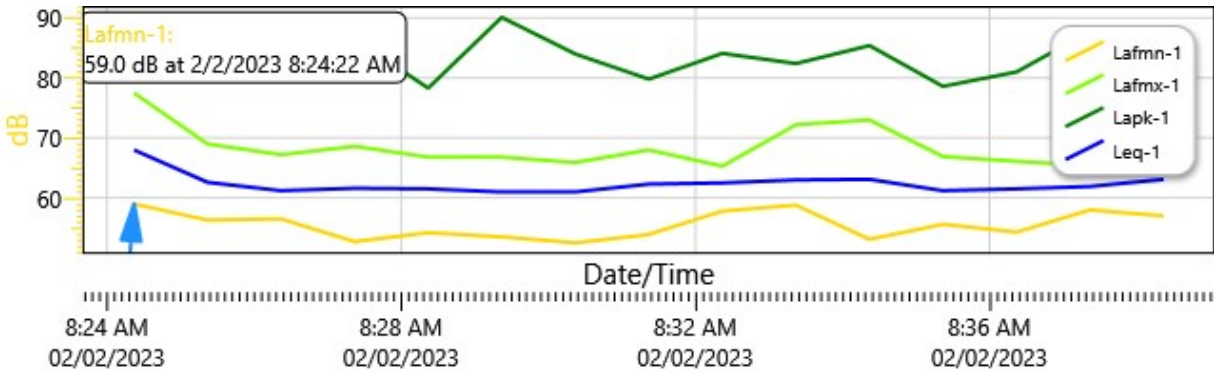
Name	941 Everett Street
Comments	
Start Time	2/2/2023 8:23:22 AM
Stop Time	2/2/2023 8:38:29 AM
Run Time	00:15:07
Serial Number	SE40213991
Device Name	SE40213991
Model Type	Sound Examiner
Device Firmware Rev	R.11C
Company Name	
Description	
Location	
User Name	

Summary Data Panel

Description	Meter	Value	Description	Meter	Value
Leq	1	62.7 dB			
Exchange Rate	1	3 dB	Weighting	1	A
Response	1	FAST	Bandwidth	1	OFF

Logged Data Chart

941 Everett Street: Logged Data Chart



Logged Data Table

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1

Date/Time	Lapk-1	Lafmn-1	Lafmx-1	Leq-1
2/2/2023 8:24:22 AM	89.1	59	77.5	68
8:25:22 AM	89.1	56.3	69	62.6
8:26:22 AM	80.6	56.5	67.2	61.2
8:27:22 AM	86.5	52.7	68.6	61.6
8:28:22 AM	78.3	54.2	66.8	61.5
8:29:22 AM	90.1	53.5	66.8	61
8:30:22 AM	84	52.5	65.9	61
8:31:22 AM	79.8	53.9	68	62.3
8:32:22 AM	84.1	57.8	65.3	62.5
8:33:22 AM	82.4	58.8	72.2	63
8:34:22 AM	85.4	53.1	73	63.1
8:35:22 AM	78.6	55.6	66.9	61.2
8:36:22 AM	81	54.3	66.1	61.5
8:37:22 AM	87.8	58	65.4	61.9
8:38:22 AM	86.5	57	66.1	63.1

DouglasKim+Associates,LLC

CONSTRUCTION NOISE IMPACTS
UNMITIGATED

DouglasKim+Associates,LLC

Grading Phase

Source	Sound Pressure Level
Grader	85
Grader	85
Air Compressor	80
Bore/Drill Rig	80
Cement and Mortar Mixer	85
Concrete/Industrial Saw	76
Excavator	80
Other Construction Equipmen	80
Total	91.4

=IF(D17<0,"n/a",10*LOG(D17))

Building Construction Phase

Source	Sound Pressure Level
Crane	83
Forklift	80
Generator Set	82
Generator Set	82
Tractor/Loader/Backhoe	80
Welder	80
Welder	80
Welder	80
Air Compressor	80
Air Compressor	80
Air Compressor	80
Cement and Mortar Mixer	85
Concrete/Inustrial Saw	76
Dumper/Tender	80
Dumper/Tender	80
Dumper/Tender	80
Other Construction Equipmen	80
Other Construction Equipmen	80
Pump	77
Skid Steer Loader	80
Total	93.7

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Level Evening dB(A)	Level Night dB(A)	Corrections Cwall dB	Corrections CI dB	Corrections CT dB
Consruction Site	10035 m²	Lw/unit	128.4	-	-	-	-	-

Receiver list

No.	Receiver name	Building side	Floor	Level Day dBA
1	Residences - 1271 Sunset Bl.	West	GF	65.2
2	Residences - Sunset Bl. (west side)	East	GF	80.4
3	Residences - Everett St. (west side)	East	GF	62.0
4	Residences - 1190 Sunset Bl.	East	GF	78.9
5	Residences - 1251-1255 Sunset Bl.	West	GF	80.0
6	Residences - Everett St. (east side)	North west	GF	78.5

Contribution levels of the receivers

Source name		Traffic lane	Level Day dB(A)
Residences - 1190 Sunset Bl.	GF		78.9
Consruction Site		-	78.9
Residences - 1251-1255 Sunset Bl.	GF		80.0
Consruction Site		-	80.0
Residences - 1271 Sunset Bl.	GF		65.2
Consruction Site		-	65.2
Residences - Everett St. (east side)	GF		78.5
Consruction Site		-	78.5
Residences - Everett St. (west side)	GF		62.0
Consruction Site		-	62.0
Residences - Sunset Bl. (west side)	GF		80.4
Consruction Site		-	80.4

Sunset and Everett

Signs and symbols

Building

Construction Site

Levels in dB(A)

< 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
80 - 85
85 - 90
>= 90

1 : 198

0 40 80 160 240 320 Feet

DouglasKim+Associates,LLC

Sunset and Everett

Signs and symbols

Building

Analyzed Sensitive Receptor

Construction Site

1 : 198

0 40 80 160 240 320 feet

DouglasKim+Associates,LLC

Construction Noise Impacts (Without Mitigation)

DouglasKim+Associates,LLC

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Residences - 1271 Sunset Bl.	71.4	65.2	72.3	0.9	**No**
Residences - Sunset Bl (west side)	74.7	80.4	81.4	6.7	**Yes**
Residences - Everett St. (west side)	62.7	62.0	65.4	2.7	**No**
Residences - 1190 Sunset Bl.	72.5	78.9	79.8	7.3	**Yes**
Residences - 1251-1255 Sunset Bl.	71.4	80.0	80.6	9.2	**Yes**
Residences - Everett St. (east side)	62.7	78.5	78.6	15.9	**Yes**

Note: Sound Power Level (Lw) assumes full sphere propagation

OFF-SITE CONSTRUCTION-RELATED TRAVEL VOLUMES

Construction Phase	Worker Trips	Vendor Trips	Haul Trips	Total	% of Traffic Volumes
Demolition	5	0	55.5	60	2.1%
Site Preparation	7.5	0	294.4	302	10.6%
Grading	20	0	291.0	311	10.9%
Trenching	7.5	0		8	0.3%
Building Construction	284	146.5		431	15.1%
Architectural Coatings	56.7	0		56.7	2.0%
Haul trips represent heavy-duty truck trips with a 19.1 Passenger Car Equivalent applied; Vendor trips are a blend of vehicle types with a 9.5					

2,857 Traffic Volumes on Sunset Boulevard at Everett Street in the peak A.M. hour

DouglasKim+Associates,LLC

CONSTRUCTION BUILDING DEBRIS

Materials	Total SF	Height	Cubic Yards	Pounds per Cub	Tons	Truck Capacity (CY)	Truck Trips	Source
Construction and Debris	0	0	-	484	-	10	-	Florida Department of Environmental Protection A Fact Sheet for C&D Debris Facility Operators
General Building		12	-	1,000	-	10	-	*Federal Emergency Management Agency, Debris Estimating Field Guide (FEMA 329), September 2010. General Building Formula*
Single Family Residence	-	12	-	1,000	-	10	-	Federal Emergency Management Agency. Debris Estimating Field Guide (FEMA 329), September 2010. Single Family Residence Formula, assumes 1 story, Medium vegetative cover multiplier (1.3)
Multi-Family Residence		12	-	1,000	-	10	-	
Mobile Home				1,000	-	10	-	
Mixed Debris	1,344	10	498	480	119	10	100	Florida Department of Environmental Protection A Fact Sheet for C&D Debris Facility Operators
Vegetative Debris (Hardwoods)			-	500	-	10	-	
Vegetative Debris (Softwoods)	16,028	10	5,936	333	989	10	1,187	
Asphalt or concrete (Constructior	6,000	0.5	111	2,400	133	10	22	
TOTAL			6,545		1,242		1,309	

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CONSTRUCTION NOISE IMPACTS MITIGATED

Noise emissions of industry sources

Source name	Size m/m²	Reference	Level Day dB(A)	Level Evening dB(A)	Level Night dB(A)	Corrections Cwall dB	Corrections CI dB	Corrections CT dB
Consruction Site	10035 m²	Lw/unit	109.8	-	-	-	-	-

Receiver list

No.	Receiver name	Building side	Floor	Level Day dBA
1	Residences - 1271 Sunset Bl.	West	GF	46.6
2	Residences - Sunset Bl. (west side)	East	GF	61.8
3	Residences - Everett St. (west side)	East	GF	43.4
4	Residences - 1190 Sunset Bl.	East	GF	60.3
5	Residences - 1251-1255 Sunset Bl.	West	GF	61.4
6	Residences - Everett St. (east side)	North west	GF	59.9

Contribution levels of the receivers

Source name		Traffic lane	Level Day dB(A)
Residences - 906-924 Everett St.	GF		59.9
Consruction Site		-	59.9
Residences - 1190 Sunset Bl.	GF		60.3
Consruction Site		-	60.3
Residences - 1251-1255 Sunset Bl.	GF		61.4
Consruction Site		-	61.4
Residences - 1271 Sunset Bl.	GF		46.6
Consruction Site		-	46.6
Residences - Everett St.	GF		43.4
Consruction Site		-	43.4
Residences - Sunset Bl. (west side)	GF		61.8
Consruction Site		-	61.8

Construction Noise Impacts (With Mitigation)

DouglasKim+Associates,LLC

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Residences - 1271 Sunset Bl.	71.4	65.2	72.3	0.9	**No**
Residences - Sunset Bl (west side)	74.7	77.9	79.6	4.9	**No**
Residences - Everett St.	62.7	62.0	65.4	2.7	**No**
Residences - 1190 Sunset Bl.	72.5	75.7	77.4	4.9	**No**
Residences - 1251-1255 Sunset Bl.	71.4	74.6	76.3	4.9	**No**
Residences - 906-924 Everett St.	62.7	65.9	67.6	4.9	**No**

Note: Sound Power Level (Lw) assumes full sphere propagation

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OPERATIONS NOISE CALCULATIONS

Receiver list

No.	Receiver name	Building side	Floor	Day dBA	Evening dBA	Night dBA	Lden
1	Residences - 1271 Sunset Bl.	West	GF	45.4	44.7	38.1	44.9
2	Residences - Sunset Bl. (west side)	East	GF	52.0	50.9	45.5	51.1
3	Residences - Everett St. (west side)	East	GF	43.7	42.3	37.7	42.5
4	Residences - 1190 Sunset Bl.	East	GF	52.1	51	45.6	51.1
5	Residences - 1251-1255 Sunset Bl.	West	GF	45.3	44.6	38.1	44.9
6	Residences - Everett St. (east side)	North west	GF	60.4	59	54.4	59.2

Contribution levels of the receivers

Source name		Traffic lane	Level Day	Evening	Night	Lden
			dB(A)			
Residences - Everett St. east side)	GF		60.4	59.0	54.4	59.2
Driveway A North		-	-28.3	-29.0	-35.6	-28.8
Driveway A South		-	34.4	33.7	27.0	33.9
Driveway B North		-	-34.0	-34.7	-41.3	-34.5
Driveway B South		-	34.5	33.8	27.1	34.0
Driveway C North		-	-5.4	-6.1	-12.7	-5.9
Driveway C South		-	34.4	33.7	27.0	33.9
Driveway C South		-	-11.3	-12.0	-18.7	-11.8
HVAC Units		-	51.7	50.3	45.7	50.4
HVAC Units		-	58.6	57.2	52.6	57.4
HVAC Units		-	50.4	49.0	44.4	49.1
HVAC Units		-	42.9	41.5	36.9	41.7
HVAC Units		-	-7.2	-7.2	-7.2	-5.3
HVAC Units		-	-6.2	-6.2	-6.2	-4.4
HVAC Units		-	49.0	47.6	43.0	47.8
HVAC Units		-	3.2	3.2	3.2	5.1
HVAC Units		-	1.5	1.5	1.5	3.4
HVAC Units		-	-3.8	-3.8	-3.8	-1.9
HVAC Units		-	-0.1	-0.1	-0.1	1.8
HVAC Units		-	8.2	8.2	8.2	10.1
HVAC Units		-	2.7	2.7	2.7	4.6
HVAC Units		-	-1.7	-1.7	-1.7	0.2
HVAC Units		-	7.5	7.5	7.5	9.3
HVAC Units		-	5.6	5.6	5.6	7.5
HVAC Units		-	-5.1	-5.1	-5.1	-3.2
HVAC Units		-	11.0	11.0	11.0	12.8
HVAC Units		-	12.8	12.8	12.8	14.6
HVAC Units		-	6.2	6.2	6.2	8.0
Plaza		-	35.0	33.6	28.9	33.7
Pool and Spa		-	23.6	22.2	17.5	22.3
Roof Deck		-	31.0	29.6	24.9	29.7
Roof Deck		-	34.5	33.1	28.5	33.3
Roof Deck		-	0.1	-1.3	-5.9	-1.2
Residences - 1271 Sunset Bl.	GF		45.4	44.7	38.1	44.9
Driveway A North		-	40.6	39.9	33.2	40.1
Driveway A South		-	28.8	28.1	21.4	28.3
Driveway B North		-	40.0	39.3	32.7	39.6
Driveway B South		-	22.3	21.6	15.0	21.9
Driveway C North		-	19.1	18.4	11.7	18.6
Driveway C South		-	21.0	20.3	13.7	20.5
Driveway C South		-	40.6	39.9	33.3	40.2
HVAC Units		-	20.3	19.0	14.3	19.1
HVAC Units		-	20.2	18.9	14.2	19.0
HVAC Units		-	20.3	18.9	14.2	19.0
HVAC Units		-	12.4	11.0	6.4	11.2
HVAC Units		-	10.0	10.0	10.0	11.8
HVAC Units		-	8.9	8.9	8.9	10.8
HVAC Units		-	20.4	19.1	14.4	19.2
HVAC Units		-	-1.5	-1.5	-1.5	0.4
HVAC Units		-	0.2	0.2	0.2	2.1
HVAC Units		-	6.5	6.5	6.5	8.4
HVAC Units		-	2.1	2.1	2.1	4.0
HVAC Units		-	-4.8	-4.8	-4.8	-3.0
HVAC Units		-	4.0	4.0	4.0	5.9
HVAC Units		-	4.2	4.2	4.2	6.1
HVAC Units		-	-5.8	-5.8	-5.8	-4.0
HVAC Units		-	-3.2	-3.2	-3.2	-1.3
HVAC Units		-	8.1	8.1	8.1	10.0
HVAC Units		-	-6.4	-6.4	-6.4	-4.5
HVAC Units		-	-7.9	-7.9	-7.9	-6.0
HVAC Units		-	-0.6	-0.6	-0.6	1.3
Plaza		-	5.7	4.3	-0.3	4.4
Pool and Spa		-	-1.2	-2.6	-7.2	-2.4

Contribution levels of the receivers

Source name		Traffic lane	Level Day	Evening	Night	Lden
			dB(A)			
Roof Deck		-	2.3	1.0	-3.7	1.1
Roof Deck		-	0.1	-1.3	-5.9	-1.2
Roof Deck		-	1.0	-0.4	-5.0	-0.2
Residences - 1190 Sunset Bl.	GF		52.1	51.0	45.6	51.2
Driveway A North		-	25.8	25.1	18.4	25.3
Driveway A South		-	43.2	42.5	35.8	42.7
Driveway B North		-	24.0	23.3	16.7	23.5
Driveway B South		-	42.8	42.1	35.5	42.4
Driveway C North		-	36.1	35.4	28.7	35.6
Driveway C South		-	42.8	42.1	35.5	42.3
Driveway C South		-	32.3	31.6	24.9	31.8
HVAC Units		-	42.8	41.4	36.7	41.5
HVAC Units		-	42.5	41.1	36.4	41.2
HVAC Units		-	43.7	42.3	37.7	42.4
HVAC Units		-	35.8	34.4	29.8	34.6
HVAC Units		-	7.4	7.4	7.4	9.2
HVAC Units		-	9.1	9.1	9.1	10.9
HVAC Units		-	44.2	42.8	38.2	42.9
HVAC Units		-	6.3	6.3	6.3	8.2
HVAC Units		-	4.8	4.8	4.8	6.7
HVAC Units		-	14.0	14.0	14.0	15.9
HVAC Units		-	5.9	5.9	5.9	7.7
HVAC Units		-	8.0	8.0	8.0	9.9
HVAC Units		-	18.7	18.7	18.7	20.6
HVAC Units		-	7.8	7.8	7.8	9.7
HVAC Units		-	12.2	12.2	12.2	14.1
HVAC Units		-	7.2	7.2	7.2	9.1
HVAC Units		-	10.9	10.9	10.9	12.8
HVAC Units		-	9.1	9.1	9.1	10.9
HVAC Units		-	11.2	11.2	11.2	13.1
HVAC Units		-	12.4	12.4	12.4	14.3
Plaza		-	30.3	28.9	24.2	29.0
Pool and Spa		-	22.2	20.8	16.2	20.9
Roof Deck		-	32.8	31.4	26.7	31.5
Roof Deck		-	32.8	31.4	26.8	31.5
Roof Deck		-	16.2	14.8	10.2	15.0
Residences - 1251-1255 Sunset Bl.	GF		45.3	44.6	38.1	44.9
Driveway A North		-	40.4	39.7	33.1	40.0
Driveway A South		-	24.3	23.6	16.9	23.8
Driveway B North		-	39.5	38.8	32.1	39.0
Driveway B South		-	16.0	15.3	8.7	15.5
Driveway C North		-	18.9	18.2	11.6	18.4
Driveway C South		-	13.5	12.8	6.2	13.0
Driveway C South		-	41.1	40.4	33.7	40.6
HVAC Units		-	23.9	22.5	17.9	22.7
HVAC Units		-	23.0	21.6	17.0	21.8
HVAC Units		-	23.0	21.6	17.0	21.7
HVAC Units		-	16.0	14.6	9.9	14.7
HVAC Units		-	17.0	17.0	17.0	18.9
HVAC Units		-	13.8	13.8	13.8	15.7
HVAC Units		-	23.9	22.5	17.9	22.6
HVAC Units		-	2.0	2.0	2.0	3.9
HVAC Units		-	4.0	4.0	4.0	5.9
HVAC Units		-	11.2	11.2	11.2	13.1
HVAC Units		-	6.2	6.2	6.2	8.1
HVAC Units		-	-1.8	-1.8	-1.8	0.1
HVAC Units		-	7.6	7.6	7.6	9.5
HVAC Units		-	8.6	8.6	8.6	10.5
HVAC Units		-	-2.8	-2.8	-2.8	-0.9
HVAC Units		-	0.1	0.1	0.1	2.0
HVAC Units		-	13.0	13.0	13.0	14.9
HVAC Units		-	-3.6	-3.6	-3.6	-1.7
HVAC Units		-	-5.2	-5.2	-5.2	-3.4

Contribution levels of the receivers

Source name	Traffic lane	Level Day	Evening	Night	Lden
		dB(A)			
HVAC Units	-	4.4	4.4	4.4	6.3
Plaza	-	-1.8	-3.2	-7.8	-3.0
Pool and Spa	-	-1.3	-2.7	-7.4	-2.6
Roof Deck	-	7.0	5.6	1.0	5.8
Roof Deck	-	3.9	2.5	-2.2	2.6
Roof Deck	-	15.1	13.8	9.1	13.9
Residences - Everett St. (west side) GF		43.7	42.3	37.7	42.5
Driveway A North	-	-0.3	-1.0	-7.7	-0.8
Driveway A South	-	20.8	20.1	13.4	20.3
Driveway B North	-	-0.8	-1.5	-8.2	-1.3
Driveway B South	-	18.1	17.4	10.7	17.6
Driveway C North	-	-0.6	-1.3	-8.0	-1.1
Driveway C South	-	17.7	17.0	10.4	17.2
Driveway C South	-	0.0	-0.7	-7.4	-0.5
HVAC Units	-	37.8	36.4	31.8	36.5
HVAC Units	-	37.1	35.8	31.1	35.9
HVAC Units	-	36.7	35.3	30.7	35.5
HVAC Units	-	29.7	28.3	23.7	28.5
HVAC Units	-	7.2	7.2	7.2	9.1
HVAC Units	-	7.6	7.6	7.6	9.5
HVAC Units	-	37.7	36.3	31.7	36.4
HVAC Units	-	11.0	11.0	11.0	12.9
HVAC Units	-	10.5	10.5	10.5	12.4
HVAC Units	-	8.7	8.7	8.7	10.6
HVAC Units	-	10.1	10.1	10.1	12.0
HVAC Units	-	11.0	11.0	11.0	12.8
HVAC Units	-	10.1	10.1	10.1	11.9
HVAC Units	-	9.6	9.6	9.6	11.4
HVAC Units	-	10.3	10.3	10.3	12.2
HVAC Units	-	10.9	10.9	10.9	12.8
HVAC Units	-	8.2	8.2	8.2	10.0
HVAC Units	-	11.0	11.0	11.0	12.9
HVAC Units	-	10.7	10.7	10.7	12.6
HVAC Units	-	10.0	10.0	10.0	11.9
Plaza	-	10.2	8.9	4.2	9.0
Pool and Spa	-	13.6	12.2	7.6	12.4
Roof Deck	-	19.3	17.9	13.2	18.0
Roof Deck	-	24.3	22.9	18.3	23.0
Roof Deck	-	2.0	0.7	-4.0	0.8
Residences - Sunset Bl. (west side) GF		52.0	50.9	45.5	51.1
Driveway A North	-	32.8	32.1	25.5	32.3
Driveway A South	-	42.8	42.1	35.4	42.3
Driveway B North	-	31.7	31.0	24.4	31.2
Driveway B South	-	37.0	36.3	29.7	36.5
Driveway C North	-	42.3	41.6	34.9	41.8
Driveway C South	-	30.5	29.8	23.1	30.0
Driveway C South	-	43.9	43.2	36.5	43.4
HVAC Units	-	44.6	43.2	38.6	43.3
HVAC Units	-	39.1	37.7	33.1	37.9
HVAC Units	-	39.3	37.9	33.3	38.1
HVAC Units	-	34.8	33.5	28.8	33.6
HVAC Units	-	10.0	10.0	10.0	11.9
HVAC Units	-	10.7	10.7	10.7	12.6
HVAC Units	-	45.6	44.2	39.6	44.4
HVAC Units	-	17.5	17.5	17.5	19.3
HVAC Units	-	19.7	19.7	19.7	21.5
HVAC Units	-	12.0	12.0	12.0	13.9
HVAC Units	-	19.5	19.5	19.5	21.4
HVAC Units	-	11.2	11.2	11.2	13.1
HVAC Units	-	13.5	13.5	13.5	15.4
HVAC Units	-	19.1	19.1	19.1	21.0
HVAC Units	-	11.3	11.3	11.3	13.1
HVAC Units	-	11.5	11.5	11.5	13.3

Contribution levels of the receivers

Source name	Traffic lane	Level			
		Day	Evening	Night	Lden
		dB(A)			
HVAC Units	-	11.4	11.4	11.4	13.3
HVAC Units	-	10.6	10.6	10.6	12.5
HVAC Units	-	10.1	10.1	10.1	12.0
HVAC Units	-	12.1	12.1	12.1	14.0
Plaza	-	12.7	11.3	6.7	11.4
Pool and Spa	-	7.3	6.0	1.3	6.1
Roof Deck	-	30.2	28.8	24.2	29.0
Roof Deck	-	19.6	18.2	13.6	18.4
Roof Deck	-	31.1	29.7	25.0	29.8

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Operational Noise Impacts

Composite Noise Impact Summary

Sensitive Receptor	Existing CNEL	Traffic	Mechanical	Outdoor Spaces	Project Composite	Existing + Project	Increase	Threshold of Significance	Significant?
Residences - 1271 Sunset Bl.	69.4	47.7	48.3	35.8	44.9	69.4	0.0	74.4	No
Residences - Sunset Bl (west side)	72.7	48.0	48.1	32.7	51.1	72.7	0.0	75.7	No
Residences - Everett St. (west side	60.7	23.6	42.4	24.8	42.5	60.8	0.1	65.7	No
Residences - 1190 Sunset Bl.	70.5	44.9	26.0	13.5	51.1	70.5	0.0	73.5	No
Residences - 1251-1255 Sunset Bl.	69.4	44.7	29.6	16.7	44.9	69.4	0.0	72.4	No
Residences - Everett St. (east side	60.7	38.7	58.7	37.5	59.2	63.0	2.3	63.7	No

Sensitive Receptor **Residences - 1271 Sunset Bl.**

Source	Sound Pressu	10^(x/10)
Traffic	47.7	58699
Mechanical	48.3	67393
Outdoor Spaces	35.8	3790
Total	51.1	129888.996

Sensitive Receptor **Residences - Sunset Bl (west side)**

Source	Sound Pressu	10^(x/10)
Traffic	48.0	62490
Mechanical	48.1	64562
Outdoor Spaces	32.7	1852
Total	51.1	128911.2001

Sensitive Receptor **Residences - Everett St. (west side)**

Source	Sound Pressu	10^(x/10)
Traffic	23.6	231
Mechanical	42.4	17208
Outdoor Spaces	24.8	305
Total	42.5	17751.51658

Sensitive Receptor **Residences - 1190 Sunset Bl.**

Source	Sound Pressu	10^(x/10)
Traffic	44.9	30851
Mechanical	26.0	398
Outdoor Spaces	13.5	22
Total	45.0	31278.63957

Sensitive Receptor **1251-1255 Sunset Bl.**

Source	Sound Pressu	10^(x/10)
Traffic	44.7	29512
Mechanical	29.6	912
Outdoor Spaces	16.7	47
Total	44.8	30477.87662

=IF(D17<0,"n/a =sum(D5:D16)

Sensitive Receptor **Residences - Everett St. (east side)**

Source	Sound Pressu	10^(x/10)
Traffic	38.7	7413
Mechanical	58.7	741310
Outdoor Spaces	37.5	-5623
Total	58.7	743107.9305

DouglasKim+Associates,LLC

TRAFFIC NOISE MODELING

Noise emissions of road traffic

Statio km	ADT Veh/24	Vehicles type	Vehicle name	Traffic values day Veh/h	evening Veh/h	night Veh/h	Speed km/h	Contr devic	Cons Spee km/h	Affec veh. %	Road surface	Gradie Min / M %
Driveway A South			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					
Driveway A North			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					
Driveway B South			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					
Driveway B North			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					
Driveway C South			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					
Driveway C South			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					
Driveway C North			Traffic direction: in entry direction									
0+00	744	Total	-	18	18	3	-	none	-	-	Average (of DGAC a	0.0
		Automobiles	-	18	18	3	56					
		Medium trucks	-	-	-	-	-					
		Heavy trucks	-	-	-	-	-					
		Buses	-	-	-	-	-					
		Motorcycles	-	-	-	-	-					
		Auxiliary vehicle	-	-	-	-	-					

DouglasKim+Associates,LLC

OPERATIONS ANALYSIS
MECHANICAL EQUIPMENT

Carrier

Turn to the experts

Qualifying Systems Only

COMFORT™ SERIES HEAT PUMPS

Proven, reliable comfort, up to 16.0 SEER and 9.0 HSPF ratings

Models 25HBC5, 25HCE4, 25HCE4**C

DESIGNED WITH YOUR COMFORT IN MIND

Innovation, efficiency, quality: Carrier Comfort™ Series heat pumps represent years of research and design with one goal in mind – making your family comfortable. With standard models and units designed specifically for the rigors of coastal area installations, Comfort™ Series heat pumps represent the Carrier quality, environmental stewardship and lasting durability that have endured for more than a century. And, to ensure maximum year-round efficiency with both gas and electric heating capabilities, your dealer can include a new Carrier gas furnace and compatible thermostat to create a Hybrid Heat® dual-fuel system.

EFFICIENCY

SEER (Seasonal Energy Efficiency Ratio) and HSPF (Heating Seasonal Performance Factor) ratings are like your car's MPG – the higher the number, the greater the potential for savings. Comfort™ Series heat pumps offer a range of efficiencies that start at 14.0 SEER and reach as high as 16.0 SEER and up to 9.0 HSPF.

DURABILITY

A galvanized steel cabinet, heavy-duty wire coil guard and baked-on powder paint provide superior protection against dings, dents and other outdoor threats. For home comfort in a coastal environment, ask about Comfort™ Series models with WeatherShield™ protection for extra-tough, longer lasting corrosion resistance to withstand the harsh sea coast air.

ENVIRONMENT

Carrier was the first to offer systems with Puron® refrigerant, which does not contribute to ozone depletion. By replacing an older, less efficient heat pump, you are reducing energy use and your environmental impact.

HYBRID HEAT® SYSTEM

Combining a gas furnace, an electric heat pump and a compatible thermostat, a Carrier Hybrid Heat system automatically switches between electric and gas heating to optimize the efficiency of each fuel source. It's a great defense against unpredictable utility costs.

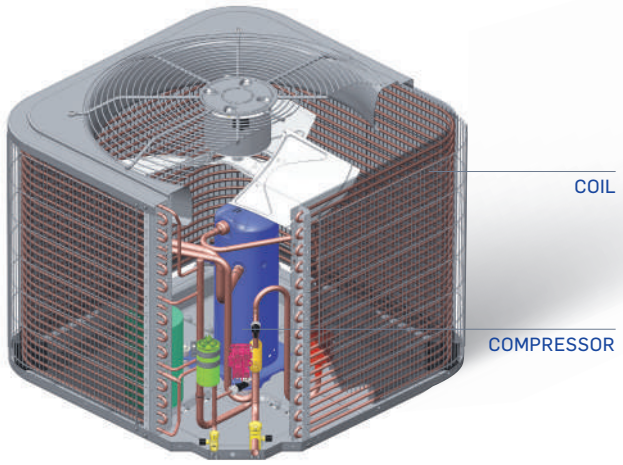
LIMITED WARRANTY

To the original owner, our Comfort™ Series heat pumps are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installationexcept in jurisdictions where warranty benefits cannot be conditioned upon registration. See warranty certificate at carrier.com for complete details and restrictions.

THE CARRIER DIFFERENCE

If you could look under the hood of a Carrier Comfort™ Series heat pump, you'd see what drives the performance: a serious commitment to quality. Our microtube coil technology saves space and provides lasting comfort with its corrosion-resistant construction. And, our smooth-running compressor represents the solid, reliable performance you expect.

Comfort™ Series heat pumps are built to look their best while enduring exposure to hail, errant soccer balls, lawn equipment and more. The cabinet plays an important role in sound as well, using an aerodynamic top to facilitate airflow and keep operating sound to a minimum.



COMFORT™ 15
HEAT PUMP

A RANGE OF COMFORT

Carrier delivers heating and cooling systems in a range of shapes and sizes. Check out this side-by-side comparison to see how our efficient Comfort™ Series heat pumps measure up against our Infinity® and Performance™ models

	Infinity® System	Performance™ Series	Comfort™ Series
Motor Performance	Variable-speed rotary, variable-speed and two-stage scroll compressors available	Two-stage and single-stage scroll compressors available	Single-stage scroll compressor
Efficiency	Up to 24.0 SEER and 13.0 HSPF ratings	Up to 18.0 SEER and up to 9.5 HSPF rating	Up to 16.0 SEER and up to 9.0 HSPF rating
Durability	WeatherArmor™ Ultra cabinet protection	WeatherArmor™ Ultra cabinet protection	WeatherArmor™ cabinet protection
Sound	Silencer System II™, dBA as low as 51	dBA as low as 67	dBA as low as 69
Recommended Control*	Infinity® system control	ecobee Smart Thermostat, powered by Carrier	ecobee Smart Thermostat, powered by Carrier
Limited Warranty	10-year parts† 10-year unit replacement (25VNA4 compressor failure only)†	10-year parts†	10-year parts†

* Control sold separately, other options available.
† Upon timely registration. The warranty period is five years if not registered within 90 days of installation except in jurisdictions where warranty benefits cannot be conditioned upon registration. See limited warranty certificate for complete details and restrictions.

GAIN MORE CONTROL WITH A COMPLETE HOME COMFORT SYSTEM

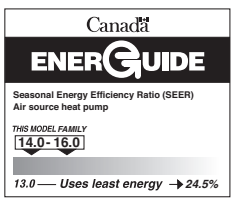
Control	Fan Coil	Evaporator Coil	Air Purifier	Humidifier	Ventilator
Wi-Fi®-enabled smart thermostat learns your schedule for greater efficiency and comfort.	The indoor section of your heat pump and should be properly matched to the outdoor unit for improved efficiency and long-term reliability.	Matches to the proper outdoor unit to provide more cooling efficiency and years of reliable service.	Uses Captures & Kills® technology to inactivate 99% of select airborne pathogens trapped by the filter, including coronavirus, bacteria and other pathogens.[1]	Adds moisture to the air, helping keep static and dry skin at bay.	Combines fresh outdoor air with conditioned indoor air for improved air quality.

[1] The Infinity® air purifier has demonstrated effectiveness against the murine coronavirus, based on third-party testing (2020) showing a >99% inactivation, which is a virus similar to the human novel coronavirus (SARS-CoV-2) that causes COVID-19. Therefore, the Infinity air purifier can be expected to be effective against SARS-CoV-2 when used in accordance with its directions for use. Third-party testing (2012, 2007) also shows ≥99% inactivation for the type of virus that causes common colds, Streptococcus pyogenes and human influenza. Airborne particles must flow through your HVAC system and be trapped by the Infinity filter to be inactivated at 99%. Learn how it works at Carrier.com/purifier.

MORE THAN A CENTURY OF COOL

In 1902, a determined engineer answered one of mankind's most nagging questions: How do we make hot, sticky, indoor air go away? In creating the world's first modern air conditioning system, Willis Carrier forever changed indoor life, and, more than a century later, the corporation that bears his name takes inspiration from his example.

Carrier strives to improve on our founder's breakthroughs, introducing new technologies that make life at home even cooler. Today, a nationwide network of experts continues to advance Willis Carrier's lifework. Your expert Carrier dealer is equipped to evaluate your home and create a customized system designed around your lifestyle.



Carrier
Turn to the experts

Comfort SERIES

carrier.com 1-800-CARRIER

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As an ENERGY STAR® partner, Carrier Corporation has determined that qualifying models meet ENERGY STAR guidelines for energy efficiency. Ask your dealer for details or visit www.energystar.gov.

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01-825-099-25
11/2020

Noise emissions of industry sources

Source na	Size	Referenc	Level		Frequency spectrum [dB(A)]																					Correction		
					63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	Cwa	CI	CT
	m/m²			dB(A)	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	dB	dB	dB
HVAC Uni			Night	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	32.32 m	Lw/unit	Day	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Evenir	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Night	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	32.32 m	Lw/unit	Day	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Evenir	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Night	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	32.32 m	Lw/unit	Day	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Evenir	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Night	85.0	-	-	-	-	-	-	-	-	-	85.(	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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OPERATIONS ANALYSIS
OUTDOOR SPACES

DouglasKim+Associates,LLC

Outdoor Sources Noise Impacts (Without Mitigation)
Sensitive Receptor: Residences - 1271 Sunset Bl.

Source	Sound Pressure Level
Plaza	29
Pool and Spa	20.9
Roof Deck	31.5
Roof Deck	31.5
Roof Deck	15
Total	**35.8**

Outdoor Sources Noise Impacts (Without Mitigation)
Sensitive Receptor: Residences - Sunset Bl (west si

Source	Sound Pressure Level
Plaza	11.4
Pool and Spa	6.1
Roof Deck	29
Roof Deck	18.4
Roof Deck	29.8
Total	**32.7**

Outdoor Sources Noise Impacts (Without Mitigation)
Sensitive Receptor: Residences - Everett St. (west s

Source	Sound Pressure Level
Plaza	9
Pool and Spa	12.4
Roof Deck	18
Roof Deck	23
Roof Deck	0.8
Total	**24.8**

Outdoor Sources Noise Impacts (Without Mitigation)
Sensitive Receptor: Residences - 1190 Sunset Bl.

Source	Sound Pressure Level
Plaza	4.4
Pool and Spa	-2.4
Roof Deck	1.1
Roof Deck	-1.2
Roof Deck	-0.2
Total	**13.5**

Outdoor Sources Noise Impacts (Without Mitigation)
Sensitive Receptor: Residences - 1251-1255 Sunse

Source	Sound Pressure Level
Plaza	-3
Pool and Spa	-2.6
Roof Deck	5.8
Roof Deck	2.6
Roof Deck	13.9
Total	**16.7**

Outdoor Sources Noise Impacts (Without Mitigation)
Sensitive Receptor: Residences - Everett St. (east si

Source	Sound Pressure Level
Plaza	33.7
Pool and Spa	22.3
Roof Deck	29.7
Roof Deck	33.3
Roof Deck	-1.2
Total	**37.5**

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OPERATIONS NOISE CALCULATIONS
(DAY)

Sunset and Everett

Signs and symbols

Building

HVAC/Pool/Roof Deck

Levels in dB(A)

< 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
>= 80

1 : 198

0 40 80 160 240 320 Feet

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OPERATIONS NOISE CALCULATIONS
(EVENING)

Sunset Everett

Signs and symbols

Building

HVAC/Pool/Roof Deck

Levels in dB(A)

< 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
>= 80

1 : 198

0 40 80 160 240 320 Feet

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OPERATIONS NOISE CALCULATIONS
(NIGHT)

Sunset Everett

Signs and symbols

Building

HVAC/Pool/Roof Deck

Levels in dB(A)

< 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
>= 80

1 : 198

0 40 80 160 240 320 Feet

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OPERATIONS NOISE CALCULATIONS
(CNEL)

Sunset Everett

Signs and symbols

Building

HVAC/Pool/Roof Deck

Levels in dB(A)

< 20
20 - 25
25 - 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
>= 80

1 : 198

0 40 80 160 240 320 Feet

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DEMOLITION ANALYSIS

DouglasKim+Associates,LLC

CONSTRUCTION BUILDING DEBRIS

Materials	Total SF	Height	Cubic Yards	Pounds per Cub	Tons	Truck Capacity (CY)	Truck Trips	Source
Construction and Debris	0	0	-	484	-	10	-	Florida Department of Environmental Protection A Fact Sheet for C&D Debris Facility Operators
General Building		12	-	1,000	-	10	-	*Federal Emergency Management Agency, Debris Estimating Field Guide (FEMA 329), September 2010. General Building Formula*
Single Family Residence	-	12	-	1,000	-	10	-	Federal Emergency Management Agency. Debris Estimating Field Guide (FEMA 329), September 2010. Single Family Residence Formula, assumes 1 story, Medium vegetative cover multiplier (1.3)
Multi-Family Residence		12	-	1,000	-	10	-	
Mobile Home				1,000	-	10	-	
Mixed Debris	1,344	10	498	480	119	10	100	Florida Department of Environmental Protection A Fact Sheet for C&D Debris Facility Operators
Vegetative Debris (Hardwoods)			-	500	-	10	-	
Vegetative Debris (Softwoods)	16,028	10	5,936	333	989	10	1,187	
Asphalt or concrete (Constructior	6,000	0.5	111	2,400	133	10	22	
TOTAL			6,545		1,242		1,309	

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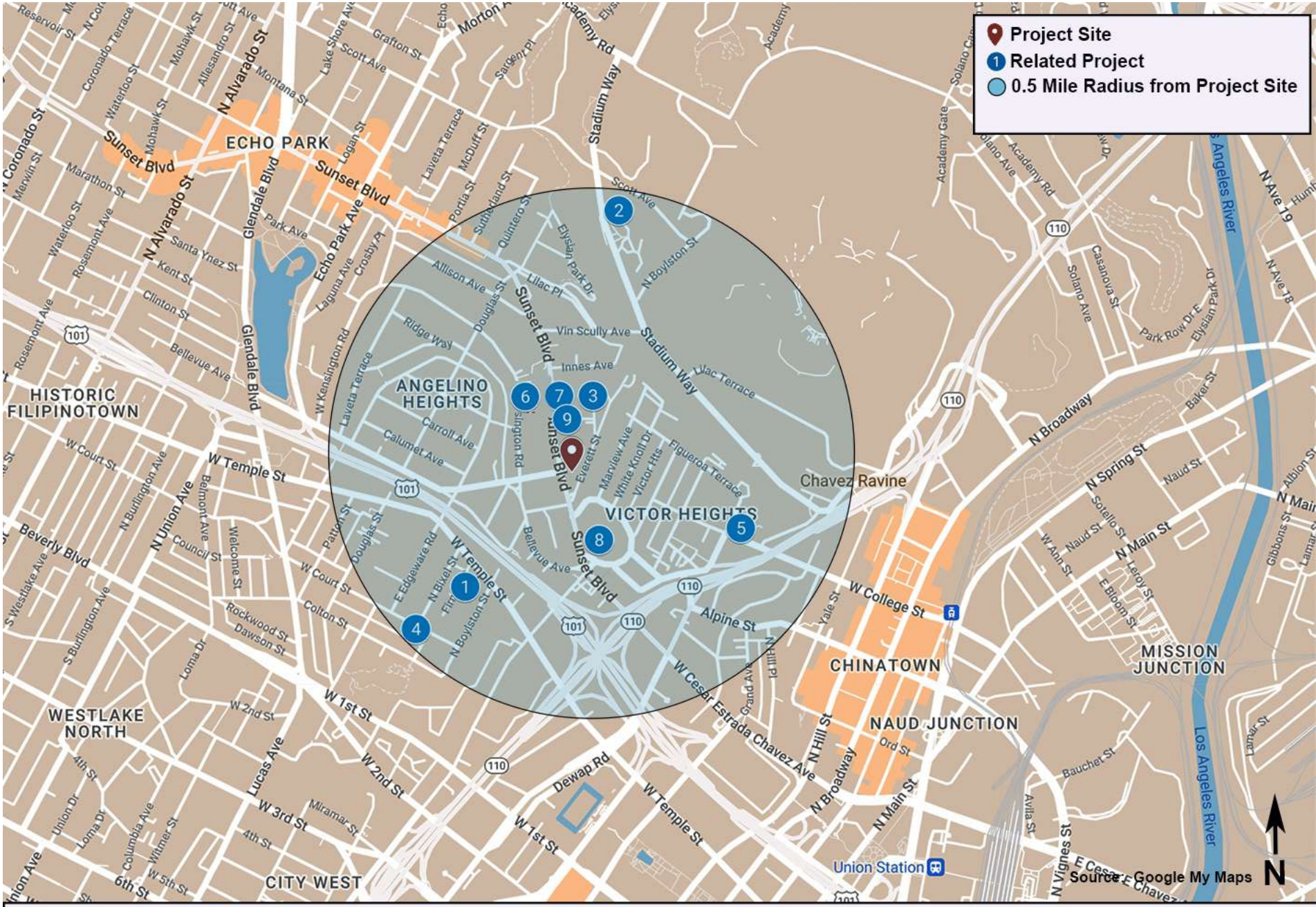
CUMULATIVE PROJECTS

Table 2: Related Projects

ID	PROJECT TITLE	PROJECT ADDRESS	LAND USE	SIZE	Trip Generation Estimates [a]					
					AM PEAK HOUR			PM PEAK HOUR		
					In	Out	Total	In	Out	Total
1	Firmin Court Residential	418 N Firmin St	Apartments	64 du	6	9	15	6	4	10
2	Barlow Skilled Nursing Facility	2000 N Stadium Way	Medical	80.545 ksf	19	7	26	11	22	33
3	Evertt St (2016) Project	1013 N Everett St	Apartments	49 du	5	20	25	19	10	29
4	Apartments	1246 W Court St	Apartments	54 du	6	22	28	21	12	33
5	Kaiser LA Specialty Medical Center	765 W College St	Medical	100 ksf	178	48	226	78	198	276
			Mental Health Facility	62 beds						
6	1274 Sunset Hotel	1274 Sunset Blvd	Hotel	8 rooms	2	2	4	3	2	5
			Restaurant	1.47 ksf	11	9	20	12	12	24
7	1275 Sunset Residential	1275 Sunset Blvd	Apartments	77 du	7	20	27	18	12	30
8	1111 Sunset Mixed Use	1111 Sunset Blvd	Mixed Use	N/A [b]	241	290	531	386	282	668

du = dwelling units
ksf = one thousand square feet
[a] Based on information provided by LADOT on February 3, 2023 and *ITE Trip Generation Manual, 11th ed* , 2021
[b] Trip generation estimates for 1111 Sunset Mixed Use drawn from the project's Draft EIR.



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CUMULATIVE CONSTRUCTION NOISE IMPACTS UNMITIGATED

Receiver list

No.	Receiver name	Building side	Floor	Level Day dBA
1	Residences - 1271 Sunset Bl.	West	GF	65.8
2	Residences - Sunset Bl. (west side)	East	GF	80.4
3	Residences - Everett St. (west side)	East	GF	58.9
4	Residences - 1190 Sunset Bl.	East	GF	79.0
5	Residences - 1251-1255 Sunset Bl.	West	GF	
6	Residences - Everett St. (east side)	North west	GF	78.5

Contribution levels of the receivers

Source name		Traffic lane	Level Day dB(A)
Residences - 1190 Sunset Bl.	GF		79.0
Construction Site		-	79.0
Related Project - 1111 Sunset Bl.		-	45.6
Related Project - 1251 Sunset Bl.		-	48.7
Related Project - 1274 Sunset Bl.		-	29.8
Related Project - 1275 Sunset Bl.		-	27.4
Residences - 1271 Sunset Bl.	GF		65.8
Construction Site		-	61.1
Related Project - 1111 Sunset Bl.		-	26.3
Related Project - 1251 Sunset Bl.		-	49.5
Related Project - 1274 Sunset Bl.		-	63.6
Related Project - 1275 Sunset Bl.		-	51.7
Residences - Everett St. (east side)	GF		78.5
Construction Site		-	78.5
Related Project - 1111 Sunset Bl.		-	41.5
Related Project - 1251 Sunset Bl.		-	43.0
Related Project - 1274 Sunset Bl.		-	33.0
Related Project - 1275 Sunset Bl.		-	24.8
Residences - Everett St. (west side)	GF		58.9
Construction Site		-	58.8
Related Project - 1111 Sunset Bl.		-	41.6
Related Project - 1251 Sunset Bl.		-	34.0
Related Project - 1274 Sunset Bl.		-	29.7
Related Project - 1275 Sunset Bl.		-	28.7
Residences - Sunset Bl. (west side)	GF		80.4
Construction Site		-	80.3
Related Project - 1111 Sunset Bl.		-	40.2
Related Project - 1251 Sunset Bl.		-	59.1
Related Project - 1274 Sunset Bl.		-	36.5
Related Project - 1275 Sunset Bl.		-	37.3

Sunset and Everett

Signs and symbols

Building

Construction Site (Cumulative)

Levels in dB(A)

< 30
30 - 35
35 - 40
40 - 45
45 - 50
50 - 55
55 - 60
60 - 65
65 - 70
70 - 75
75 - 80
80 - 85
85 - 90
>= 90

1 : 198

0 40 80 160 240 320 Feet

DouglasKim+Associates,LLC

Cumulative Construction Noise Impacts (Without M

DouglasKim+Associates,LLC

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Residences - 1271 Sunset Bl.	71.4	65.8	72.5	1.1	**No**
Residences - Sunset Bl (west side)	74.7	80.4	81.4	6.7	**Yes**
Residences - Everett St. (west side)	62.7	58.9	64.2	1.5	**No**
Residences - 1190 Sunset Bl.	72.5	79.0	79.9	7.4	**Yes**
Residences - Everett St. (east side)	62.7	78.5	78.6	15.9	**Yes**

Note: Sound Power Level (Lw) assumes full sphere propagation

DouglasKim+Associates,LLC

CUMULATIVE CONSTRUCTION NOISE IMPACTS MITIGATED

Receiver list

No.	Receiver name	Coordinates X in meter	Coordinates Y in meter	Building side	Floor	Height abv.grd. m	Limit Day dB(A)	Level Day dB(A)	Conflict Day dB
1	Residences - 1190 Sunset Bl.	11384626.39	3770390.03	East	GF	128.62	-	71.5	-
2	Residences - 1271 Sunset Bl.	11384642.33	3770661.59	West	GF	143.05	-	64.7	-
3	Residences - Everett St. (east side)	11384699.57	3770371.98	North west	GF	129.60	-	65.6	-
4	Residences - Everett St. (west side)	11384722.36	3770506.14	East	GF	144.39	-	54.1	-
5	Residences - Sunset Bl. (west side)	11384599.94	3770517.43	East	GF	133.63	-	74.2	-

Contribution levels of the receivers

Source name		Traffic lane	Level Day dB(A)
Residences - 1190 Sunset Bl.	GF		71.5
Construction Site		-	71.5
Related Project - 1111 Sunset Bl.		-	45.7
Related Project - 1251 Sunset Bl.		-	48.5
Related Project - 1274 Sunset Bl.		-	30.5
Related Project - 1275 Sunset Bl.		-	27.4
Residences - 1271 Sunset Bl.	GF		64.7
Construction Site		-	56.1
Related Project - 1111 Sunset Bl.		-	26.3
Related Project - 1251 Sunset Bl.		-	49.5
Related Project - 1274 Sunset Bl.		-	63.6
Related Project - 1275 Sunset Bl.		-	51.7
Residences - Everett St. (east side)	GF		65.6
Construction Site		-	65.6
Related Project - 1111 Sunset Bl.		-	41.4
Related Project - 1251 Sunset Bl.		-	41.8
Related Project - 1274 Sunset Bl.		-	33.1
Related Project - 1275 Sunset Bl.		-	24.8
Residences - Everett St. (west side)	GF		54.1
Construction Site		-	53.8
Related Project - 1111 Sunset Bl.		-	41.7
Related Project - 1251 Sunset Bl.		-	34.0
Related Project - 1274 Sunset Bl.		-	29.7
Related Project - 1275 Sunset Bl.		-	28.7
Residences - Sunset Bl. (west side)	GF		74.2
Construction Site		-	74.0
Related Project - 1111 Sunset Bl.		-	40.3
Related Project - 1251 Sunset Bl.		-	59.1
Related Project - 1274 Sunset Bl.		-	36.5
Related Project - 1275 Sunset Bl.		-	37.3

Cumulative Construction Noise Impacts (With Mitig

DouglasKim+Associates,LLC

Receptor	Existing Leq	Noise	New Leq	Difference Leq	Significant?
Residences - 1271 Sunset Bl.	71.4	64.7	72.2	0.8	**No**
Residences - Sunset Bl (west side)	74.7	74.2	77.5	2.8	**No**
Residences - Everett St. (west side)	62.7	54.1	63.3	0.6	**No**
Residences - 1190 Sunset Bl.	72.5	71.5	75.0	2.5	**No**
Residences - Everett St. (east side)	62.7	65.6	67.4	4.7	**No**

Note: Sound Power Level (Lw) assumes full sphere propagation

VIBRATION TECHNICAL REPORT

Introduction

This section evaluates vibration impacts that would be generated by construction and operation of the Proposed Sunset & Everett Project on the east side of Sunset Boulevard north of Everett Street in the City of Los Angeles. The analysis compares these impacts to applicable regulations and thresholds of significance. Vibration calculation worksheets are included in the Technical Appendix.

Fundamentals of Vibration

Characteristics of Vibration. Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, and acceleration. Unlike noise, vibration is not a common environmental problem, as it is unusual for vibration from vehicle sources to be perceptible. Common sources of vibration include trains, construction activities, and certain industrial operations.

Vibration Definitions. This analysis discusses vibration in terms of Peak Particle Velocity (PPV). PPV is commonly used to describe and quantify vibration impacts to buildings and other structures. PPV levels represent the maximum instantaneous peak of a vibration signal and are usually measured in inches per second.[1] This analysis also discusses the vibration of events in decibel scale, known as Vibration Decibels (VdB), which is a unitless measure of vibration that is expressed on a logarithmic scale.

Effects of Vibration. High levels of vibration may cause physical personal injury or damage to buildings. However, groundborne vibration levels rarely affect human health. Instead, most people consider groundborne vibration to be an annoyance that can disrupt concentration or disturb sleep. Groundborne vibration can also interfere with certain types of highly sensitive equipment and machines, especially imaging devices used in medical laboratories.

Perceptible Vibration Changes. Unlike noise, groundborne vibration is not an environmental issue that most people experience every day. Background vibration levels in residential areas are usually well below the threshold of perception for humans, approximately 0.01 inches per second.[2] Perceptible indoor vibrations are most often caused by sources within buildings themselves, such as slamming doors or heavy footsteps. Common outdoor sources of groundborne vibration include construction equipment, trains, and traffic on rough or unpaved roads. Traffic vibration from smooth and well-maintained roads is typically not perceptible.

1 California Department of Transportation, Transportation and Construction Vibration Guidance Manual, April 2020; https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/tcvgm-apr2020-a11y.pdf.

2 Ibid.

Regulatory Framework

Federal

Federal Transit Administration (FTA). In 2018, the FTA published the Transit Noise and Vibration Impact Assessment Manual to aid in the estimation and analysis of vibration impacts. Typically, potential building and structural damages are the foremost concern when evaluating the impacts of construction-related vibrations. Table 1 summarizes FTA's vibration guidelines for building and structural damage. While these are reference values for vibration levels at 25 feet of distance, this analysis uses logarithmic equations to determine whether building damage would occur regardless of actual distance between construction activity and nearby buildings.

Table 1
FTA Vibration Damage Potential Threshold Criteria

Structure and Condition	Threshold Criteria (in/sec PPV) at 25 Feet
I. Reinforced-concrete, steel or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12
Source: Federal Transit Administration "Transit Noise and Vibration Impact Assessment Manual", September 2018.	

The FTA Assessment Manual also cites criteria for cases where more detailed analysis may be required. For buildings consisting of concrete wall and floor foundations, masonry or concrete walls, or stone masonry retaining walls, continuous vibrations of 0.3 inches per second PPV can be damaging. For buildings consisting of steel or reinforced concrete, such as factories, retaining walls, bridges, steel towers, open channels, underground chambers and tunnels with and without concrete alignment, continuous vibrations of 0.5 inches per second PPV can be damaging.

State

California's Civil Code Section 832 protects adjacent properties when excavation of a site occurs.

> *Each coterminous owner is entitled to the lateral and subjacent support which his land receives from the adjoining land, subject to the right of the owner of the adjoining land to make proper and usual excavations on the same for purposes of construction or improvement, under the following conditions:*
>
> *1. Any owner of land or his lessee intending to make or to permit an excavation shall give reasonable notice to the owner or owners of adjoining lands and of buildings or other structures, stating the depth to which such excavation is intended to be made, and when the excavating will begin.*
>
> *2. In making any excavation, ordinary care and skill shall be used, and reasonable precautions taken to sustain the adjoining land as such, without regard to any building or other structure which may be thereon, and there shall be no liability for*

damage done to any such building or other structure by reason of the excavation, except as otherwise provided or allowed by law.

3. If at any time it appears that the excavation is to be of a greater depth than are the walls or foundations of any adjoining building or other structure, and is to be so close as to endanger the building or other structure in any way, then the owner of the building or other structure must be allowed at least 30 days, if he so desires, in which to take measures to protect the same from any damage, or in which to extend the foundations thereof, and he must be given for the same purposes reasonable license to enter on the land on which the excavation is to be or is being made.

4. If the excavation is intended to be or is deeper than the standard depth of foundations, which depth is defined to be a depth of nine feet below the adjacent curb level, at the point where the joint property line intersects the curb and if on the land of the coterminous owner there is any building or other structure the wall or foundation of which goes to standard depth or deeper then the owner of the land on which the excavation is being made shall, if given the necessary license to enter on the adjoining land, protect the said adjoining land and any such building or other structure thereon without cost to the owner thereof, from any damage by reason of the excavation, and shall be liable to the owner of such property for any such damage, excepting only for minor settlement cracks in buildings or other structures.

Caltrans has identified building damage significance guidance that provides thresholds for different categories of structures, including historic buildings that may not be considered extremely fragile (Table 2).

Table 2
Caltrans Vibration Damage Potential Threshold Criteria

Structure and Condition	Significance Thresholds (in/sec PPV)	
	Transient Sources	Continuous/ Frequent/ Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5
Source: California Department of Transportation, 2013.		

City of Los Angeles. The Los Angeles Municipal Code (LAMC) governs construction-related vibration issues and public notification. LAMC Section 91.3307 adopts the California Building Code's regulations Section 3307, protecting adjoining property and includes the following subsection.

SEC.91.3307.1. PROTECTION REQUIRED.

"Adjoining public and private property shall be protected from damage during construction, remodeling and demolition work. Protection must be provided for footings, foundations, party walls, chimneys, skylights and roofs. Provisions shall be made to control water runoff and erosion during construction or demolition activities.

For excavations, adjacent property shall be protected as set forth in Section 832 of the Civil Code of California.

Prior to the issuance of any permit, which authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the site shall provide the Department of Building and Safety with evidence that the adjacent property owner or owners have been given a 30-day written notice of the intent to excavate. This notice shall state the depth to which the excavation is intended to be made and when the excavation will commence. This notice shall be by certified mail, return receipt requested."

LAMC addresses how underpinning is designed, ensuring that temporary shoring standards protect the integrity of soils under adjacent properties while allowing for incremental stressing. LAMC Section 91.3307.2.1 states that "[i]n constructing underpinning, all portions of the structure shall be supported so that no structural material is stressed beyond the yield point."

LAMC Section 91.3307.2.2 addresses closure of open spaces in foundations, requiring that "[a]*ll spaces between the existing footing and the underpinning shall be packed full of mortar conforming to the provisions of CBC Section 2103 and having no slump when tested by the method specified in ASTM C 143."*

LAMC Section 91.3307 regulates structural protections for adjoining property, including underpinning and lateral support requirements.

LAMC Sections 91.3307.3.1 and 91.3307.3.2 address issues relating to adjacent properties.

SEC.91.3307.3.1. GENERAL (TEMPORARY EXCAVATIONS AND SHORING).

Excavations shall not remove the lateral support from a public way, from an adjacent property or from an existing structure. For the purpose of this section, the lateral support shall be considered to have been removed when any of the following conditions exist:

1. The excavation exposes any adverse geological formations, which would affect the lateral support of a public way, an adjacent property or an adjacent structure.

2. The excavation extends below a plane extending downward at an angle of 45 degrees from the edge of the public way or an adjacent property."

Exception: Normal footing excavations not exceeding two feet in depth will not be construed as removing lateral support.

3. The excavation extends below a plane extending downward at an angle of 45 degrees from the bottom of a footing of an existing structure.

SEC.91.3307.3.2. REMOVAL OF LATERAL SUPPORT.

Approval of the Department of Public Works shall be obtained prior to the issuance of a permit for any excavation that would remove the lateral support from a public way.

The slopes of excavations adjacent to an existing structure, an adjacent property or public way may exceed one horizontal to one vertical where either:

1. A soil report recommending that the slope may be in excess of one to one has been approved by the Department and the Department of Public Works when the excavation is adjacent to a public way.

When justified by the soils engineer, the Department may approve the use of the proposed building and/or shoring to support an adjacent structure on an adjoining property in lieu of underpinning, provided:

(i) Evidence is submitted that the adjoining property owner has been notified in advance of the proposed excavation in compliance with Section 832 of the Civil Code of California.

(ii) The owner of the site records a sworn affidavit with the Office of the County Recorder, which will inform future owners of the site that the lateral support of a portion of the building footings on the adjoining property is provided by the subterranean walls of the building on the site.

2. Underpinning is designed to support adjacent structures, temporary shoring is designed to support the excavation, and plans are approved and permits are issued by the Department.

Temporary shoring shall be designed for an earth pressure equivalent to that exerted by a fluid weighing not less than 30 pounds (13 kg) per cubic foot plus all surcharge loads or as recommended by a soils engineer and approved by the Department.

Soils bearing values shall be those specified in Division 18, Article 1, Chapter IX of the LAMC or those recommended by a soils engineer and approved by the Department.

The design of the required temporary shoring and necessary underpinning shall include a sequence of construction and installation.

Allowable stresses used in the design of temporary shoring may be increased 33-1/3% for structural and reinforcing steel and 25% for wood. No increase will be permitted for concrete. Other values shall be those prescribed by this Code.

Methodology

Construction Vibration. Ground-borne vibration impacts during construction activities were evaluated for both on-site and off-site construction activities by identifying potential vibration sources (e.g., construction equipment), estimating the vibration levels at off-site structures, and comparing the proposed impacts against applicable vibration significance thresholds.

Operational Vibration. As with many non-industrial projects, the Proposed Project does not include land uses that would generate high levels of ground-borne vibration. Instead, any vibration related to operation of the Proposed Project would involve vehicle activity traveling to and from the Project Site. However, vibration from vehicle activities using rubber-tired wheels is unlikely to be perceptible by people. Rubber-tired vehicles traveling at a distance of 50 feet typically generate groundborne vibration of approximately 63.5 VdB.[3] The typical threshold of perception for groundborne vibration is approximately 65 VdB.[4] As such, operational impacts on ground-borne vibration are not analyzed further.

Threshold of Significance

Groundborne Vibration Thresholds. There are no adopted City standards or other applicable regulations that would govern the Project's vibration impacts. In assessing impacts related to noise and vibration in this section, the City uses Appendix G as the thresholds of significance. The FTA's criteria in its 2018 Transit Noise and Vibration Impact Assessment manual will be used where applicable and relevant to assist in analyzing the Appendix G thresholds. In addition, Caltrans' thresholds for historic buildings will be used when structures are not Category IV structures considered extremely susceptible to vibration damage.

Existing Conditions

Existing Ambient Vibration Levels

The Project Site is currently vacant of any improvements. As such, there are no sources of groundborne vibration on the Project Site.

The primary source of groundborne vibration near the Project Site is vehicle travel. For example, Sunset Boulevard carries 3,250 and 3,122 vehicles at Beaudry Avenue in the A.M. and P.M. peak hours, respectively.[5] The blend of passenger vehicles, trucks, delivery trucks, transit buses, and other light-, medium-, and heavy-duty vehicles that travel this and other local roadways generate minimal levels of vibration. As noted by federal guidance, "[i]t is unusual for vibration from sources

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3 Federal Transportation Administration, Transit Noise and Vibration Impact Assessment Manual; Generalized Ground Surface Vibration Equations (Table 6-10); September 2018.

4 Ibid.

5 Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; October 2023.

such as buses and trucks to be perceptible…"[6] As such, vehicle movement generates imperceptible ground vibration, with the occasional exception of heavy-duty vehicles that travel over speed bumps, potholes, and other street irregularities.

There are several buildings near the Project Site that could be exposed to groundborne vibration during construction and operation of the proposed development that include:

- Residential Structures, Everett Street (west side); one- and two-story structures as close as five feet east of the Project Site. These homes and structure would be considered Category III structures (non-engineered timber and masonry) under FTA guidelines.

- Residential Structures, 1251 Sunset Boulevard; five feet north of the Project Site. These bungalow structures would be considered Category III structures (non-engineered timber and masonry) under FTA guidelines.

- Residential and Commercial Structures, Sunset Boulevard (west side) as close as 100 feet west of the Project Site. These residences and commercial structures would be considered Category III structures (non-engineered timber and masonry) under FTA guidelines.

Analysis of Project Impacts

a. Generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact.

Construction

Building Damage Vibration Impact – On-Site Sources

Construction equipment can produce groundborne vibration based on equipment and methods employed. While this spreads through the ground and diminishes in strength with distance, buildings on nearby soil can be affected. This ranges from no perceptible effects at the lowest levels, low rumbling sounds and perceptible vibration at moderate levels, and slight damage at the highest levels. Table 3 summarizes vibratory levels for common construction equipment.

Table 3
Vibration Source Levels for Construction Equipment

Equipment	Approximate PPV at 25 feet (in/sec)
Pile Driver (impact)	0.644
Pile Drive (sonic)	0.170
Clam shovel drop (slurry wall)	0.202
Hydromill (slurry wall)	0.008
Vibratory Roller	0.210

[6] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, September 2018.

Hoe Ram	0.089
Large Bulldozer	0.089
Caisson Drilling	0.089
Loaded Truck	0.076
Jackhammer	0.035
Small Bulldozer	0.003
Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018.	

Groundborne vibration would be generated by a number of construction activities at the Project site. As a result of equipment that could include on-site bulldozer operations or the vibrational equivalent, vibration velocities of up to 0.191 inches per second PPV are projected to occur at all three structures. These impacts are below the 0.2 in/sec PPV thresholds of significance for Category III structures. Other potential construction activities would produce less vibration and have lesser potential impacts on nearby sensitive receptors. As a result, construction-related structural vibration impacts would be considered less than significant.

Table 4
Building Damage Vibration Levels – On-Site Sources

Off-Site Receptor Location	Distance to Project Site (feet)	Vibration Velocity Levels at Off-Site Sensitive Receptors from Construction Equipment (in/sec PPV)					Significance Criterion (PPV)	Potentially Significant Impact?
		Large Bulldozer	Caisson Drilling	Loaded Trucks	Jack-hammer	Small Bulldozer		
FTA Reference Vibration Level (25 Feet)	N/A	0.089	0.089	0.076	0.035	0.003	--	--
Residential Structures, Everett St.	15	0.191	0.191	0.164	0.075	0.006	0.20[a]	No
Residential Structures, 1251 Sunset Bl.	15	0.191	0.191	0.164	0.075	0.006	0.20[a]	No
Residential and Commercial Structures, Sunset Bl. (west side)	110	0.020	0.020	0.017	0.008	0.001	0.20[a]	No
[a] FTA criterion for Category III (non-engineered timber and masonry buildings) Includes ten feet of buffer from Project Site property line to allow for equipment maneuverability. Source: DKA Planning, 2022.								

Construction of the Project would protect adjacent properties during the excavation process by complying with California Civil Code Section 832. It would also comply with LAMC Section 91.3307 and applicable subsections that govern the protection of adjoining property.

Building Damage Vibration Impact – Off-Site Sources

Construction of the Project would generate trips from large trucks including haul trucks, concrete mixing trucks, concrete pumping trucks, and vendor delivery trucks. Regarding building damage,

based on FTA data, the vibration generated by a typical heavy-duty truck would be approximately 63 VdB (0.006 PPV) at a distance of 50 feet from the truck.[7] According to the FTA "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." Nonetheless, there are buildings along the Project's anticipated haul route on Sunset Boulevard, Beaudry Avenue, Temple Street, and other local roadways to the US-101 that are situated away from the right-of-way and would be exposed to groundborne vibration levels of approximately 0.006 PPV. This estimated vibration generated by construction trucks traveling along the anticipated haul route(s) would be well below the most stringent building damage criteria of 0.12 PPV for buildings extremely susceptible to vibration. The Project's potential to damage roadside buildings and structures as the result of groundborne vibration generated by its truck trips would therefore be considered less than significant.

Operation

During operation of the commercial development, there would be no significant stationary sources of groundborne vibration, such as heavy equipment or industrial operations. Operational groundborne vibration in the Project Site's vicinity would be generated by its related vehicle travel on local roadways. However as previously discussed, road vehicles rarely create vibration levels perceptible to humans unless road surfaces are poorly maintained and have potholes or bumps. As a result, the Project's long-term vibration impacts would be less than significant.

Cumulative Impacts

Construction

On-Site Construction Vibration

During construction of the Project, vibration impacts are generally limited to buildings and structures located near the construction site (i.e., within 15 feet as related to building damage). As noted earlier, the Project's potential to damage nearby buildings is less than significant. However, nearby structures could be subject to cumulative vibration impacts if concurrent construction and vibration activities were to occur within close proximity. Any such projects would need to limit or avoid use of pile drivers or other impacting equipment for any shoring of structures.

There are nine potential related projects identified by the City of Los Angeles within 0.5 miles of the Proposed Project (Table 5).[8] Of these, two are completed (Nos. 1 and 4) and one (No. 3) is under construction and would be completed and operational by the time the Project breaks ground in 2025.

[7] Federal Transit Administration, "Transit Noise and Vibration Impact Assessment," May 2006, Figure 7-3.

[8] City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023.

Table 5
Related Projects Within 0.5 Miles of Project Site

#	Address	Distance from Project Site	Use	Size	Status
1	418 Firmin Street	1,450 feet southwest	Apartments	64 units	Completed in 2022.
2	2000 Stadium Way	2,050 feet north	Medical	80,545 sf	To be constructed.
3	1013 Everett Street	150 feet north	Apartments	49 units	Framed as of 2023.
4	1246 Court Street	2,225 feet southwest	Apartments	54 units	Completed in 2021.
5	765 College Street	1,775 feet east	Medical	100,000 sf 62 beds	To be constructed.
6	1274 Sunset Blvd	240 feet northwest	Hotel Restaurant	8 rooms 1,470 sf	To be constructed.
7	1275 Sunset Blvd	260 feet north	Apartments	77 units	To be constructed.
8	1111 Sunset Blvd	275 feet south	Apartment Hotel Office Commercial	737 units 180 rooms 48,000 sf 95,000	To be constructed.
9	1251 Sunset Blvd	5 feet north	Apartment	74 units	To be constructed.

Source: Related Projects List, Related Projects Summary from Case Logging and Tracking System Los Angeles Department of Transportation, February 3, 2023.

As illustrated in Table 5, all potential related projects are over 150 feet away from the Project Site with no possibility of cumulative impacts on any of the same sensitive receptors, except for No. 9 (1251 Sunset), which is 5 feet north of the Site. This location was also considered a sensitive receptor since it contains existing residential buildings that are vacant but could be re-occupied. As shown in Table 4 above, this location would not be subject to vibration impacts that exceed the threshold for building damage. As noted above, vibration impacts are limited to within 15 feet of the source of vibration. With the necessary distance for equipment manueverability, the sources of vibration would be 15 feet from any sensitive receptor. As such, there are no identified or reasonably foreseeable related projects that could generate cumulative vibration impacts when the Proposed Project begins construction in late 2024. As such, there is no potential for a cumulative construction vibration impact that subjects nearby buildings to vibration levels that exceed the FTA's vibration damage criteria.

Off-Site Construction Vibration

While haul trucks from any related projects and other concurrent construction projects could generate additional vibration along haul routes, the potential to damage buildings is extremely low. The FTA finds that "[i]t is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads." The vibration generated by a typical heavy truck would be approximately 0.00566 in/sec PPV at a distance of 50 feet.

As discussed above, there are buildings near the right- of-way of the anticipated haul route for the Project (e.g., Sunset Boulevard, Beaudry Avenue). These buildings are anticipated to be exposed to groundborne vibration levels that are far less than the levels recommended by FTA as potential thresholds for building damage. Trucks from any related projects that would contribute truck trips to Sunset Boulevard, Beaudry Avenue, and other streets along the Project's haul route are expected

to generate similar groundborne vibration levels. Therefore, the vibration levels generated from off-site construction trucks associated with the Project and other related projects along the anticipated haul route(s) would be below the most stringent building damage threshold of 0.12 PPV for buildings extremely susceptible to vibration. Therefore, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant.

Summary of Cumulative Construction Vibration Impacts

Due to the rapid attenuation characteristics of groundborne vibration and the proximity of major development proposed in the Victor Heights and Angelino Heights neighborhoods, there is no potential for a cumulative construction vibration impact with respect to building damage associated with groundborne vibration from on-site sources. In addition, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant. Therefore, on-site and off-site construction activities associated with the Project and one or more potential related projects would not generate excessive groundborne vibration levels with respect to building damage.

Operation

The Project Site and surrounding Sunset Boulevard corridor have been developed with commercial, residential, and other uses that will continue to generate minimal groundborne vibration. Similar to the Project, any related projects in the vicinity of the Project Site could generate vibration from ongoing day-to-day operations. However, given the commercial and residential zoning along Sunset Boulevard, and adjacent residential neighborhoods, any related projects would not be typically associated with excessive groundborne vibration from on-site sources. However, each project would produce traffic volumes that are capable of generating roadway vibration impacts.

On-Site Operation Vibration

During operation of the Project, vibration impacts are generally limited to buildings and structures located near the construction site (i.e., within 15 feet as related to building damage). In general, related projects in this corridor would be commercial retail, hotel, or residential land uses that do not operate impact equipment and operations and would not generate substantial vibration. As a result, operation of new cumulative development in the area would have no potential to exceed FTA vibration damage standards at off-site receptors.

Off-Site Operation Vibration

Like the Project, any concurrent development near the Project Site would contribute normal passenger vehicle traffic that would generate negligible changes to roadway vibration. Use of larger heavy-duty trucks for delivery of goods and materials would be intermittent and not result in significant, cumulative increases in groundborne vibration on Sunset Boulevard other local roadways. Therefore, potential cumulative vibration impacts with respect to building damage from off-site operations would be less than significant.

Summary of Operational Construction Vibration Impacts

Due to the rapid attenuation characteristics of groundborne vibration and the proximity of major development proposed in this part of the Hollywood community, there is no potential for a cumulative operations vibration impact with respect to building damage associated with groundborne vibration from on-site sources. In addition, potential cumulative vibration impacts with respect to building damage from off-site construction would be less than significant. Therefore, on-site and off-site operations activities associated with the Project and one or more potential related projects would not generate excessive groundborne vibration levels with respect to building damage.

TECHNICAL APPENDIX

DouglasKim+Associates,LLC

Sunset & Everett Project

Construction Vibration

Receptor: Residential Structures, Everett St.
Equipment: Large Bulldozer, Auger Drill Rig

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.191**

Receptor: Residential Structures, Everett St.
Equipment: Loaded Trucks

Source PPV (in/sec)	0.076
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.164**

Receptor: Residential Structures, 1251 Sunset Bl.
Equipment: Large Bulldozer, Auger Drill Rig

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.191**

Receptor: Residential Structures, 1251 Sunset Bl.
Equipment: Loaded Trucks

Source PPV (in/sec)	0.076
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.164**

Receptor: Residential and Commercial Structures, Sunset Bl.
Equipment: Large Bulldozer, Auger Drill Rig

Source PPV (in/sec)	0.089
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	110
Vibration Level (in/sec)	**0.020**

Receptor: Residential and Commercial Structures, Sunset Bl. (west side)
Equipment: Loaded Trucks

Source PPV (in/sec)	0.076
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	110
Vibration Level (in/sec)	**0.017**

Sunset & Everett Project

Receptor: Residential Structures, Everett St.
Equipment: Small Dozer-Type Equipment

Source PPV (in/sec)	0.003
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.006**

Receptor: Residential Structures, Everett St.
Equipment: Jackhammer

Source PPV (in/sec)	0.035
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.075**

Receptor: Residential Structures, 1251 Sunset Bl.
Equipment: Small Dozer-Type Equipment

Source PPV (in/sec)	0.003
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.006**

Receptor: Residential Structures, 1251 Sunset Bl.
Equipment: Jackhammer

Source PPV (in/sec)	0.035
Reference Distance (ft)	25
Ground Factor (N)	1.5
Distance (ft)	15
Vibration Level (in/sec)	**0.075**

Receptor: Residential and Commercial Structures, Sunset Bl.
Equipment: Small Dozer-Type Equipment

Source PPV (in/sec)	0.003
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	110
Vibration Level (in/sec)	**0.001**

Receptor: Residential and Commercial Structures, Sunset Bl. (west side)
Equipment: Jackhammer

Source PPV (in/sec)	0.035
Reference Distance (ft)	25
Ground Factor (N)	1
Distance (ft)	110
Vibration Level (in/sec)	**0.008**

Sources

California Department of Transportation (Caltrans), *Transportation and Construction Vibration Guidance Manual*,
Federal Transit Administration (FTA), *Transit Noise and Vibration Impact Assessment*, September 2018

LOS ANGELES POLICE DEPARTMENT

MICHEL R. MOORE
Chief of Police

Karen Bass
Mayor

P.O. Box 30158
Los Angeles, CA 90030
Telephone: (213) 486-0150
TTY: (877) 275-5273
Ref #:11.3

December 7, 2023

Sherrie Cruz
9410 Topanga Canyon Blvd, Suite 101
Chatsworth, CA 91311

Dear Sherrie Cruz : [ENV-0000-0000-EIR]

The proposed, "Sunset and Everett Project," is located at 1185-1247 West Sunset Boulevard, and 917 North Everett Street, Los Angeles, CA 90026. The project location is in Reporting District (RD) 0101. This RD falls within the geographical boundaries of the Los Angeles Police Department's (LAPD) Central Area. A project of this size could have an impact on police services within Central Area. The Department is available for advisement on crime prevention features appropriate for the design of the properties within the project.

Upon completion of the project, it is encouraged that the Commanding Officer of Central Community Police Station be provided with a diagram copy of each portion of the property. Central Community Police Station's Commanding Officer is Captain III Raul Jovel. Central Community Police Station is located at 251 East 6th Street, Los Angeles, CA 90028 (RD 0155). Captain Jovel phone number is (213) 833-3703. The diagram should include access routes and any additional information that might facilitate or impact police response.

Should you have any further questions, please contact Police Officer III Alfonso Velasco, Public Engagement Section, Office of Operations, Crime Prevention Through Environmental Design, at (213) 486-6000 or via e-mail at CPTED@lapd.online.

Respectfully,

MICHEL R. MOORE
Chief of Police

GISSELLE ESPINOZA, Commander
Department Homeless Coordinator
Office of Operations

The following report was prepared for the "Sunset and Everett Project" in accordance with Section 15083 of the California Environmental Quality Act (CEQA).

Project Location / Description:

The "Sunset and Everett Project" site is located at located at 1185-1247 West Sunset Boulevard, and 917 North Everett Street, Los Angeles, CA 90026 . This project will be constructed within the boundaries of the City of Los Angeles and located in LAPD's Central area. Some of the communities in this area are Bunker Hill/Historic Core, Central City East, Chinatown, Civic Center, Downtown Los Angeles, Fashion District, Jewelry District, Little Tokyo, Solano Canyon, South Park-Entertainment, Toy District, Old Bank District, Artists' Lofts, Financial District. (LAPD's Operations Central Bureau).

A summarization of this project's Environmental Impact Report (E.I.R.) is to identify and assess the project's potential impact on public quality of life issues and concerns. This is in accordance with Section 15083 of the California Environmental Quality Act (CEQA). This E.I.R. will also address the project's potential impact on police protection services, the resources needed, the resources available and the impact these services and resources will have on the immediate community.

Purpose of Proposed Project:

The proposed "Sunset and Everett Project" site will construct a mixed-use residential and commercial development with 327 residential units.

Project Distance and Times:

The1185-1247 West Sunset Boulevard, and 917 North Everett Street, Los Angeles, CA 90026 . Addresses are approximately 2.4 miles and 13 minutes from the Central Community Police Station. These distances and times were calculated from a departure point starting from the Central Community Police Station. These arrival times were configured utilizing some traffic delays. Estimated times of arrival can vary depending on divisional call load, time of the day, traffic delays and types of calls being responded to.

The reporting district for Central Community Police Station is RD 0155. Their phone number is (213) 486-9819.

Divisional Geographic's / Demographics:

Central Community Police Station's geographical area of patrol is approximately 4.5 square miles. It consists of 48 Reporting Districts. The service boundaries for Central Station are as follows:

To the ***West*** is Los Angeles Street;

To the ***North*** 5th Street;

To the ***East*** Wall Street;

To the ***South*** is 6th Street;

The proposed, " Sunset and Everett Project", will be in ***RD 0101*** *(Los Angeles Police Department's Central Division).* The borders for ***RD 0101*** are as follows:

Reporting District 0101

To the ***West*** is Sunset Boulevard;

To the ***North*** is Vin Scully Ave;

To the ***East*** is the 110 Pasadena Freeway;

To the ***South*** is the 110 Pasadena Freeway ;

Central Division

Central Division has approximately 345 sworn personnel and 17 civilian support staff. Central staffing consists of two Captains, Four Lieutenants, 23 Detectives, 41 Sergeants, 275 Police Officers and 15 Civilian employees.

Some points of interest that Central area of Los Angeles offers is Bunker Hill/Historic Core, Central City East, Chinatown, Civic Center, Downtown Los Angeles, Fashion District, Jewelry District, Little Tokyo, Solano Canyon, South Park-Entertainment, Toy District, Old Bank District, Artists Lofts, Financial District

The residential population in the Central area is estimated at 40,000 people, plus or minus (WIKIPEDIA and Los Angeles Almanac). The officer to resident ratio is 1 officer for every 115 residents (115:1). This is a given residential impact for a 4.5 square mile area. This population amount does not reflect citizens from outside the area visiting local businesses, churches, residences and educational institutions.

The Los Angeles Police Department

The Los Angeles Police Department currently has 8,940 sworn personnel and 2,817 civilian employees. These city police employees cater to a Los Angeles City population of approximately 3,985,516. This city population amount is current as of October 1, 2021 (according to 2010-2020 American Community Survey and the 2020 US Census for year 2020).

Additionally, this amount does not include all residents and non-residents, but only reflects those individuals that responded to the 2020 Census.

This population equates to a resident to officer ratio of 445 residents for every 1 officer (445:1). The 3,985,516-population amount depicts a firm registered value of population for the City of Los Angeles. However, this number can also be fluid.

The ethnic breakdown of the City of Los Angeles, according to the 2010-2020 American Community Survey and Wikipedia is:

- 46.9% Hispanic / Latin
- 28.9% White (Non-Hispanic)
- 11.7% Asian
- 8.3% Black / African American
- 0.73% Native American
- 0.16% Native Hawaiian / Pacific Islander
- 3.4% Other/two or more races

Divisional Support and Communication:

There are many specialized support units, divisions, sections and services available to Central Division within the LAPD (i.e., Air Support, Detectives, Bike Unit, K9 and Metro / SWAT) to support any additional policing needs Central Division may encounter. These services are available to supplement and complement Central area policing. In utilizing these available resources, the Los Angeles Police Department can meet the demanded needs of police services for the Sunset and Everett Project.

Central Community Police Station's emergency response system is directly linked to the Los Angeles Police Department's Communication and Dispatch Center. Communication Division has the responsibility to staff this Dispatch Center. The staff are incident trained personnel that will respond to radioed and telephoned calls for service. They would then dispatch these requests to the proper emergency and non-emergency personnel required or requested. Then they would provide the city personnel involved with the necessary information to execute their duties for any given incident.

These operations are performed on a 24 hour a day, 7 days a week, 365 days a year basis. This includes 911 emergency calls (police, fire and medical). In referencing Communication Division, their main area of concentration is the dispatching and follow-up of police calls for service. Communication Division's "Emergency Operations Center" (EOC / DOC), also works in concert with the Los Angeles Fire Department's (LAFD) "Metropolitan Fire Communications Center" (MFC). Additional emergency response entities that Communication Division interacts with are, but not limited to, is the Los Angeles County Fire Department (LACOFD), the Los Angeles County Sheriff's Department (LASD) and other regional city police and fire agencies. This interaction is performed to ensure coordinated responses to all emergencies and incidents that occur, will occur or have occurred in Los Angeles City and Los Angeles County regions.

Divisional and Citywide Response Times:

According to the Los Angeles Police Department's Computer Statistics (COMPSTAT) Division, the average police response time to emergency, high priority calls in the Central Area (Code 3 calls) was 3.4 minutes. This was done with a dispatch median time of 1.7 minutes. The medium high priority response time (Code 2) was 16.9 minutes. This was done with a dispatch median time of 10.8 minutes. Low priority, non-emergency response times, was 43.5 minutes. These low priority calls had a dispatch median time of 29.9 minutes.

Citywide response times during this same 4-week period was 4.7 minutes for emergency, high priority calls. The dispatch median time was 1.5 minutes. The medium high (Code 2 calls) priority response times were 17.0 minutes with a dispatch time of 5.5 minutes. Low priority response times were 34.8 minutes with a dispatch time of 15.5 minutes.These response times were taken from the statistics submitted by Central Division to "COMPSTAT", for a 4-week period between September 24, 2023 through October 21, 2023. During this same 4-week period, Central Division answered 476 emergency calls for service, 1,930 medium high priority calls and 959 low priority calls.

Citywide, for the same 4-week period, the Los Angeles Police Department answered 7,187 emergency calls for service, 27,855 medium high priority calls and 19,855 low priority calls. The response times stated are adequate performance times for this police division.

Statistics:

The following is one month of crime statistics for RD 0101 (Sunset and Everett Project) and Central Division 5-year crime statistics for the years 2019-2023. Also included are Citywide crime statistics, broken down by month for the same period.

Central Division Crime YTD and 5-year totals	**2023** (as of October)	**2022**	**2021**	**2020**	**2019**	**Crime in RD 0101** **09-24-2023 / 10-21-2023**
Violent Crime	2036	2546	2367	1963	2013	1
Property Crime	6613	8724	5708	4576	5893	14
Homicide	24	27	25	21	17	0
Rape	111	122	146	124	161	0
Robbery	616	823	806	563	724	1
Aggravated Assault	1285	1574	1390	1255	1111	0
Burglary	506	635	538	617	359	0
Motor Vehicle Theft	1087	1286	859	611	420	7
Burglary Theft from Vehicle	2577	3711	2202	1625	1789	4
Personal / Other Theft	2443	3092	2109	1723	3325	3

Supplemental Divisions, 5-year crime totals. This graph left blank intentionally:

Division --- Crime YTD and 5-year totals	**2022**	**2021**	**2020**	**2019**	**2018**	**Crime in RD 0000 0-0-2022 / 0-0-2022**
Violent Crime	--	--	--	--	--	--
Property Crime	--	--	--	--	--	--
Homicide	--	--	--	--	--	--
Rape	--	--	--	--	--	--
Robbery	--	--	--	--	--	--
Aggravated Assault	--	--	--	--	--	--
Burglary	--	--	--	--	--	--
Motor Vehicle Theft	--	--	--	--	--	--
Burglary Theft from Vehicle	--	--	--	--	--	--
Personal / Other Theft	--	--	--	--	--	--

Citywide 5-year crime totals:

Citywide Crime Statistics Crime YTD and 5-year totals	**2023** (as of October)	**2022**	**2021**	**2020**	**2019**	**Crime in RD 0000 00-00-2022 / 00-00-2022**
Violent Crime	25012	30927	30529	28465	29001	--
Property Crime	86027	102071	92091	86612	95211	--
Homicide	272	383	402	355	258	--
Rape	1100	1412	1563	1541	1864	--
Robbery	7111	9100	8497	8014	9636	--
Aggravated Assault	16529	20032	20067	18555	17243	--
Burglary	12187	14785	13007	13750	13672	--
Motor Vehicle Theft	21408	25901	24555	21462	15722	--
Burglary Theft from Vehicle	24614	31997	29640	27637	31105	--
Personal / Other Theft	27818	29388	24889	23763	34662	--

Divisional year totals, month to month:

2023 Central Crime Statistics	Violent Crimes	Property Crimes	Homicide	Rape	Robbery	Aggravated Assault	Burglary	Motor Vehicle Theft	Burglary Theft from Vehicle	Personal/Other Theft
JAN	151	685	3	8	45	95	42	39	365	209
FEB	335	1362	8	14	100	213	86	161	651	464
MAR	529	1953	9	24	162	334	127	256	127	721
APR	763	2655	11	36	233	483	177	400	1082	996
MAY	957	3226	13	45	287	612	228	494	1285	1219
JUN	1159	3807	15	57	339	748	275	598	1517	1417
JUL	1402	4546	19	77	408	898	330	720	1789	1707
AUG	1596	5197	21	88	477	1010	378	831	2050	1938
SEP	1838	5968	22	98	556	1162	456	964	2349	2199
OCT	2036	6613	24	111	616	1285	506	1087	2577	2443
NOV	--	--	--	--	--	--	--	--	--	--
DEC	--	--	--	--	--	--	--	--	--	--

Citywide year totals, month to month:

2023 City Wide Crime Statistics	Violent Crimes	Property Crimes	Homicide	Rape	Robbery	Aggravated Assault	Burglary	Motor Vehicle Theft	Burglary Theft from Vehicle	Personal/Other Theft
JAN	1953	6738	19	78	588	1268	1017	1769	2282	1670
FEB	4106	14926	39	163	1182	2722	2088	3650	4971	4217
MAR	6199	22753	55	261	1771	4112	3213	5547	7272	6721
APR	8967	32583	91	381	2573	5922	4659	7744	10176	10004
MAY	11305	40925	106	496	3196	7507	5685	9584	12504	13151
JUN	13582	48782	137	598	3857	8990	6787	11535	14658	15802
JUL	16870	58794	175	737	4732	11226	8254	14186	17298	19056
AUG	19427	67135	203	846	5465	12913	9544	16380	19507	21793
SEP	22533	77773	235	989	6388	14921	11017	19119	22412	25225
OCT	25012	86027	272	1100	7111	16529	12187	21408	24614	27818
NOV	--	--	--	--	--	--	--	--	--	--
DEC	--	--	--	--	--	--	--	--	--	--

Central Area

5 Year Comparison Report
Weeks Ending: October 28, 2023

CRIME	2023	2022	% CHG	2022	2021	% CHG	2021	2020	% CHG	2020	2019
Homicide	24	21	[illegible]	21	21	0.0%	21	18	[illegible]	18	13
Rape(121,122,815,820,821)	111	109	[illegible]	109	125	-12.8%	125	106	[illegible]	106	135
Robbery	616	702	-12.3%	702	641	[illegible]	641	474	[illegible]	474	590
Aggravated Assault*	1285	1315	-2.3%	1315	1152	[illegible]	1152	1055	[illegible]	1055	916
Total Violent Crimes	**2036**	**2147**	**-5.2%**	**2147**	**1939**	[illegible]	**1939**	**1653**	17.3%	**1653**	**1654**
Burglary	506	527	-4.0%	527	431	[illegible]	431	524	-17.7%	524	292
Motor Vehicle Theft	1087	1081	[illegible]	1081	658	[illegible]	658	474	[illegible]	474	328
BTFV	2577	2967	-13.1%	2967	1641	[illegible]	1641	1368	[illegible]	1368	1406
Personal/Other Theft	2443	2622	-6.8%	2622	1672	[illegible]	1672	1448	[illegible]	1448	2777
Total Property Crimes	**6613**	**7197**	**-8.1%**	**7197**	**4402**	[illegible]	**4402**	**3814**	[illegible]	**3814**	**4803**

Citywide

5 Year Comparison Report
Weeks Ending: October 28, 2023

CRIME	2023	2022	% CHG	2022	2021	% CHG	2021	2020	% CHG	2020	2019
Homicide	272	337	-19.3%	337	330	[illegible]	330	286	[illegible]	286	222
Rape(121,122,815,820,821)	1100	1302	-15.5%	1302	1358	-4.1%	1358	1355	[illegible]	1355	1602
Robbery	7111	7725	-7.9%	7725	6778	[illegible]	6778	6640	[illegible]	6640	7938
Aggravated Assault*	16529	17173	-3.8%	17173	16816	[illegible]	16816	15344	[illegible]	15344	14405
Total Violent Crimes	**25012**	**26537**	**-5.7%**	**26537**	**25282**	[illegible]	**25282**	**23625**	[illegible]	**23625**	**24167**
Burglary	12187	12135	[illegible]	12135	10562	[illegible]	10562	11359	-7.0%	11359	11176
Motor Vehicle Theft	21408	21902	-2.3%	21902	19551	[illegible]	19551	17627	[illegible]	17627	12790
BTFV	24614	26093	-5.7%	26093	23931	[illegible]	23931	22938	[illegible]	22938	25392
Personal/Other Theft	27818	24462	[illegible]	24462	20031	22.1%	20031	19769	[illegible]	19769	28794
Total Property Crimes	**86027**	**84592**	**1.7%**	**84592**	**74075**	**14.2%**	**74075**	**71693**	[illegible]	**71693**	**78152**

There are no planned improvements to the Central Area Community Police Station and or it's protection facilities currently. These planned project improvements and or non-planned improvements are intended only for the service areas of the "Sunset and Everett Project" site.

Additionally, at this time, there are no special police protection requirements needed by law enforcement because of the specific attributes of the Sunset and Everett Project.

The Sunset and Everett Project, individually or combined with other past or present projects, will not result in the need for new or altered police facilities.

This concludes the Sunset and Everett Project , Environmental Impact Report. If there are any further questions regarding this report, please email them to CPTED @ land.online for the fastest response time.

Thank You for your patience,

Prepared by:

Officer Alfonso Velasco, CPD
Los Angeles Police Department
Public Engagement Section
Crime Prevention Through Environmental Design

100 West 1st Street, RM 250
Los Angeles, CA. 90012
E-mail: CPTED @ land.online
213-486-6000

LOS ANGELES UNIFIED SCHOOL DISTRICT
Facilities Services Division

January 11, 2024

Sherrie Cruz
CAJA Environmental Services, LLC
9410 Topanga Canyon Blvd, Suite 101
Chatsworth, CA 91311

Re: Sunset and Everett Project

Dear Ms. Cruz,

In response to your request for information, please find a ***LAUSD Schools Enrollments and Capacities Report*** for the schools and programs serving the Sunset and Everett Project, 1185-1199 Sunset Boulevard, Los Angeles, CA 90012, 1201-1247 West Sunset Boulevard and 917 North Everett Street, Los Angeles, CA 90026. The project is planned to construct 327 residential units, (286 market-rate units and 41 affordable units), including retail/commercial use. This project includes 13 studio units, 230 1-bedroom units, 79 2-bedroom units, and 5 3-bedroom units. At this time reporting is based on individual project address, without reporting on the combined impacts of other project addresses served by the same schools. This report contains the most recent data available on operating capacities and enrollments, and is designed to address any questions pertaining to overcrowding and factors related to school capacity. All schools operate on single track calendar.

Please note that no new school construction is planned and the data in this report *already take into account*: portable classrooms on site, additions being built onto existing schools, student permits and transfers, programs serving choice areas, and any other operational activities or educational programming affecting the operating capacities and enrollments among LAUSD schools.

Additional information about LAUSD's Capital improvement programs can be found on the Facilities Services Division main webpage. Listings of residential schools and other programs serving the project can be found using LAUSD's Residential School Finder.

Student generation rates can be found in the Developer Fee Justification Study.

MASTER PLANNING AND DEMOGRAPHICS RESPONSE TO SPECIFIC QUESTIONS

Questions: 1-2 The project is located in a **HS** attendance choice/option area. Please see LAUSD Schools Enrollments and Capacities Report details;

Question: 3 Please contact the LAUSD Developer Fee Program Office (DFPO) at (213) 241-6266 if more information regarding fees and student generation rates is needed.

ATTACHMENTS

1. LAUSD SCHOOLS ENROLLMENTS AND CAPACITIES REPORT

2. BOUNDARY DESCRIPTIONS FOR SCHOOLS SERVING PROPOSED PROJECT
   Boundary descriptions for existing schools identified as serving the proposed project

Sincerely,

Vincent Maffei, Director
School Management Services and Demographics

PROJECT SERVED: Sunset and Everett Project, 1185-1199 Sunset Boulevard, Los Angeles, CA 90012, 1201-1247 West Sunset Boulevard and 917 North Everett Street, Los Angeles, CA 90026. The project is planned to construct 327 residential units, (286 market-rate units and 41 affordable units), including retail/commercial use. This project includes 13 studio units, 230 1-bedroom units, 79 2-bedroom units, and 5 3-bedroom units.

SCHOOL YEAR: 2022-2023

1	2	3	4	5	6	7	8	9	10
Cost Center Code	School Name	Capacity	Resident Enrollment	Actual Enrollment	**Current seating overage/(shortage)**	Overcrowded **Now**?	Projected Enrollment	**Projected seating overage/(shortage)**	Overcrowding Projected in **Future**?
1324701	Plasencia El	474	402	424	72	No	376	98	No
1804501	Castro MS	446	628	327	(182)	Yes	476	(30)	Yes
a	**SCHOOL CHOICE AREA TOTALS** (schools listed below)	**5880**	**6548**	**4514**	(668)	Yes	**5824**	**56**	**No**
	BELMONT HS ZONE OF CHOICE								
1820701	Contreras LC ALC	544	-	499	-	-	-	-	-
1851601	Cortines Sch of VAPA	1395	-	1179	-	-	-	-	-
1851701	Contreras LC Bus Tr	474	-	406	-	-	-	-	-
1852701	Contreras LC Soc Jus	482	-	398	-	-	-	-	-
1854301	Belmont SH	1369	-	605	-	-	-	-	-
1854401	Roybal LC	1302	-	1108	-	-	-	-	-
1877401	Contreras LC Glbl St	314	-	319	-	-	-	-	-

[a] Schools & programs that are part of a "school choice area" pull enrollments from the area school(s) that have resident attendance boundaries.

Seating overage/shortage and overcrowding is calculated and reported for the school choice area as a whole; capacity and actual enrollment is reported for each individual school and/or program listed in the shaded cells.

Schools Planned to Relieve Known Overcrowding

NONE

see next page

NOTES:

[1] School's ID code.

[2] School's name

[3] School's operating capacity. The maximum number of students the school can serve with the school's classroom utilization. Excludes capacity allocated to charter co-locations. Includes capacity for dual language and magnet programs.

[4] The total number of students living in the school's attendance area and who are eligilble to be served by school programs as of the start of the school year. Includes resident students enrolled at any dual language or on-site magnet centers.

[5] The number of all students actually attending all programs at the school at the start of the reported school year. Includes all dual language and magnet students.

[6] Reported school year seating overage or (shortage): equal to (capacity) - (resident enrollment).

[7] Reported school year overcrowding status of school. The school is overcrowded if any of these conditions exist:

-There is a seating shortage.

-There is a seating overage of LESS THAN or EQUAL TO a margin of 20 seats.

[8] Projected 5-year total number of students living in the school's attendance area and who are eligible to be served by school programs as of the start of the school year. Includes resident students enrolled at any dual language or on-site magnet centers.

[9] Projected seating overage or (shortage): equal to (capacity) - (projected enrollment).

[10] Projected overcrowding status of school. The school will be considered overcrowded in the future if any of these conditions exist:

-There is a seating shortage in the future.

-There is a seating overage of LESS THAN or EQUAL TO a margin of 20 seats in the future.

° Magnet Schools with Resident Kindergarten Enrollment: Resident enrollment is reported for Kindergarten only. Actual enrollment is reported for all grades in school. Projected data not reported.

* Enrollment is by application only.

LOS ANGELES UNIFIED SCHOOL DISTRICT
Facilities Services Division

LOC. CODE: 3247 COST CENTER: 1324701

SUBJECT: NEW SERVICE BOUNDARY DESCRIPTION FOR BETTY PLASENCIA SCHOOL EFFECTIVE JULY 1, 2013.

The area described below has been approved as the attendance area served by the above-mentioned school. The description starts at the most northwesterly corner and follows the streets in clockwise order. Boundaries are on the center of the street unless otherwise noted.

This boundary supersedes boundary effective July 1, 1996 (updated 7-2-2001, 7-1-2009, 7-1-2011).

This is an official copy for your file.

(GRADES K - 5)

BELLEVUE AVENUE * WEST EDGEWARE ROAD (BOTH SIDES) * EAST EDGEWARE ROAD (BOTH SIDES) * A LINE EASTERLY, THROUGH AND EXCLUDING 800 AND 801 EAST KENSINGTON ROAD, TO THE INTERSECTION OF SUNSET BOULEVARD AND INNES AVENUE * INNES AVENUE (BOTH SIDES EXCLUDED) * EVERETT PLACE AND EXTENSION (BOTH SIDES) * EVERETT STREET (BOTH SIDES) * SUNSET BOULEVARD * BEAUDRY AVENUE (BOTH SIDES EXCLUDED) * TEMPLE STREET * FREMONT AVENUE (BOTH SIDES) * FIRST STREET * HARBOR FREEWAY * SECOND STREET * FIRST STREET * BEVERLY BOULEVARD * BELMONT AVENUE * TEMPLE STREET * GLENDALE BOULEVARD.

For assistance, please call Master Planning & Demographics, Facilities Services Division, at (213) 241-8044.

APPROVED: MARK HOVATTER, Chief Facilities Executive, Facilities Services Division

DISTRIBUTION: School
Transportation Branch
Master Planning and Demographics
Office of Environmental Health and Safety
Department of Transportation, City of L. A.

LOS ANGELES UNIFIED SCHOOL DISTRICT
Facilities **S**ervices **D**ivision

LOC. CODE: 8045 **COST CENTER:** 1804501

SUBJECT: UPDATE BOUNDARY DESCRIPTION FOR SAL CASTRO MIDDLE SCHOOL EFFECTIVE JULY 1, 2011 (UPDATED 7-1-2013).

Reconfiguration has changed the grade levels serviced by this school and the boundary description has been updated to reflect this change. This updating does not change the intent of the boundary as it was approved on July 1, 2011. The description starts at the most northwesterly corner and follows the streets in clockwise order. Boundaries are on the center of the street unless otherwise noted.

This is an official copy for your file.

(GRADES 6 - 8)

COURT STREET * BELMONT AVENUE * TEMPLE STREET * GLENDALE BOULEVARD * BELLEVUE AVENUE * WEST EDGEWARE ROAD (BOTH SIDES) * EAST EDGEWARE ROAD (BOTH SIDES) * A LINE EASTERLY, THROUGH AND EXCLUDING 800 AND 801 EAST KENSINGTON ROAD, TO THE INTERSECTION OF SUNSET BOULEVARD AND INNES AVENUE * INNES AVENUE (BOTH SIDES EXCLUDED) * EVERETT PLACE AND EXTENSION (BOTH SIDES) * EVERETT STREET (BOTH SIDES) * SUNSET BOULEVARD * BEAUDRY AVENUE (BOTH SIDES EXCLUDED) * HOLLYWOOD FREEWAY * SANTA ANA FREEWAY * MAIN STREET * THIRD STREET * HARBOR FREEWAY * SECOND STREET * FIRST STREET * BEVERLY BOULEVARD TO LOMA DRIVE * BEVERLY BOULEVARD (BOTH SIDES) * UNION PLACE (BOTH SIDES) * THIRD STREET * CARONDELET STREET (BOTH SIDES EXCLUDED) * BEVERLY BOULEVARD * ALVARADO STREET.

(GRADES 7 - 8)

BEVERLY BOULEVARD (BOTH SIDES EXCLUDED) TO LOMA DRIVE * BEVERLY BOULEVARD * FIRST STREET * SECOND STREET * HARBOR FREEWAY * THIRD STREET * UNION PLACE (BOTH SIDES EXCLUDED).

OPTIONAL: CASTRO MIDDLE AND CAMINO NUEVO CHARTER ACADEMY No. 4 SCHOOLS

(GRADES 6 – 8)

HOLLYWOOD FREEWAY * GLENDALE BOULEVARD * TEMPLE STREET * BELMONT AVENUE * COURT STREET * ALVARADO STREET.

For assistance, please call Master Planning & Demographics, Facilities Services Division, at (213) 241-8044.

APPROVED: MARK HOVATTER, Chief Facilities Executive, Facilities Services Division

DISTRIBUTION: School
Transportation Branch
Master Planning and Demographics
Office of Environmental Health and Safety
Department of Transportation, City of L. A.

LOS ANGELES UNIFIED SCHOOL DISTRICT
Facilities **S**ervices **D**ivision

LOC. CODE: 8543 **COST CENTER:** 1854301

SUBJECT: NEW SERVICE BOUNDARY DESCRIPTION FOR BELMONT HIGH SCHOOL EFFECTIVE JULY 1, 2019.

The area described below has been approved as the attendance area served by the above-mentioned school. The description starts at the most northwesterly corner and follows the streets in clockwise order. Boundaries are on the center of the street unless otherwise noted.

This boundary supersedes boundary effective July 1, 2013 (clarified 7-1-2014, 7-1-2015, 7-1-2016, 7-1-2018).

This is an official copy for your file.

(GRADES 9 - 12)

MELROSE AVENUE * NORMANDIE AVENUE * HOLLYWOOD FREEWAY * VERMONT AVENUE * BEVERLY BOULEVARD * TEMPLE STREET * SILVER LAKE BOULEVARD * BELLEVUE AVENUE * MICHELTORENA STREET * MARATHON STREET * RAMPART BOULEVARD * SUNSET BOULEVARD * ALVARADO STREET * EFFIE STREET AND EXTENSION INCLUDING 1872 EFFIE STREET, 1698 AND 1699 LEMOYNE STREET, AND 1698 AND 1699 LUCRETIA AVENUE * LUCRETIA AVENUE * ECHO PARK AVENUE (BOTH SIDES EXCLUDED) * MORTON AVENUE (BOTH SIDES EXCLUDED) * MORTON PLACE, INCLUDING MORTON WALK (BOTH SIDES EXCLUDED) * SARGENT PLACE AND EXTENSION (BOTH SIDES, INCLUDING 1698 AND 1699 SARGENT PLACE, EXCLUDED) * ACADEMY ROAD AND EXTENSION EASTERLY AND SOUTHERLY TO THE INTERSECTION OF STADIUM WAY AND PASADENA FREEWAY * STADIUM WAY AND EXTENSION * NORTH SPRING STREET * ALAMEDA STREET * SIXTH STREET * MAIN STREET * PICO BOULEVARD * HARBOR FREEWAY * VENICE BOULEVARD * UNION AVENUE * PICO BOULEVARD * BONNIE BRAE STREET (BOTH SIDES EXCLUDED) * TWELFTH STREET * ALVARADO STREET * PICO BOULEVARD * VERMONT AVENUE * OLYMPIC BOULEVARD * WESTMORELAND AVENUE (BOTH SIDES EXCLUDED) * SAN MARINO STREET (BOTH SIDES EXCLUDED) TO ELDEN AVENUE * SAN MARINO STREET * HOOVER STREET * SEVENTH STREET (BOTH SIDES EXCLUDED) * WILSHIRE PLACE (BOTH SIDES EXCLUDED) * WILSHIRE BOULEVARD * WESTMORELAND AVENUE (BOTH SIDES EXCLUDED) * FOURTH STREET (BOTH SIDES) TO CATALINA STREET * FOURTH STREET * ALEXANDRIA AVENUE (BOTH SIDES) * THIRD STREET * KINGSLEY DRIVE * BEVERLY BOULEVARD * KINGSLEY DRIVE.

(OVER)

OPTIONAL: BELMONT ACADEMIC ZONE AND NORTHEAST ACADEMIC ZONE

NORTH SPRING STREET * BAKER STREET AND EXTENSION * LOS ANGELES RIVER * CESAR E. CHAVEZ AVENUE * ALAMEDA STREET.

Belmont Academic Zone: seven schools or educational programs that students will be able to make application to when resident to Belmont High School. For the current school year students have seven enrollment choices: Belmont High School, Academic Leadership Community at Miguel Contreras Learning Complex, Los Angeles School of Global Studies at Miguel Contreras Learning Complex, School of Business and Tourism at Miguel Contreras Learning Complex, School of Social Justice at Miguel Contreras Learning Complex, Ramon C. Cortines School of Visual and Performing Arts, and Edward Roybal Learning Center. All of these choices will serve grades 9-12.

For assistance, please call Master Planning & Demographics, Facilities Services Division, at (213) 241-8044.

APPROVED: MARK HOVATTER, Chief Facilities Executive, Facilities Services Division

DISTRIBUTION:
School
Transportation Branch
Master Planning and Demographics
Office of Environmental Health and Safety
Department of Transportation, City of L. A.

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October 30, 2023

Sherrie Cruz
CAJA Environmental Services, LLC
9410 Topanga Canyon Blvd., Suite 101
Chatsworth, CA 91311

REQUEST FOR INFORMATION REGARDING RECREATIONAL AND PARK SERVICES FOR THE SUNSET AND EVERETT PROJECT IN THE CITY OF LOS ANGELES

Dear Sherrie Cruz:

The following has been prepared in response to your request for Recreation and Parks information relative to the proposed Sunset and Everett Project. This project proposes the development of a residential project with 327 residential dwelling units on a site generally located at 1185-1247 W. Sunset Boulevard and 917 N. Everett Street in the Silver Lake - Echo Park - Elysian Valley Community Plan.

1. *Which parks and recreational facilities would serve the proposed project?*

The following Department of Recreation and Parks facilities are classified as neighborhood parks and are located within a two-mile radius of the project site:

- 6th & Gladys Street Park, located at 624 E. 6th Street
- Aliso Triangle, located at 1304 E. Pleasant Avenue.
- Arts District Park, located at 501 S. Hewitt Street.
- City Hall Park, located at 200 N. Spring Street.
- Everett Park, located at 1010 N. Everett Street.
- Grand Hope Park, located at 900 S. Hope Street.
- Hope and Peace Park, located at 843 S. Bonnie Brae Street.
- Lacy Street Neighborhood Park, located at N. Lacy Street & Avenue 26.
- Laurel and Hardy Park, located at 3022 W. Del Monte Drive.
- Los Angeles Plaza Park, located at 125 E. Paseo De La Plaza.
- Ord and Yale Street Park (Expansion), located at 516 W. Ord Street.
- Patton Street Pocket Park, located at 303-305, 317-327 N. Patton Street.
- Rockwood Community Park, located at 1571 W. Rockwood Street.
- San Julian Park, located at 312 E. 5th Street.
- Silver Lake Meadows Park, located at 2543 N. Armstrong Avenue.
- Spring Street Park, located at 428 S. Spring Street.

- Unidad Park, located at 1644-1648 W. Beverly Boulevard.
- Valencia Triangle, located at 1425 W. 8th Street.

The following Department of Recreation and Parks facilities are classified as community parks and are located within a five-mile radius of the project site:

- 1st and Broadway Civic Center Park, located at 217 W. 1st Street.
- 6th Street Bridge Park, located at 6th Street from S. Mateo Street to 101 Freeway.
- Albion Riverside Park, located at 1739 N. Albion Street.
- Alpine Recreation Center, located at 817 N. Yale Street.
- Barnsdall Park, located at 4800 W. Hollywood Boulevard.
- Bellevue Recreation Center, located at 826 N. Lucille Avenue.
- Boyle Heights Sports Center, located at 933 S. Mott Street.
- Carlin G Smith Recreation Center, located at 511 W. Avenue 46.
- Central Recreation Center, located at 1357 E. 22nd Street.
- Chevy Chase Park, located at 4165 E. Chevy Chase Drive.
- Cypress Recreation Center, located at 2630 N. Pepper Avenue.
- Denker Recreation Center, located at 1550 W. 35th Place.
- Downey Recreation Center, located at 1772 N. Spring Street.
- Echo Park, located at 751 N. Echo Park Boulevard.
- El Sereno Recreation Center, located at 4721 N. Klamath Place.
- Elysian Valley Recreation Center, located at 1811 W. Ripple Street.
- Evergreen Recreation Center, located at 2839 E. 4th Street.
- Expo Center, located at 3980 S. Bill Robertson Lane.
- Fred Roberts Recreation Center, located at 4700 S. Honduras Street.
- Gilbert W Lindsay Community Center, located at 429 E. 42nd Place.
- Glassell Park, located at 3650 N. Verdugo Road.
- Hazard Park, located at 2230 E. Norfolk Street.
- Hermon Park, located at 5566 E. Via Marisol.
- Highland Park Recreation Center, located at 6150 E. Piedmont Avenue.
- Hollenbeck Park, located at 415 S. St. Louis Street.
- Hollywood Recreation Center, located at 1122 N. Cole Avenue.
- Hoover Recreation Center, located at 1010 W. 25th Street.
- Lafayette Park, located at 625 S. Lafayette Park Place.
- Lake Street Community Center, located at 227 N. Lake Street.
- Lemon Grove Recreation Center, located at 4959 W. Lemon Grove Avenue.
- Lincoln Heights Recreation Center, located at 2303 N. Workman Street.
- Lincoln Park, located at 3501 E. Valley Boulevard.
- Loren Miller Recreation Center, located at 2717 S. Halldale Avenue.
- Lou Costello Jr Recreation Center, located at 3141 E. Olympic Boulevard.
- Macarthur (Gen Douglas) Park, located at 2230 W. 6th Street.
- Martin Luther King Jr Park, located at 3734 S. Western Avenue.
- Montecito Heights Recreation Center, located at 4545 N. Homer Street.
- MSGR Ramon D Garcia Recreation Center, located at 1016 S. Fresno Street.

- Normandie Recreation Center, located at 1550 S. Normandie Avenue.
- Old Cypress Park Library, located at 3320 E. Pepper Avenue.
- Pecan Recreation Center, located at 127 S. Pecan Street.
- Pershing Square, located at 525 S. Olive Street.
- Queen Anne Recreation Center, located at 1240 S. West Boulevard/
- Ramona Hall Community Center, located at 4580 N. Figueroa Street.
- Rio De Los Angeles State Park, located at 1900 N. San Fernando Road.
- Rose Hill Recreation Center, located at 4530 N. Mercury Avenue.
- Ross Snyder Recreation Center, located at 1501 E. 41st Street.
- Seoul International Park, located at 3250 W. San Marino Street.
- Shatto Recreation Center, located at 3191 W. 4th Street.
- Silver Lake Recreation Center, located at 1850 N. Silver Lake Drive.
- South Park Recreation Center, located at 345 E. 51st Street.
- South Seas House Park, located at 2301 W. 24th Street.
- State Street Recreation Center, located at 716 N. State Street.
- Sycamore Grove Park, located at 4702 N. Figueroa Street.
- Toberman Recreation Center, located at 1725 S. Toberman Street.
- Trinity Recreation Center, located at 2415 S. Trinity Street.
- Wabash Recreation Center, located at 2765 E. Wabash Avenue.
- Yosemite Recreation Center, located at 1840 W. Yosemite Drive.

The following Department of Recreation and Parks facilities are classified as regional parks and are located within a ten-mile radius of the project site:

- Ascot Hills Park, located at 4371 E. Multnomah Street.
- Campo De Cahuenga, located at 3919 N. Lankershim Boulevard.
- Coldwater Canyon Park, located at 12601 N. Mulholland Drive.
- Eagle Rocks Hillside Park, located at 2747 S. Valle Vista Drive.
- Elysian Park, located at 929 W. Academy Road.
- Ernest E Debs Regional Park, located at 4235 N. Monterrey Road.
- Exposition Park Rose Garden, located at 701 W. State Drive.
- Griffith Park, located at 4730 N. Crystal Springs Drive.
- Laurel Canyon Mulholland Park, located at 8100 W. Mulholland Drive.
- Rose Hill Park, located at 3606 N. Boundary Avenue.
- Runyon Canyon Park, located at 2000 N. Fuller Avenue.
- Wattles Garden Park, located at 1824 N. Curson Avenue.

For additional information regarding facilities and features available in these parks visit our website: www.laparks.org.

2. Does the City have any plans to develop new parks or recreational facilities or expand existing parks or recreational facilities within a two-mile radius of the project site?

No.

3. What is the area's existing parkland acres-to-population ratio and what is the desired acres-to-population ratio?

The Silver Lake - Echo Park - Elysian Valley Community Plan Area, within which the project is located, has a parkland acres-to-population ratio of neighborhood and community parks of 9.01 acres per 1,000 residents. The Public Recreation Plan, a portion of the Service Element of the City's General Plan, sets a goal of a parkland acres-to-population ratio of neighborhood and community parks of 4.0 acres per 1,000 residents.

Thank you for the opportunity to provide information relative to the proposed project's impact on recreation and park services. Most subdivision projects that contain more than fifty residential dwelling units are required to meet with the Department of Recreation and Parks prior to filing in order to discuss any potential dedication requirements. If you have any questions or comments regarding this information, please contact the RAP Park Staff at (213) 202-2682 or rap.parkfees@lacity.org

Sincerely,

CATHIE M. SANTO DOMINGO
Assistant General Manager

DARRYL FORD
Superintendent
Planning, Maintenance, and Construction Branch

CSD/DF:ep

cc: Reading File

Sunset and Everett Project
Request for Information
Los Angeles Public Library Response

Oct 12, 2023

This project would be served by the following agencies:

Richard J. Riordan Central Library
630 W 5th St
Los Angeles, 90071

Chinatown Branch Library
639 N. Hill St
Los Angeles, 90012

Echo Park Branch Library
1410 W Temple St
Los Angeles 90026

Edendale Branch Library
2011 W. Sunset Blvd
Los Angeles 90026

Little Tokyo Branch Library
203 S. Los Angeles St
Los Angeles, 90012

Silverlake Branch Library
2411 Glendale Bl
Los Angeles, 90039

Detailed information regarding each branch is attached.

There are no current plans to build new libraries that would serve this project area.

On February 8, 2007, The Board of Library Commissioners approved a new Branch Facilities Plan. This Plan includes criteria for new Libraries, which recommends new size standards for the provision of LAPL facilities — 12,500 Square feet for a community with less than 45,000 population and 14,500 square feet for a community with more than 45,000 population and up to 20,000 square feet for a Regional branch. It also recommends that when a community reaches a population of 90,000, an additional branch library should be considered for the area.

The Los Angeles Public Library recommends a mitigation fee of $200 per capita based upon the projected population of the development. The funds will be used for library materials, technology, programs and/or facilities improvement. It is recommended that mitigation fees be paid for by the developer.

Location Name and Address
Richard J. Riordan Central Library
630 W 5th St
Los Angeles, 90071

Size of facility in Square feet
538,000

Collection size
2.6 million

Annual Circulation
1.2 million

Staffing level
390 FTE

Volunteers
250

Service Population
250,264

The City of Los Angeles makes no predictions on future population statistics.

The Central Library serves the entire population of the City of Los Angeles by providing support to all 72 branches in the Los Angeles Public Library System. Central Library has eleven subject departments with subject specialists assigned to each department. There is a maker-space lab and a computer lab. Central has a Literacy Center. There is a designated area for teens, and a Children's room with a puppet theater.

All libraries have:
Free Public Wi-Fi
Wireless & Mobile Printing
Reserve a Public Computer

Location Name and Address
Chinatown Branch Library
639 N. Hill St
Los Angeles, 90012

Size of facility in Square feet
14,500

Collection size
82,990

Annual Circulation
26,167

Staffing level
10.0 FTE

Volunteers
100

Service Population
22,365

The City of Los Angeles makes no predictions on future population statistics.

Due to its specialized collection and location in historic downtown Chinatown, the service area population is considered to be greater than the residential population. The branch has a community room that is used by the community for public programs. This library has a substantial Chinese collection of books , magazines, newspapers and CDs, including a Chinese Heritage Collection. They have materials in English and Spanish.

All libraries provide free access to computer workstations which are connected to the Library's information network. In addition to providing Internet access, these workstations enable the public to search LAPL's many electronic resources including the online catalog, subscription databases, word processing, language learning, literacy and a large historic document and photograph collection.

All libraries have:

Free Public Wi-Fi
Wireless & Mobile Printing
Reserve a Public Computer

Location Name and Address
Echo Park Branch Library
1410 W Temple St
Los Angeles 90026

Size of facility in Square feet
17,543

Collection size
39,348

Annual Circulation
28,447

Staffing level
8.0 FTE

Volunteers
8

Service Population
26,890

The City of Los Angeles makes no predictions on future population statistics.

The branch has a community room that is used by the community for public programs. This library has an extensive Filipino Heritage Collection , with books for adults and children in English and Tagalog as well as materials in English and Spanish

All libraries provide free access to computer workstations which are connected to the Library's information network. In addition to providing Internet access, these workstations enable the public to search LAPL's many electronic resources including the online catalog, subscription databases, word processing, language learning, literacy and a large historic document and photograph collection.

All libraries have:

Free Public Wi-Fi
Wireless & Mobile Printing
Reserve a Public Computer

Location Name and Address
Edendale Branch Library
2011 W. Sunset Blvd
Los Angeles 90026

Size of facility in Square feet
12,500

Collection size
47,068

Annual Circulation
29,493

Staffing level
9.0 FTE

Volunteers
8

Service Population
30,973

The City of Los Angeles makes no predictions on future population statistics.

The branch has a community room that is used by the community for public programs. This library has a small local history collection as well as materials in English and Spanish

All libraries provide free access to computer workstations which are connected to the Library's information network. In addition to providing Internet access, these workstations enable the public to search LAPL's many electronic resources including the online catalog, subscription databases, word processing, language learning, literacy and a large historic document and photograph collection.

All libraries have:

Free Public Wi-Fi
Wireless & Mobile Printing
Reserve a Public Computer

Location Name and Address
Little Tokyo Branch Library
203 S. Los Angeles St
Los Angeles, 90012

Size of facility in Square feet
12,500

Collection size
61,939

Annual Circulation
41,013

Staffing level
9.75 FTE

Volunteers
33

Service Population
50,136

The City of Los Angeles makes no predictions on future population statistics.

The location of this branch in Historic downtown Little Tokyo, the service area population is considered larger than the residential population. The branch has a community room that is used by the community for public programs. This library has a Japanese Heritage Collection as well as a substantial collection of Japanese magazines and Manga in both English and Japanese. The branch has materials in English and Spanish

All libraries provide free access to computer workstations which are connected to the Library's information network. In addition to providing Internet access, these workstations enable the public to search LAPL's many electronic resources including the online catalog, subscription databases, word processing, language learning, literacy and a large historic document and photograph collection.

All libraries have:

Free Public Wi-Fi
Wireless & Mobile Printing
Reserve a Public Computer

Location Name and Address
Silverlake Branch Library
2411 Glendale Bl
Los Angeles, 90039

Size of facility in Square feet
13,670

Collection size
64,056

Annual Circulation
88,438

Staffing level
9 FTE

Volunteers
92

Service Population
15,274

The City of Los Angeles makes no predictions on future population statistics

The branch has a community room that is used by the community for public programs. This library has materials in English and Spanish. They have a significant Children's books in French, German and Hebrew. They also have a "Silverlake Local History" Collection.

All libraries provide free access to computer workstations which are connected to the Library's information network. In addition to providing Internet access, these workstations enable the public to search LAPL's many electronic resources including the online catalog, subscription databases, word processing, language learning, literacy and a large historic document and photograph collection.

All libraries have:

Free Public Wi-Fi
Wireless & Mobile Printing
Reserve a Public Computer

November 2023

Sunset + Everett Project

Transportation Assessment

Prepared by

FEHR & PEERS

600 Wilshire Boulevard, Suite 1050
Los Angeles, CA 90017
213.261.3050

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Executive Summary

This report presents the assumptions, methodologies, and findings of the Transportation Assessment (TA) conducted by Fehr & Peers to evaluate the potential transportation impacts and effects for the Sunset+Everett Project (Project) in the City of Los Angeles (City). The Project is located at 1187 Sunset Boulevard between Echo Park and Chinatown. This Project proposes a mixed-use development consisting of 286 market-rate and 41 income-restricted multi-family residential dwelling units and commercial uses. The Project would replace a collection of vacant parcels along the east side of Sunset Boulevard north of Everett Street.

This transportation assessment was conducted in line with guidance provided in the Los Angeles Department of Transportation's (LADOT) 2022 *Transportation Assessment Guidelines* (TAG) and the Project's TA Memorandum of Understanding (MOU) dated June 2023.

CEQA Assessment

The analyses included in the California Environmental Quality Act (CEQA) assessment and presented in this report are:

- **Plan, Program, Ordinance, and Policy Review:** This analysis identified whether the Project's transportation requirements and corrective actions are in conflict with the City's transportation goals and policies. Specifically, the analysis evaluated whether the Project has any potential conflicts with adopted City plans and policies.
- **Vehicle Miles Traveled Analysis:** This analysis assessed whether the Project would cause an impact on vehicle miles traveled (VMT). The analysis utilized the LADOT VMT Calculator tool (Version 1.3) to assess VMT impacts of the Project.
- **Geometric Design Feature Review:** This analysis reviews the Project's site plan for any increases in potential hazards due to the design of access to the Project. The analysis considers hazards relating to vehicles, bicycles, and pedestrians, and their safety, operational and capacity impacts.

Based on the thresholds of significance identified in the TAG and in accordance with CEQA, and as discussed in this report, the Project would have a less-than-significant impact on the environment, and no mitigation measures are required.

Non-CEQA Assessment

The analyses included in the non-CEQA assessment and presented in this report are:

- **Pedestrian, Bicycle, and Transit Assessment:** This analysis determined the Project's potential effect on pedestrian, bicycle, and transit facilities in the vicinity of the Project. The analysis included an inventory of existing facilities, as well as an evaluation utilizing criteria provided in the TAG.

- **Project Access, Safety, and Circulation Evaluation:** This evaluation analyzed Project access and intersection operations in line with the evaluation methodologies and criteria provided in the TAG. Under Senate Bill 743 and the TAG, the Project's operational evaluation is not for consideration under CEQA and is instead analyzed in accordance with the TAG. Operational evaluations such as intersection level of service (LOS) are not considered metrics for determining transportation significant impacts under CEQA.
- **Project Construction Analysis:** This analysis addressed activities associated with Project construction through the lens of temporary transportation constraints, temporary loss of access, and temporary impacts to transit.

Based on the analyses outlined above, no Project-related deficiencies or recommended actions were identified, beyond establishing a Construction Traffic Management Plan and Construction Worker Parking Plan in coordination with the City. However, outside of these topic areas, the Project proposes the following volunteered project design features as part of construction:

- **Transportation Demand Management (TDM) Measures:** Although the Project is not expected to cause any significant transportation impact or non-CEQA operational issues in accordance with the TAG, the Project proposes the following TDM measures to reduce trips, traffic, VMT, and greenhouse gas emissions (GHGs):
    - Reduced parking supply (263 spaces) compared to Los Angeles Municipal Code (LAMC) baseline requirements (621 spaces), in accordance with AB 2097.
    - Unbundled cost of parking from residential leases.
    - Promotions and marketing program (kiosk, coordinator, pamphlets, website) to inform travelers about different transportation options and the effects of their travel choices.
    - Bicycle parking per LAMC.
- **Modification of Sunset Boulevard and Marion Avenue intersection (Project driveway):** The Project proposes a full-access driveway to form the fourth leg of the Sunset Boulevard and Marion Avenue signalized intersection. This would involve the modification of traffic signal equipment, curbs, ramps, and striping at this intersection.
- **Transit Amenities Improvements:** The Project will coordinate with StreetsLA and the necessary City departments to provide a transit shelter at the bus stop located along Project frontage at the intersection of Sunset Boulevard and Marion Avenue to provide an enhanced experience for transit riders.

1. Introduction

This report documents the assumptions, methodologies, and findings of the transportation assessment to evaluate the potential transportation impacts of the proposed Sunset+Everett Project (Project). This Project proposes a mixed-use development consisting of market-rate and income-restricted multi-family residential dwelling units and commercial uses. The Project would replace a collection of vacant parcels along the east side of Sunset Boulevard (Sunset Boulevard runs north-south at the Project Site) north of Everett Street.

1.1 Project Description

The Project Site is bounded by Sunset Boulevard, Everett Street, and neighboring residential areas (Project Site). The Project is generally located at 1187 Sunset Boulevard in the Silver Lake-Echo Park-Elysian Valley Community Plan Area of the City of Los Angeles (City) and Council District 1. The Project Site currently includes:

- Vacant lots totaling 107,100 square feet (sf)

The Project proposes two adjacent seven story buildings (Building A and Building B) with the following uses:

- 286 market-rate multi-family residential dwelling units
- 41 income-restricted multi-family residential dwelling units
- 9,462 sf of high-turnover sit-down restaurant space

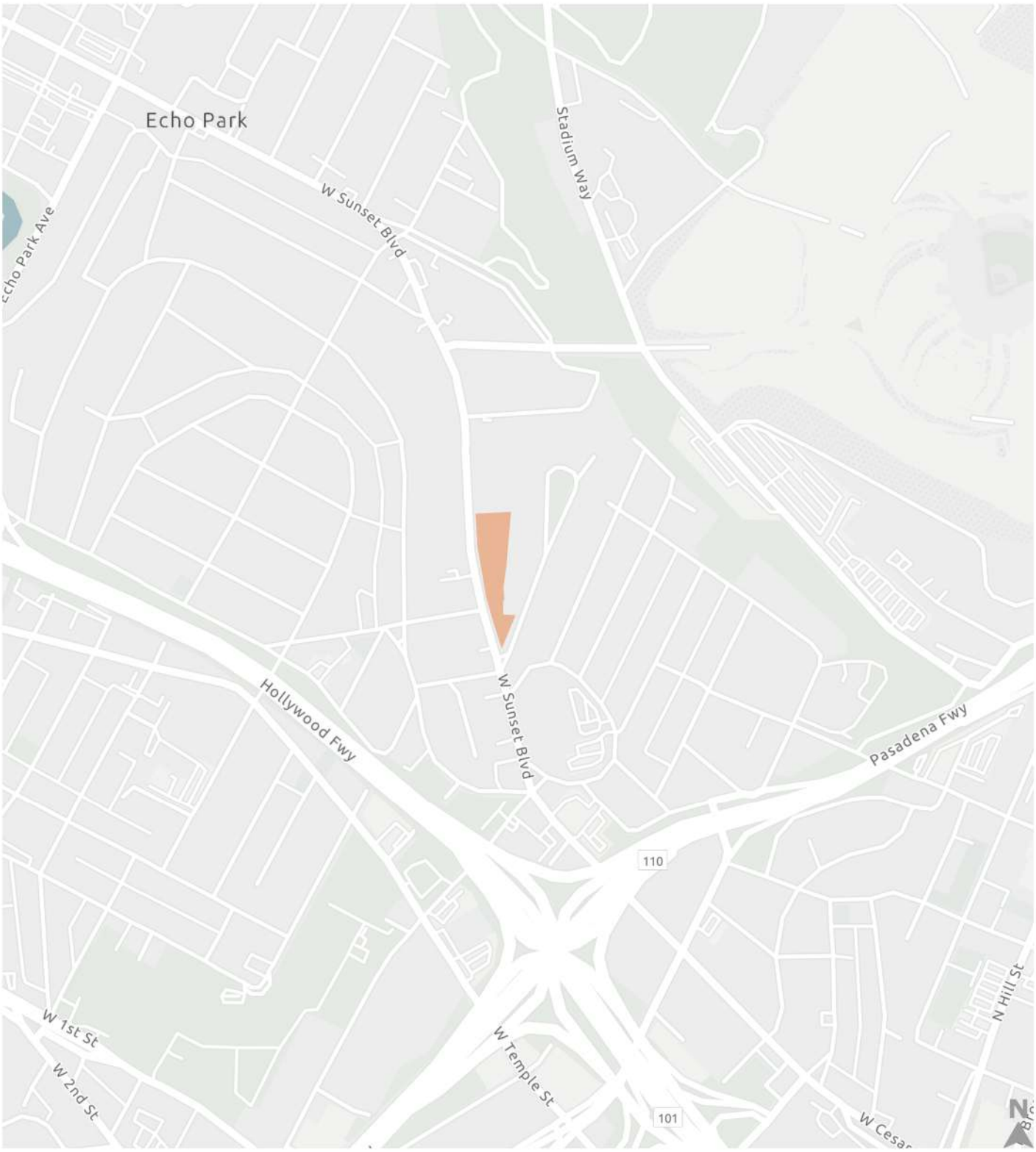
The Project would modify the public right-of-way by providing the fourth leg (driveway) of the Sunset Boulevard and Marion Avenue signalized intersection. The Project proposes a full-access driveway at this intersection which would involve the modification of traffic signal equipment, curbs, ramps, and striping.

Figure 1 shows the location of the Project Site in the context of the surrounding roadway network. Regional vehicular access to the Project Site is provided by the Hollywood Freeway (US-101) and the Arroyo Seco Parkway (SR-110). US-101 is accessible at ramps serving Bellevue Avenue (Glendale Boulevard and Echo Park Avenue exit), Grand Avenue, and Temple Street. SR-110 is accessible at ramps serving 3rd Street, Figueroa Street, Sunset Boulevard, and Stadium Way. Local vehicular access is provided primarily by Sunset Boulevard and other connecting streets.

Figure 2 shows the Project site plan. Vehicular access to the Project Site would be provided via three driveways that provide access to at-grade and subterranean parking. The northern driveway (Access A) would be located at the northwestern corner of the Project Site at Sunset Boulevard. It would allow left- and right-turn in and right-turn out access only. The middle driveway (Access B) would be located along the western frontage of the Project Site at Sunset Boulevard. It would also allow left- and right-turn in and right-turn out access only. The southern driveway (Access C) would be provided near the southern corner

of the Project Site, at the intersection of Sunset Boulevard and Marion Avenue. Access C provides full access to and from Marion Avenue and Sunset Boulevard.

Pedestrian access to the Project Site would be provided along the Sunset Boulevard and Everett Street frontages. Transit access is provided by the Los Angeles Metropolitan Transportation Authority (Metro) bus stops adjacent to the Project Site at Marion Avenue serving Line 4. Line 4 provides service headways of 10-15 minutes or better throughout the day, seven days a week. Transit service is further described in detail in Chapter 2.1.



Project Site

Esri Community Maps Contributors, County of Los Angeles, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA

Figure 1

Sunset + Everett Project

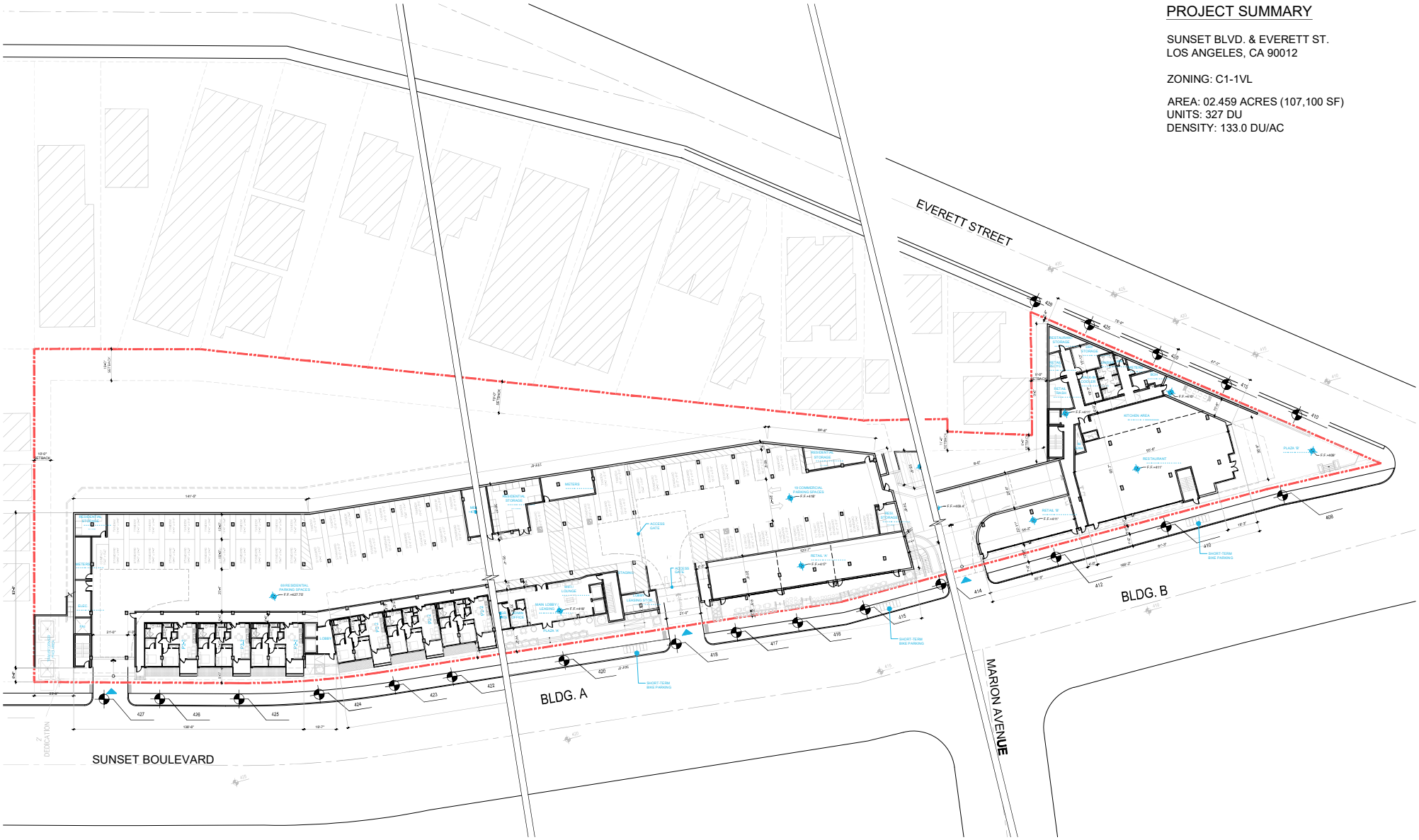
Project Site Location

PROJECT SUMMARY

SUNSET BLVD. & EVERETT ST.
LOS ANGELES, CA 90012

ZONING: C1-1VL

AREA: 02.459 ACRES (107,100 SF)
UNITS: 327 DU
DENSITY: 133.0 DU/AC



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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MARCH 2, 2023

0 12 1/2 25 50

CONCEPTUAL SITE PLAN
PROJECT SUMMARY

Figure 2

1.2 Study Scope

The scope of work for this study was determined in consultation with the Los Angeles Department of Transportation (LADOT) and is in accordance with the City's CEQA transportation thresholds of significance and LADOT's *Transportation Assessment Guidelines* (TAG) adopted in July 2019, and updated in August 2022.[1] The base assumptions and technical methodologies were discussed with LADOT as part of the study approach and agreed to in a transportation assessment memorandum of understanding (MOU) dated June 2023. The MOU is included in **Appendix A** to this document.

The TAG establishes a set of guidelines, methods, and impact criteria for CEQA considerations that focus on policy conflicts, vehicle miles traveled (VMT), and geometric hazards, and freeway safety analysis. The TAG also establishes a framework for various non-CEQA analyses including a pedestrian, bicycle, and transit access assessment; a project access, safety, and circulation assessment; project construction review; and residential street cut-through analysis. Each area of analysis is described in the TAG with a discussion of screening criteria, the methodology for analysis, impact criteria, and potential mitigation or corrective action options. **Table 1** outlines the issues areas evaluated for the Project based on the screening criteria set forth in the TAG. The TAG screening analysis is available for reference in **Appendix B**. The study area boundary for this transportation assessment is a quarter-mile radius from the boundary of the Project Site for transit, pedestrian, and bike assessments, which were selected based on guidance in the TAG and as approved by LADOT through the Project MOU process.

1.3 Organization of Report

This report is divided into four chapters, including this introduction, as follows, in addition to the aforementioned executive summary:

- **Chapter 1: Introduction -** Introduces the Project description and required scope of the transportation assessment.
- **Chapter 2: Environmental Setting -** Describes the existing transportation system in the study area, including an overview of local and regional auto, pedestrian, bicycle, and transit access to the Project. Also describes cumulative conditions within the study area, including proposed transportation system improvements and related development projects.
- **Chapter 3: CEQA Transportation Assessment -** Includes required CEQA analyses, including a plans, programs, ordinances, and policies review; VMT analysis; and geometric hazards evaluation.
- **Chapter 4: Non-CEQA Transportation Assessment -** Summarizes the required non-CEQA transportation analyses, including a pedestrian, bicycle, and transit access assessment; access, safety, and circulation evaluation; a construction analysis, and a residential street cut-through analysis.

[1] City of Los Angeles Department of Transportation, *Transportation Assessment Guidelines (TAG)*, August 2022.

Table 1: TAG Screening Criteria Issue Areas

TAG Issue Area	Analysis Required?
CEQA Analyses:	
Conflicts with Plans, Programs, Ordinances, and Policies	Yes
Causing Substantial Additional Vehicle Miles Traveled	Yes
Substantially Inducing Additional Automobile Travel	No
Geometric Design Features	Yes
Freeway Safety Analysis	No
Non-CEQA Analyses:	
Pedestrian, Bicycle, and Transit Access	Yes
Project Access, Safety, and Circulation	Yes
Project Construction	Yes
Residential Street Cut-Through	No

2. Environmental Setting

The Project Site is located at the following addresses: 1185, 1187, 1193, 1195, 1197, 1201, 1205, 1207, 1211, 1215, 1221, 1225, 1229, 1233, 1239, 1243, 1245, 1247 W. Sunset Boulevard and 917 N. Everett Street. It is currently a collection of vacant lots and is bounded by Sunset Boulevard to the west, residential development to the north and east, and the Sunset Boulevard and Everett Street intersection to the south. **Figure 1** shows the Project Site location.

2.1 Existing Conditions

The Project Site is situated in the Silver Lake-Echo Park-Elysian Valley Community Plan Area of the City, an urbanized and mixed-use area with a variety of population, employment, and retail services. The Project Site is located within the boundaries of a Transit Priority Area (TPA) and High Quality Transit Area (HQTA) as defined California Public Resources Code §21099(a)(7), SCAG, and City Zoning Information File (ZI) 2452.

The Project Site currently consists of the following:

- **1187 Sunset Boulevard:** A collection of vacant lots totaling 107,100 sf

These vacant lots formerly contained automotive service and retail uses that were demolished prior to this study. Land uses located directly adjacent to the Project Site include a variety of single-family and multi-family residential uses to the north and east. Other land uses in the area include residential and commercial uses and Dodger Stadium. The nearest Metro rail stations are the Bunker Hill and Chinatown stations, approximately 0.9 miles to the south and east, respectively.

Vehicular access to the Project Site's vacant parcels is provided via 13 driveways along Sunset Boulevard and one driveway on Everett Street. Pedestrian access to the Project Site is located along Sunset Boulevard and Everett Street.

Existing Street System

Regional access to the Project Site is provided primarily by the US-101 and SR-110 freeways. US-101 is accessible at ramps serving Bellevue Avenue, Grand Avenue, and Temple Street. SR-110 is accessible at ramps serving 3rd Street, Figueroa Street, Sunset Boulevard, and Stadium Way. Local access to the Project Site is provided by Sunset Boulevard and other connecting streets. **Table 2** and **Table 3** provide an overview of the regional and local roadways, respectively, serving the Project Site. The street descriptions include the designation of the roadway under the City's General Plan Mobility Element, *Mobility Plan 2035* approved by the Los Angeles City Council in August 2015 and amended in September 2016. In addition, the *Mobility Plan 2035* identifies networks proposed to prioritize bicycle, pedestrian, transit, and vehicle infrastructure improvements. These networks are defined as the following:

- **The Neighborhood-Enhanced Network** (NEN) is a selection of streets that provide comfortable and safe routes for localized travel of slower-moving modes such as walking, bicycling, or other slow speed motorized means of travel.
- **The Transit-Enhanced Network** (TEN) is the network of arterial streets prioritized to improve existing and future bus service for transit riders.
- **The Bicycle-Enhanced Network** (BEN) is a network of streets to receive treatments that prioritize bicyclists. Tier 1 Protected Bicycle Lanes are bicycle facilities that are separated from vehicular traffic. Tier 2 and Tier 3 Bicycle Lanes are facilities on roadways with striped separation. Tier 2 Bicycle Lanes are those more likely to be built by 2035.
- **The Vehicle-Enhanced Network** (VEN) identifies streets that prioritize vehicular movement and offer safe, consistent travel speeds and reliable travel times.
- **The Pedestrian-Enhanced Districts** (PEDs) identify where pedestrian improvements on arterial streets could be prioritized to provide better walking connections to and from the major destinations within communities.

Table 2: Regional Access to the Project Site[1]

Name	Direction	Posted Speed (mph)	Total Number of Lanes	Nearby Access Points
Route 101	Northwest-Southeast	55	10	Bellevue Ave/Belmont Ave, Grand Ave, Temple St
State Route 110	Northeast-Southwest	55	6	3rd St, Figueroa St, Sunset Blvd, Stadium Way

Notes

1. Characteristics for the segment of the roadway closest to the Project Site.

Table 3: Local Access to the Project Site[1]

Name	Designation[2]	Posted Speed (mph)	Total Number of Lanes	Parking	Bike Facilities	Mobility Plan 2035 Network[2]
East-West Roadways						
Marion Ave	Collector	25	2	Both sides of street		NEN
Mayflower Ct	Private	-	1	Not permitted		
Innes Ave	Local Street	25	2	Both sides of street		
Vin Scully Ave	Avenue I	35	6	Both sides of street (restrictions east of Lilac Pl)		BEN, PED
White Knoll Dr	Collector	25	2	Both sides of street (Collector segment); west side only (Local Street segment)		
Beaudry Ave	Avenue II	35	2	South side of street (West of Alpine St); both sides of street (East of Alpine St)		BEN & PED (West of Sunset Blvd), NEN
Kellam Ave	Local Street	25	2	Both sides of street		
Boston St	Local Street	25	2	Both sides of street		
Figueroa Ter	Local Street	25	2	Both sides of street		
Joels Pl	Private	-	1	Not permitted		
College St	Local Street	25	2	Both sides of street		NEN (East of Centennial St)
North-South Roadways						
Everett St/Everett Pl	Local Street	35	2	Both sides of street		
Bellevue Ave	Collector/Local Street	25	2	Both sides of street	Class II Bicycle Lanes (W of Edgeware Rd)	NEN
East Kensington Rd	Local Street	25	2	Both sides of street		NEN
East Edgeware Rd	Local Street	25	2	Both sides of street		
Carroll Ave	Local Street	25	2	Both sides of street		
Calumet Ave	Local Street	25	2	Both sides of street		
Boylston St	Local Street	25	2	Both sides of street		
Sunvue Pl	Local Street	25	2	Both sides of street		
Marview Ave	Local Street	25	2	West side of street		
Alpine St	Collector	25	2	Both sides of street		NEN

Notes

1. Characteristics for the segment of the roadway closest to the Project Site.
2. As designated by the City of Los Angeles, *Mobility Plan 2035, An Element of the General Plan* .

Source: Fehr & Peers, 2023.

Existing Public Transit Service

The Project Site is located within a TPA and a Tier 2 Transit Oriented Communities (TOC) area[2] based on the City's Zoning Information and Map Access System (ZIMAS) and other City map data, accessed June 2023. **Figure 3** shows nearby transit facilities in the context of the Project Site. **Table 4** summarizes transit lines, frequencies, and ridership in the Project Site vicinity. Bus service is primarily provided via Line 4, which stops in front of the Project Site at Sunset Boulevard and Marion Avenue. See **Appendix C** for detailed schedule information for nearby transit services.

Existing Pedestrian and Bicycle Facilities

Pedestrian Facilities

Sunset Boulevard, Beaudry Avenue, Vin Scully Avenue, Stadium Way, Temple Street, and Figueroa Street, major roadways in the vicinity of the Project Site, are part of the City's Pedestrian Enhanced Districts. The study area generally has a mature network of pedestrian facilities (summarized in **Table 5**, **Table 6,** and **Figure 4**) including sidewalks and pedestrian safety features, however some intersection curb ramps within the study area are missing ADA-compliant tactile warning strips. Marion Avenue, Kensington Road, Edgeware Road south of Bellevue Avenue, and Beaudry Avenue between Sunset Boulevard and College Street are included in the City's Neighborhood Enhanced Network.

Bicycle Facilities

Figure 5 shows existing bicycle facilities in the Project area. Bicycle facilities in the study area consist of the Class II bicycle lanes on Sunset Boulevard north of Vin Scully Avenue, Class II and Class III bicycle lanes/routes on Bellevue Avenue west of Edgeware Road, and Class III bicycle routes on Stadium Way south of Boylston Street.

High-Injury Network

The City's High-Injury Network (HIN) is comprised of streets with the highest concentration of traffic collisions that result in severe injuries and deaths, with an emphasis on those involving people walking and bicycling. As shown in **Figure 4**, the Project study area has two streets that have been identified as part of the HIN: Sunset Boulevard and Temple Boulevard.

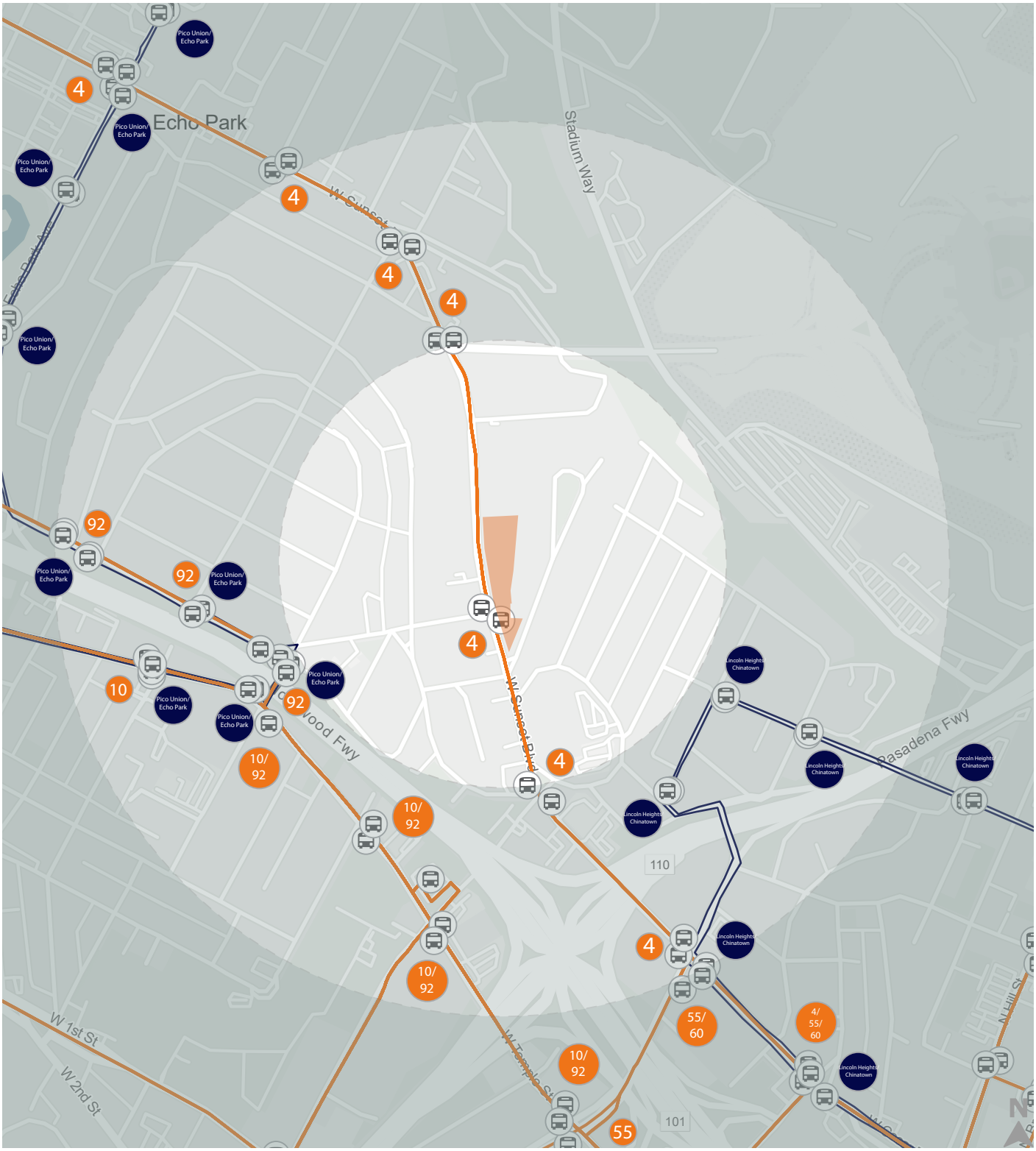
[2] The City's TOC Incentive Program includes four tiers of TOC areas based on a site's distance from a "Major Transit Stop." Tier 2 indicates the site has access to two or more intersecting frequent bus services. https://www.arcgis.com/apps/mapviewer/index.html?layers=47618827cb57401a8cb5570df12b3605&layerId=0

Table 4: Transit Lines and Ridership within a Half-Mile of the Project Site

Line	Description	Peak Hour Headway	FY 2022 Annual Ridership[1]
LA Metro			
4	Downtown LA - Santa Monica *via Santa Monica Blvd & Sunset Blvd*	7-8 minutes	6,156,307
10/48	Downtown LA - West Hollywood *via Temple St & Melrose Ave*	10-16 minutes	1,976,400
55	Downtown LA - Willowbrook/Rosa Parks Stations *via Grand Ave, Adams Blvd, & Compton Ave*	12-15 minutes	1,969,348
60	Downtown LA - Artesia Station *via Santa Fe Ave & Long Beach Blvd*	5-8 minutes	4,211,189
92	Downtown LA - Sylmar *via Glendale Blvd, Brand Bl, & Glenoaks Blvd*	17-20 minutes	1,314,084
LADOT DASH			
Pico Union/Echo Park	Elysian Heights - University Park *via Echo Park, Angelino Heights, Historic Filipinotown, Westlake, & Pico Union*	14 minutes	N/A

Notes

1. LA Metro Ridership (Metro Ridership Stats)



Project Site

1/4 mile radius from Project Site

1/2 mile radius from Project Site

Metro & DASH Stops (with route #)

LA Metro Routes

LADOT DASH Routes

Esri Community Maps Contributors, County of Los Angeles, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA

Figure 3

Sunset + Everett Project
Transit Facilities

Table 5: Existing Ped. Amenities - Sidewalk Widths & Crossing Dist.[1]

Street Name	Study Area Extents	Direction	Existing Sidewalk Width (feet)	Average Distance between Marked Crossings (feet)[2]	Street Trees
Sunset Boulevard	Vin Scully Avenue	North-	6'-16'	1200'	Inconsistent
	Beaudry Avenue	South			
Vin Scully Avenue	Sunset Boulevard	East-	9'-12'	*N/A*	✓
	Lilac Place	West			
Innes Avenue	Sunset Boulevard	East-	4'-10'	*N/A*	✓
	Lilac Place	West			
Everett Street	Sunset Boulevard	North-	4'-9'	*N/A*	Inconsistent
	Everett Place	South			
Everett Place	Everett Street	North-	5'-7'	*N/A*	X
	-	South			
White Knoll Drive	Sunset Boulevard	North-East	4'-8'	*N/A*	✓
	Figueroa Terrace	South-West			
Marview Avenue	White Knoll Drive	North-	4'	*N/A*	X
	White Knoll Drive	South			
Figueroa Terrace	Marview Avenue	East-	6'-12'	*N/A*	Inconsistent
	Beaudry Avenue	West			
Beaudry Avenue	Sunset Boulevard	North-East	6'8'	500'	Inconsistent
	Figueroa Terrace	South-West			
Alpine Street	White Knoll Drive	East-	6'-8'	*N/A*	✓
	Beaudry Avenue	West			
College Street	Beaudry Avenue	East-	10'	*N/A*	✓
	Centennial Street	West			
Kensington Road	Douglas Street	North-	6'	1200'	✓
	Boston Street	South			
Edgeware Road	Douglas Street	North-	4'-6'	*N/A*	✓
	Bellevue Avenue	South			
Kellam Avenue	Douglas Street	East-	6'	*N/A*	✓
	Kensington Road	West			
Carroll Avenue	Douglas Street	East-	6'	*N/A*	✓
	Edgeware Road	West			
Calumet Avenue	Douglas Street	East-	5'-8'	*N/A*	✓
	Edgeware Road	West			
Marion Avenue	Sunset Boulevard	East-	4'-9'	600'	X
	Bellevue Avenue	West			
Bellevue Avenue	Sunset Boulevard	North-East	4'-12'	900'	Inconsistent
	Edgeware Road	South-West			
Boylston Street	Sunset Boulevard	East-	4'-9'	*N/A*	✓
	Boston Street	West			

TABLE 5 CONTINUED ON NEXT PAGE

Table 5 (Continued)

Street Name	Study Area Extents	Direction	Existing Sidewalk Width (feet)	Average Distance between Marked Crossings (feet)[4]	Street Trees
Boston Street	Boylston Street	North-	4'-8' (only partial on western side of street)	*N/A*	✓
	Edgeware Road	South			
Lilac Place	Vin Scully Avenue	East-	N/A	*N/A*	X
	Innes Avenue	West			
Sunvue Place	Boylston Street	North-	4'-6'	*N/A*	X
	-	South			
Alley, East of Beaudry Avenue	Figueroa Terrace	North-	N/A	*N/A*	X
	Alpine Street	South			
Alley, East of White Knoll Drive	Figueroa Terrace	North-	N/A	*N/A*	*N/A*
	Alpine Street	South			

Notes

1. This inventory was completed using aerial imagery and field visits.
2. Rounded to the nearest 100'.

Source: Fehr & Peers, 2023.

Table 6: Existing Pedestrian Amenities – Intersection Amenities[1]

Intersection	Pedestrian Signals[2]	Pedestrian Button	Crosswalk Type	Curb Ramp Type	Tactile Warning[3]
Sunset Boulevard / Vin Scully Avenue	✓	E/W only (N/S is automatic)	N: *none* (Prohibited) E: Continental S: Continental W: *N/A* (Sidewalk)	All: Diagonal	0/3
Sunset Boulevard / Innes Avenue	SSSC		All: Unmarked	All: Diagonal	0/2
Sunset Boulevard / Marion Avenue	✓	E/W only (N/S is automatic)	N: Continental E: N/A (Sidewalk) S: Continental W: Continental	NW: Diagonal NE: Directional SW: Diagonal SE: *none*	0/4
Sunset Boulevard / Everett Street	SSSC		All: Unmarked	All: Diagonal	0/2
Sunset Boulevard / Boylston Street	SSSC		All: Unmarked	All: Diagonal	0/2
Sunset Boulevard / White Knoll Drive	SSSC		All: Unmarked	All: Diagonal	0/2
Sunset Boulevard / Bellevue Avenue	SSSC		W: Continential w/median	All: Diagonal	0/2
Sunset Boulevard / Beaudry Avenue	✓	E/W only (N/S is automatic)	All: Continental	All: Diagonal	0/4
Vin Scully Avenue /	SSSC		All: Unmarked	NW: Directional NE: Diagonal SW: Directional	0/4
Everett Street / Everett Place	SSSC		All: Unmarked	All: *none*	0/2
White Knoll Drive / Marview Avenue	SSSC		All: Unmarked	All: Diagonal	0/2
Alpine Street / White Knoll Drive	SSSC		All: Unmarked	All: Diagonal	0/2
Alpine Street / Beaudry Avenue	SSSC		All: Unmarked	All: Directional	0/2
Beaudry Avenue / Alpine Street	SSSC		N: Unmarked S: Hi-Viz Continental E: Unmarked	NE: Diagonal SW: Directional SE: Diagonal	0/3
Marview Avenue / Figueroa Terrace	TWSC		All: Unmarked	All: Diagonal	0/4
White Knoll Drive / Figueroa Terrace	AWSC		All: Unmarked	All: Diagonal	3/4
Beaudry Avenue / Figueroa Terrace	TWSC		All: Unmarked	N: *none* SW/SE: Diagonal	0/2
Marion Avenue / Kensington Road	TWSC		All: Unmarked	NW/NE/SE: Diagonal SW: *none*	0/3

TABLE 6 CONTINUED ON NEXT PAGE

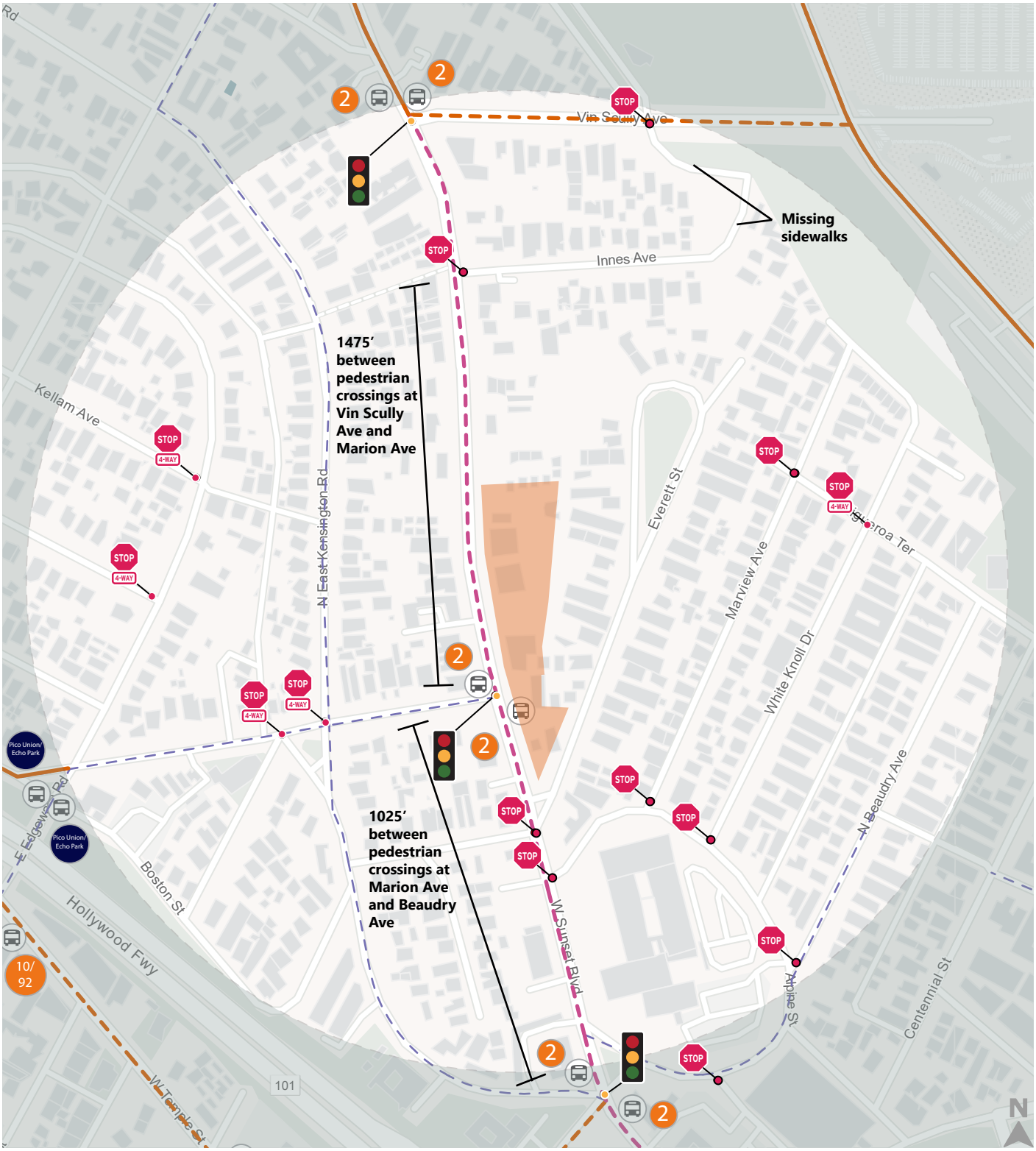
Table 6 (Continued)

Intersection	Pedestrian Signals[2]	Pedestrian Button	Crosswalk Type	Curb Ramp Type	Tactile Warning[3]
Bellevue Avenue /	AWSC		S/E: Unmarked	NW: *none*	0/2
Kensington Road			W: Ladder	SW: Diagonal	
Bellevue Avenue /	SSSC		All: Unmarked	All: Diagonal	0/2
Boylston Street					
Boylston Street /	Uncontrolled		All: Unmarked	SW: Diagonal	0/2
Sunvue Place				SE: Directional	
Bellevue Avenue /	Uncontrolled		All: Unmarked	All: Diagonal	0/2
Victor Street					
Edgeward Road /	AWSC		All: Unmarked	All: Diagonal	0/2
Kellam Avenue					
Edgeware Road /	AWSC		All: Unmarked	All: Diagonal	0/2
Carroll Avenue					
Bellevue Avenue /	AWSC		N/E: Standard	NW/SW/SE: Diagonal	0/4
Edgeware Road /			S/W: Ladder	NE: Directional	
Edgeware Road /	SSSC		All: Unmarked	All: Diagonal	0/2
Boston Street					

Notes

1. This inventory was completed using aerial imagery and reflects existing conditions.
2. TWSC = Two Way Stop Controlled; AWSC = All Way Stop Controlled; SSSC = Side Street Stop Controlled
3. The number of curb ramps equipped with tactile warnings out of the total number of curb ramps at the intersection.

Source: Fehr & Peers, 2023.



Project Site

1/4 mile radius from Project Site

Metro & DASH Stops (with route #)

Existing / Planned Bikeways

Class II Bike Lane

Class III Bike Route

Class IV Protected Bike Lane

Traffic Control Devices

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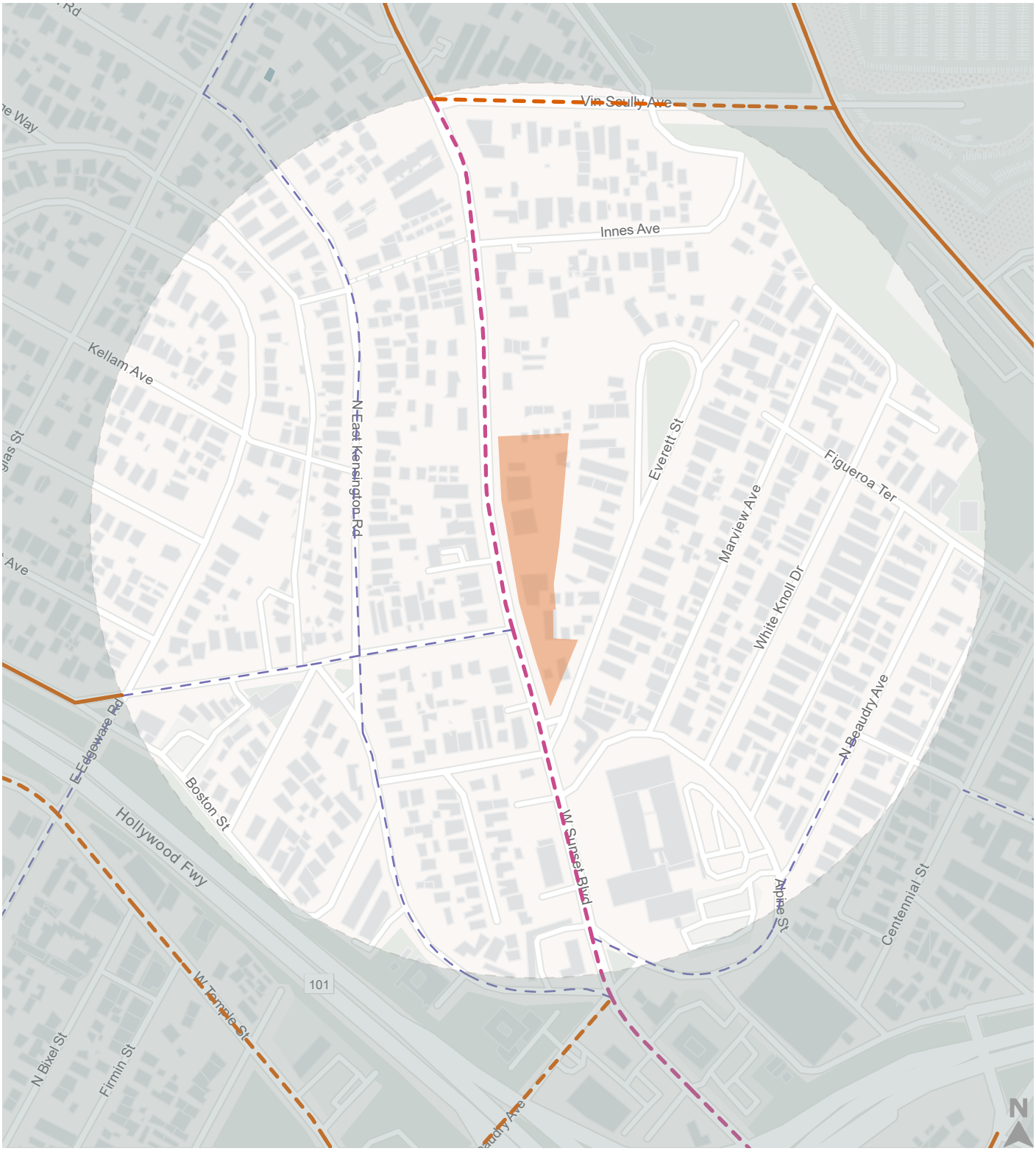
Figure 4

Sunset + Everett Project Pedestrian Facilities



Project Site

1/4 mile radius from Project Site

Existing / Planned Bikeways

Class II Bike Lane

Class III Bike Route

Class IV Protected Bike Lane

Figure 5

Esri Community Maps Contributors, County of Los Angeles, California State Parks, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA

Sunset + Everett Project
Existing & Proposed Bicycle Facilities

2.2 Cumulative Conditions

This section details the planned transportation improvements and proposed land use developments near the Project that are planned, underway, or anticipated to be completed by the buildout date of the Project.

Transportation Infrastructure Projects

There are several transportation projects planned and/or proposed within and near the Project:

- ***LA Aerial Rapid Transit:*** This project would provide a direct connection between Union Station and Dodger Stadium via an aerial gondola system. This transit system would generally travel along Alameda Street, Spring Street, and Bishop Road, traveling over the Los Angeles State Historic Park and SR-110. The proposed project's Draft EIR was released in October 2022.
- ***Sunset4All:*** This project would install protected bicycle lanes and other complete streets elements along Sunset Boulevard between Fountain Avenue and Douglas Street, and Santa Monica Boulevard between Sunset Boulevard and Virgil Avenue. There is currently no timeline for construction.
- ***Mobility Plan 2035*****:** This document identifies corridors proposed to receive improved bicycle, pedestrian, and vehicle infrastructure improvements. Proposed bicycle facilities are broken down into three tiers, as described in Chapter 3.1, and are proposed on the following streets:
    - **Tier 1 Bicycle Lanes** are planned on Sunset Boulevard.
    - **Tier 2 Bicycle Lanes** are planned on Vin Scully Avenue, Stadium Way, Temple Street, and Beaudry Avenue east of Sunset Boulevard.
    - **Moderate Plus Transit Enhanced Streets** are planned on Sunset Boulevard.

Figure 5 shows the planned bicycle improvements in the study area per the *Mobility Plan 203*5.

Related Projects

Related projects are developments that are planned, underway, or anticipated to be completed in the study area of the Project Site prior to the buildout date of the Project. The list of related projects within a half-mile radius of the Project was prepared based on data from LADOT[3] and the known development landscape of the area. **Table 7** includes the full list of related projects and their corresponding land use, size, and trip generation assumed to be in place by Year 2027. The location of each related project is illustrated in **Figure 6**.

[3] According to TAG, a half-mile radius from the Project Site was used to determine the related projects list in this TA instead of a quarter-mile radius from the farthest outlying study intersection since the half-mile radius is the farther of the two radius measurements.

Table 7: Related Projects

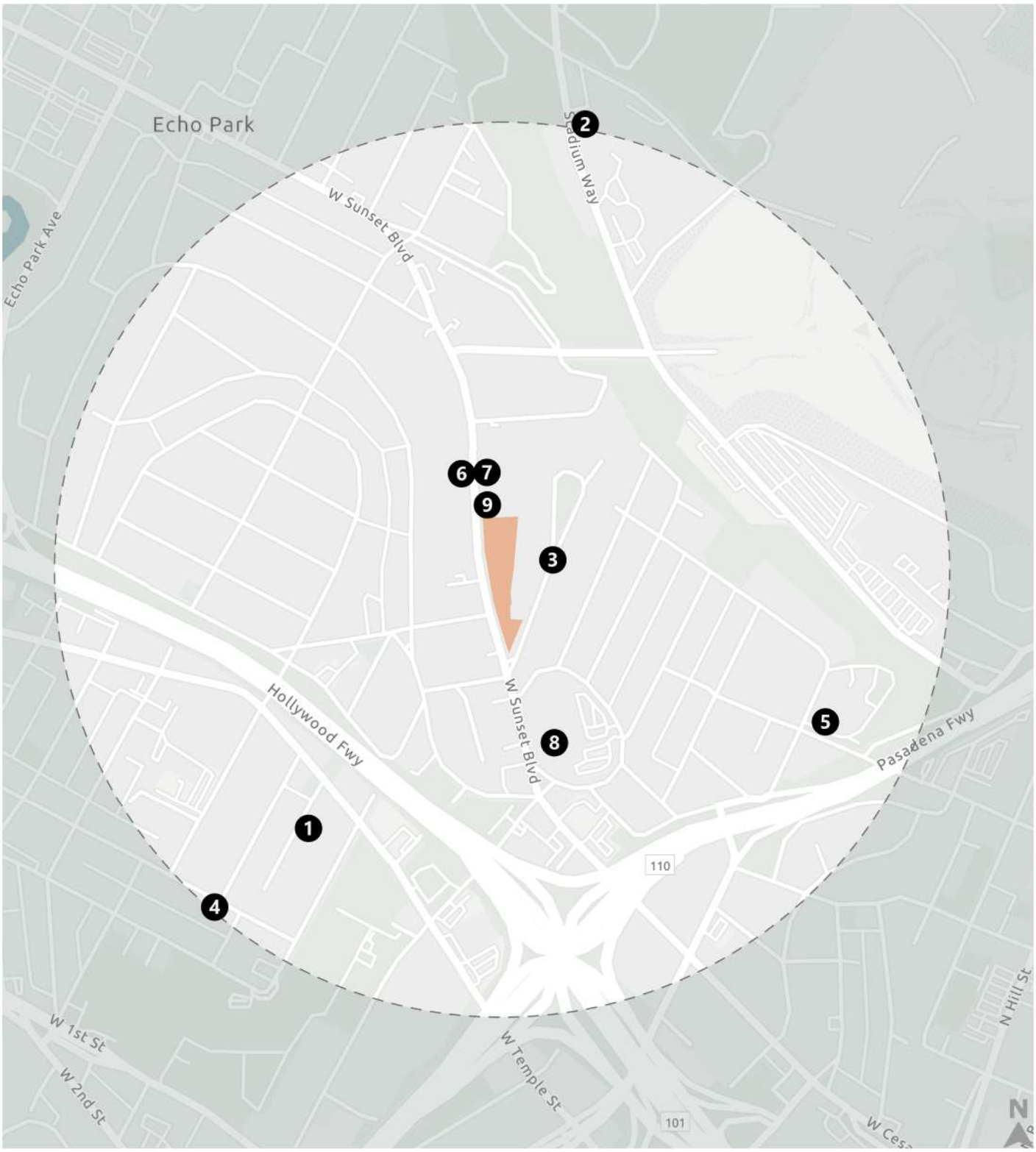
ID	Project Title	Project Address	Land Use	Size	Trip Generation Estimates [a]					
					AM Peak Hour			PM Peak Hour		
					In	Out	Total	In	Out	Total
1	Firmin Court Residential	418 N Firmin St	Apartments	64 du	6	9	15	6	4	10
2	Barlow Skilled Nursing Facility	2000 N Stadium Way	Medical	80.545 ksf	19	7	26	11	22	33
3	Evertt St (2016) Project	1013 N Everett St	Apartments	49 du	5	20	25	19	10	29
4	Apartments	1246 W Court St	Apartments	54 du	6	22	28	21	12	33
5	Kaiser LA Specialty Medical Center	765 W College St	Medical	100 ksf	178	48	226	78	198	276
			Mental Health Facility	62 beds						
6	1274 Sunset Hotel	1274 Sunset Blvd	Hotel	8 rooms	2	2	4	3	2	5
			Restaurant	1.47 ksf	11	9	20	12	12	24
7	1275 Sunset Residential	1275 Sunset Blvd	Apartments	77 du	7	20	27	18	12	30
8	1111 Sunset Mixed Use	1111 Sunset Blvd	Mixed Use	N/A [b]	241	290	531	386	282	668
9	1251 Sunset Residential	1251 Sunset Blvd	Apartments	74 du	7	22	29	21	13	34

du = dwelling units

ksf = one thousand square feet

[a] Based on information provided by LADOT on February 3, 2023 and *ITE Trip Generation Manual, 11th ed* , 2021

[b] Trip generation estimates for 1111 Sunset Mixed Use drawn from the project's Draft EIR.



Project Site

Related Projects

1/2 mile radius from Project Site

Esri Community Maps Contributors, County of Los Angeles, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA

Figure 6

Sunset + Everett Project
Related Projects

3. CEQA Transportation Assessment

3.1 Plans, Programs, Ordinances, and Policies Review

A review was conducted to determine whether the Project conflicts with a transportation-related City plan, program, ordinance, or policy that was adopted to protect the environment.

> **Threshold T-1:** Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities?

Under CEQA, a project is considered to not conflict with an applicable plan if it is consistent with the overall intent of the plan and would not preclude the attainment of its primary goals. A project does not need to be in perfect conformity with each and every policy. Any conflict with an applicable policy, plan, or regulation is only a significant impact under CEQA if the policy, plan, or regulation was adopted for the purpose of avoiding or mitigating an environmental effect and if the conflict itself would result in a direct physical impact on the environment. This evaluation was conducted in alignment with CEQA guidelines and the TAG, and includes a review of the following City documents:

- ***City of Los Angeles General Plan*** is a comprehensive policy document that informs future land use decisions. It is comprised of several elements that provide guidance for how land is used and how the City allocates its resources.
    - The *Mobility Plan 2035 (2016)*, adopted under the City's General Plan, is the Transportation Element of the General Plan. It incorporates "complete streets" principles and lays the policy foundation for the operation and design of streets and public right-of-way.
    - *The Plan for a Healthy Los Angeles (2015)* is an element of the City's General Plan and lays the foundation to create healthier communities for all Angelenos. The Plan "provides a high-level policy vision, along with measurable objectives and implementation programs to elevate health and environmental justice as a priority for the City's future growth and development."
- ***Citywide Design Guidelines (2019)*** establishes ten guidelines to carry out the common design objectives laid out in the City's General Plan Framework Element and 35 Community Plans. The guidelines are organized around one of three design approaches: Pedestrian-First Design, 360 Degree Design, and Climate-Adopted Design.
- ***Silver Lake-Echo Park-Elysian Valley Community Plan (2004)*** [4] is one of 35 Community Plans in the City that establish policies and programs that inform the framework for local land use, circulation, and service systems within the selected community plan area. The Silver Lake-Echo Park-Elysian Valley Community Plan highlights the broad contexts across the community area, which is mostly fairly dense, hillside neighborhoods with commercial corridors centered primarily

[4] An update to the Silver Lake-Echo Park-Elysian Valley Community Plan is expected but has not been adopted. The 2004 plan is currently in effect and forms the basis for this review of conflicts relating to the transportation system.

along Sunset Boulevard and Glendale Boulevard, with a number of smaller commercial areas. The community plan includes several transportation objectives, including a continuous system of bicycle and pedestrian trails along the Los Angeles River, Pedestrian Oriented Districts, traffic calming to alleviate impacts of commuter traffic, and increased bus service to connect hillside neighborhoods to commercial areas and Metro rail stations, and residential development in areas with access to employment and retail destinations.

- ***Municipal Code of the City of Los Angeles*** codifies the regulatory and penal ordinances of the City. The current Sixth Edition assists City officials, departments, and other governmental agencies in their functions, and "will serve the people as the official source of information regarding the regulations enacted by the City of Los Angeles for the preservation of the public peace, health and safety."[5]
- ***Vision Zero Los Angeles (2017)***[6] is a plan that strives to eliminate traffic-related deaths in Los Angeles by 2025 through multiple strategies such as modifying streets to better serve vulnerable road users.

Conflicts with Relevant Plans, Programs, Ordinances, and Policies

Table 8 provides a discussion of the Project's potential conflicts with the plans described above. **Appendix D** provides a detailed evaluation of the Project's potential conflicts regarding specific questions presented in the TAG. As can be seen in Table 8 and in the detailed evaluation in **Appendix D**, the Project does not conflict with the various regional and local plans, programs, ordinances, and policies related to transportation.

[5] *City of Los Angeles Municipal Code*, 6th Edition, effective September 2002.
[6] *Vision Zero Los Angeles 2015-2025 Action Plan*, effective January 2017.

Table 8: Conflict with Plans, Programs, Ordinances, and Policies Review

Plan, Program, Ordinance, or Policy	Conflict Review
City of Los Angeles Mobility Plan 2035	The Project's proposed land use and design features including site access; pedestrian, bicycle, and transit accessibility; and loading areas, would not conflict with the policies of the *Mobility Plan 2035* . Sunset Boulevard at the western boundary of the Project Site is part of the Bicycle Enhanced Network, Pedestrian Enhanced Districts, and Transit Enhanced Network. Vin Scully Avenue is part of the Bicycle Enhanced Network and Pedestrian Enhanced Districts. Marion Avenue is part of the Neighborhood Enhanced Network. Beaudry Avenue west of Sunset Boulevard is part of the Bicycle Enhanced Network and Pedestrian Enhanced Districts. The Project would not conflict with the implementation of future projects in the public right-of-way on these networks.
City of Los Angeles Transportation Demand Management (TDM) Program	The Project is not required to comply with the City's TDM Program because its commercial use component does not exceed 25,000 square feet.
Citywide Design Guidelines	The Project would not conflict with the circulation components of the *Citywide Design Guidelines* . The guidelines call for incorporating vehicular access such that it does not discourage and/or inhibit the pedestrian experience and promoting a safe, comfortable, and accessible pedestrian experience.
Silver Lake-Echo Park-Elysian Valley Community Plan (2004)	The Project does not conflict with the transportation components of the *Silver Lake-Echo Park-Elysian Valley Community Plan* . The Project's prioritization of pedestrian and bicycle access, along with unbundled parking, coincide with the City's goals of increasing the ease by which transit riders, cyclists, and pedestrians can access the site. Additionally, the Project concentrates new residential development on a major transportation corridor, an important objective of the Community Plan.
Municipal Code of the City of Los Angeles	The Project and its features do not conflict with the City's Municipal Code. The Project would be in accordance with code requirements such as providing bicycle parking and providing adequate sight distance. In addition, at least 30 percent of the Project's parking spaces would be capable of supporting future electric vehicle supply equipment, and 10 percent of spaces would have EV charging.
Plan for a Healthy Los Angeles	The Project does not conflict with the *Plan for a Healthy Los Angeles* . It strives to reduce vehicle miles traveled and greenhouse gas emissions by providing mixed use development with a variety of land uses in a neighborhood with high walkability and transit access.
Vision Zero Los Angeles	The Project does not conflict with the goals and objectives set forth in *Vision Zero Los Angeles* and would not conflict with the implementation of future Vision Zero projects in the public right-of-way. The western boundary of the Project is Sunset Boulevard, which is identified as part of the HIN. The Project's proposed auto access is on Sunset Boulevard and would reduce the number of existing curb cuts along Project frontage to three. Additionally, vehicles exiting the Project via Driveways A and B onto Sunset Boulevard are limit to right-turns only to reduce the likelihood of conflict with northbound vehicles on Sunset Boulevard. The Project is not located in a Safe Routes to School program area.

Cumulative Analysis

The nearest related project to the Project Site is a 49-unit residential development located at 1013 Everett Street approximately 0.1-mile northeast of the Project Site. A cumulative impact could occur if the Project as well as related projects located on the same block were to preclude the City's ability to implement relevant plans, programs, ordinances, and policies. These projects in combination would have a less-than-significant cumulative impact. Accordingly, the Project would not contribute to significant cumulative impacts in conflict with transportation policies and standards and thus, would not conflict with City transportation plans, programs, ordinances, and policies.

Conclusion and Recommended Actions

The Project features, location, and design generally support multimodal transportation options and would not conflict with City plans, policies, ordinances, and programs put in place to protect the environment. Thus, the Project would result in a less-than-significant impact, and therefore there are no mitigations required.

3.2 Vehicle Miles Traveled Analysis

In accordance with the Governor's Office of Planning and Research (OPR) CEQA guidance[7] as well as *City of Los Angeles Mobility Plan 2035* goals and objectives, the City has set the following significance criteria for transportation impacts based on vehicle miles traveled for land use projects and plans.

> **Threshold T-2.1:** For a land use project, would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)? The intent of this threshold is to assess whether a land use project or plan causes substantial vehicle miles traveled.

The Project's impact on vehicle miles traveled was assessed utilizing LADOT's VMT Calculator Version 1.3. The VMT Calculator considers a project's land uses, proposed transportation demand management strategies, and location within the City to estimate the project's impact on vehicle miles traveled, assessed against the City's established impact criteria.

Impact Criteria

The TAG establishes the City's VMT impact criteria, which states that a land use project may have a potential significant impact if the project meets one or more of the following criteria:

- For residential projects, the project would generate daily household VMT per capita exceeding 15% below the existing average household VMT per capita for the Area Planning Commission (APC) area in which the project is located. This criterion was used for the residential component of the Project.
- For office projects, the project would generate daily work VMT per employee exceeding 15% below the existing average work VMT per employee for the APC in which the project is located. The Project does not have an office component.
- For regional serving projects including retail projects, entertainment projects, and/or event centers, the project would result in a net increase in VMT. Retail projects less than 50,000 square feet in size are considered local serving. New retails uses greater than 50,000 square feet may also be considered local serving, if an applicant provides documentation that most of the vehicle trips would be originating from the project area. This criterion was used for the commercial/retail component of the Project.

For mixed-use projects, the project VMT impact should be considered significant if, after taking credit for internal capture, the project exceeds the impact criteria for one or more of a project's particular land uses, with each land use evaluated separately. **Table 9** outlines the City's VMT impact criteria based on these guidelines. The Project is in the East Los Angeles APC, which has a daily work VMT per employee significance threshold of **12.7** and daily household VMT per capita significance threshold of **7.2**.

[7] *Technical Advisory on Evaluation Transportation Impacts in CEQA*, December 2018.

Table 9: City of Los Angeles VMT Impact Criteria (15% Below APC Average)

Area Planning Commission	Daily Household VMT per Capita	Daily Work VMT per Employee
Central	6.0	7.6
East Los Angeles	**7.2**	**12.7**
Harbor	9.2	12.3
North Valley	9.2	15.0
South Los Angeles	6.0	11.6
South Valley	9.4	11.6
West Los Angeles	7.4	11.1

Source: LADOT *Transportation Assessment Guidelines* , 2022.

Per the TAG, a project could have a significant cumulative impact on VMT if the project has both a significant project-level impact as determined above and conflicts with the Southern California Association of Governments'[8] (SCAG) Regional Transportation Plan/Sustainable Communities Strategy[9] (2020-2045 RTP/SCS) in terms of development location, density, and intensity.

Impact Analysis

The Project's land uses are outlined in **Table 10**. In alignment with TAG guidance for mixed-use projects, both the commercial/retail and residential land uses are subject to this threshold. Since the Project's commercial component is well below the 50,000-square feet threshold, it is presumed to be local-serving and to have a less-than-significant impact on VMT. The estimated daily household VMT per capita for the Project would be 5.3 and is presented in **Table 11**. The Project's estimated total daily VMT would be 11,632 and is shown in **Appendix E.**

The Project's estimated daily household VMT per capita is below the threshold of significance for the East Los Angeles APC; therefore, the Project would not have a significant VMT impact.

Cumulative Impacts

Consistent with the TAG, the Project was reviewed for consistency with the 2020-2045 RTP/SCS. The 2020-2045 RTP/SCS is a regional plan that demonstrates compliance with air quality conformity requires and greenhouse gas (GHG) reduction targets. Projects and land use plans that fall under the City's efficiency-based impact thresholds for VMT are already shown to align with the long-term VMT and GHG reduction goals of the 2020-2045 RTP/SCS. Given the Project's location in a dense, urban area and proximity to quality public transit, the Project would not conflict with the applicable goals and objectives of the 2020-2045 RTP/SCS. The Project proposes adding housing units in Los Angeles, which has a shortage of available housing. Since the Project would not have a significant project-level VMT impact, therefore, the Project's cumulative impact on VMT would be less than significant.

Conclusion and Recommended Actions

The analysis in this report demonstrates that the Project would result in a less-than-significant impact on VMT and no mitigation measures would be required. This conclusion is based on research and substantial evidence that infill developments with this level of transit proximity and accessibility tend to generate fewer overall vehicle trips, and those vehicle trips tend to be shorter than if the Project were built in a less dense area with less access to multimodal travel options, resulting in the Project's VMT being below the thresholds of significance. **Appendix E** contains additional information about the inputs and supporting documentation for the VMT analysis.

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[8] SCAG is the nation's largest metropolitan planning organization. Its primary purpose is to research and produce plans for transportation, growth management, hazardous waste management, and air quality.

[9] The RTP/SCS is a regional plan that demonstrates compliance with air quality conformity requirements and emissions reductions targets. It provides a comprehensive look at future transportation needs and maps out how the region will integrate transportation and land use. The latest update is *Connect SoCal* (2020-2045 RTP/SCS) adopted by the SCAG Regional Council in 2020.

Table 10: Project Land Uses

Proposed Land Use	Proposed Land Use Size
Market Rate Multi-Family Housing	286 DU
Income-Restricted Housing	41 DU

Table 11: Project Household VMT per Capita

Proposed Project Daily Household VMT per Capita	Threshold of Significance[2]	Significant VMT Impact?
5.3	7.2	No

Notes

1. Project Daily Household VMT per Capita estimated using the VMT Calculator Version 1.3.

2. Threshold of significance for residential land use projects in the East Los Angeles APC.

3.3 Geometric Design Feature Review

The Project's preliminary site plan was reviewed for potential geometric design hazards due to the configuration of Project automobile, bicycle, and pedestrian access points. The TAG lists the following threshold of significance for proposed land use projects:

> **Threshold T-3:** Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Impact Analysis

Automobile Access

There are currently 13 driveways serving the Project Site along Sunset Boulevard. The Project proposes reducing vehicular access points to three driveways (Access A, B, and C) on Sunset Boulevard. The other existing vehicle access points to the Project site would be closed. Below is a description of the Project's proposed driveways:

- **Access A:** The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard at the northern end of the Site. Outbound left-turns from this driveway would not be permitted.
- **Access B:** The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard in the middle of the Site. Outbound left-turns from this driveway would not be permitted.
- **Access C:** The Project proposes a full-access driveway that would form the fourth leg (west facing) of the signalized intersection of Sunset Boulevard and Marion Avenue.

Each driveway would serve separate parking structures. The Project's vehicular driveways would be designed to the City standards and would provide adequate sight distance. They would not require the removal or relocation of existing public transit stops. Sunset Boulevard along the Project Site is part of the designated HIN, however, the number of Project Site driveways along Sunset Boulevard would be reduced from 13 to three. The Project would not increase hazards by potentially precluding the ability for the City to implement safety improvements along HIN roadways.

Pedestrian Access

Pedestrian access to the Project would be provided via street-facing entrances along Sunset Boulevard with a series of internal pedestrian walkways throughout the Project Site. This would allow easy access to the public right-of-way and other destinations. The Project's pedestrian access locations would be designed to the City standards and would not increase hazards by introducing entrances that would cause visibility issues or conflicts between vehicles and pedestrians.

Bicycle and Micromobility Access

Residents, patrons, and employees arriving to the Project Site by bicycle, scooter, or other non-motorized forms of transportation would have the same access opportunities to the Project Site via the pedestrian entrances. 21 short-term bicycle parking spaces would be provided in the public right-of-way. 162 long-term bicycle parking spaces would also be provided for building residents via elevator connections on-site.

Therefore, the Project would not increase hazards by introducing bicyclist entrances that would cause visibility issues or conflicts between vehicles and bicyclists.

Conclusion and Recommended Actions

As described above, the Project's design does not include hazardous geometric design features. The roadways adjacent to the Project Site are part of the urban roadway network and contain no sharp curves and the development of the Project would not result in roadway alterations such that hazards would be introduced adjacent to the Project Site. In addition, the proposed residential use would not conflict with other properties near the Project Site, and the proposed residential and commercial uses would not introduce hazards due to incompatible uses. Thus, the Project would result in a less-than-significant impact to hazards due to a geometric design feature or incompatible uses. **Appendix B** contains more detailed responses to the TAG evaluation questions that support this conclusion.

3.4 Freeway Safety Analysis

The TAG provides guidance on freeway safety analysis for land use projects that are required to prepare a transportation assessment.[10] The freeway safety analysis evaluates a proposed project's potential to cause or lengthen a forecasted off-ramp queue on the freeway mainline that could lead to a potential safety impact due to speed differentials between vehicles exiting the freeway off-ramps and vehicles traveling on the freeway mainline.

The TAG guidance on freeway safety analysis requires analysis of freeway off-ramps where a proposed project is projected to add 25 or more trips in either the morning or afternoon peak hour to be studied for potential queuing impacts. Chapter 4 of this TA provides a comprehensive Project trip generation and distribution analysis. Because the proposed project is not projected to add 25 or more peak hour trips at any freeway off-ramps, a freeway ramp analysis is not required. The Project is estimated to generate no more than 53 new inbound trips during either peak hour, of which less than 10% would be expected to utilize any single freeway off-ramp.

Therefore, the Project is not projected to cause a significant safety impact and no further analysis is required.

[10] LADOT *TAG*, August 2022

4. Non-CEQA Transportation Assessment

The purpose of the non-CEQA transportation assessment required in the TAG is to promote orderly development, evaluate and address transportation-system deficiencies, and promote public safety and the general welfare by ensuring that development projects are properly related to their sites, surrounding properties, and traffic circulation.

4.1 Pedestrian, Bicycle, and Transit Access

The pedestrian, bicycle, and transit facilities assessment is intended to determine a project's potential effects on pedestrian, bicycle, and transit facilities in the vicinity of a proposed project based on an evaluation of physical or demand-based considerations that would affect the experience of people utilizing the multimodal transportation network. **Figure 7**, **Figure 4**, **Table 5**, and **Table 6** provide a map of pedestrian destinations and inventory of the pedestrian facilities (i.e., crosswalks and curb ramps) within 1,320 feet of the edge of the Project Site.

As shown in **Table 6**, curb ramps with tactile warnings and/or marked crosswalks are not present at some of the nearby unsignalized intersections, particularly in residential areas west of the Project. At signalized intersections, traffic signals are either programmed to provide walk phases during every signal cycle or push buttons are provided. Curb ramps are missing at the intersection of Sunset Boulevard and Marion Avenue.

The following checklist from the TAG was reviewed to evaluate whether direct or indirect Project effects would lead to removal, modification, or degradation of pedestrian, bicycle, or transit facilities:

- Removal or degradation of existing sidewalks, crosswalks, pedestrian refuge islands, and/or curb extensions/bulbouts.
    - No, the Project would not remove or degrade existing pedestrian facilities because the Project would retain the existing sidewalk widths adjacent to the Project Site consistent with the right-of-way width requirements in *Mobility Plan 203*5. The Project would remove most of the existing curb cut driveways along the Project Site, which would improve the pedestrian experience.
- Removal or degradation of existing bikeways and/or supporting facilities (e.g., bikeshare stations, on-street bike racks/parking, bike corrals, etc.)
    - No, the Project would not remove or degrade the existing bikeways and/or supporting facilities. In the Project study area, the bicycle facilities are mainly comprised of Class II bikeways, including Sunset Boulevard north of Vin Scully Avenue. The Project would provide 162 long-term bicycle parking spaces to residents to promote bicycle

connectivity between both Project Sites and the surrounding neighborhoods. The Project would also provide 21 short-term bicycle parking spaces. The Project would not preclude the City from implementing any planned bicycle facilities.

- Removal or degradation of existing transit and/or local circulator facilities including stop, bench, shelter, concrete pad, bus lane, or other amenities
    - No, the Project would not degrade existing transit and/or local circulator facilities. The Project Site is directly served by LA Metro Route 4, and Metro Route 92 and DASH Pico Union/Echo Park 0.25 mile to the west. LA Metro Route 4 is a high-frequency bus route.
- Removal of other existing transportation system elements supporting sustainable mobility
    - No, the Project does not propose to remove sustainable transportation elements. The Project encourages the development of a sustainable transportation system with its provision of bicycle parking, maintenance of sidewalks, and proposed development near transit. The Project will also provide approximately 32 parking spaces with EV charging stations and 74 EV-ready parking spaces.
- Increase street crossing distance for pedestrians; increase in number of travel/turning lanes; increase in turning radius or turning speeds.
    - No, the Project does not propose any changes to the public right-of-way that would increase street crossing distance for pedestrians, increase the number of travel lanes, or increase turning speeds.
- Removal, degradation, or narrowing of an existing sidewalk, path, crossing, or pedestrian access
    - No, the Project does not propose to remove, degrade, or narrow sidewalks or limit pedestrian access paths. The Project would retain or increase the existing sidewalk widths within and adjacent to the Project Site consistent with the right-of-way width requirements in *Mobility Plan 203*5.
- Removal or narrowing of existing sidewalk-street buffering elements (e.g., curb extension, parkway, planting strip, street trees, etc.)
    - No, the Project does not propose the removal or narrowing of existing sidewalk-street buffering elements. The Project also does not propose to remove any non-protected street trees located in the right-of-way adjacent to the Project Site.
- Increase in pedestrian or vehicle volume, and thereby increase the need or attraction to cross a street at unmarked pedestrian crossings or unsignalized or uncontrolled intersections where a crossing is not available without significant rerouting.

- Yes, the Project is projected to increase pedestrian and vehicle volumes at intersections surrounding the Project Site due to the increase in residents, visitors, and workers. However, signalized and marked crosswalks are available to access other destinations in the area. Therefore, the Project would not increase the need or attraction to cross streets at unmarked or uncontrolled pedestrian crossings.

- Result in new pedestrian demand between project site entries/exits and major destinations or transit stops expected to serve the development where there are missing pedestrian facilities (e.g., gaps in the sidewalk network) or substandard pedestrian facilities (e.g., narrow or uneven sidewalks, no crosswalks at intersections or mid-block, no marked crossing, or push button crossing rather than actuated, etc.).
    - There are currently missing curb ramps at the signalized intersection of Sunset Boulevard and Marion Avenue, which would also serve the Project Site's Access C. However, these would be added as part of the installation of the fourth leg of this intersection as part of the Project. There are unmarked crossings at nearby minor street intersections in residential areas to the south that may be used by pedestrians from the Project. However, most of these intersections connect lower-volume/local streets.
- Increase transit demand at bus stops that lack marked crossings, with insufficient sidewalks, or are in isolated, unshaded, or unlit areas.
    - The Project will increase transit demand at bus stops along Sunset Boulevard near the Project Site. These bus stops are served by signalized crosswalks and sidewalks. The bus stops do not provide dedicated lighting or shade but are adjacent to other active uses with ambient lighting.

No Project-related deficiencies or recommended actions were identified in this analysis. However, the Project proposes a related volunteered project design feature as part of construction:

- Coordinate with StreetsLA and the necessary City departments to provide a transit shelter at the bus stop located along Project frontage at the intersection of Sunset Boulevard and Marion Avenue to provide an enhanced experience for transit riders.

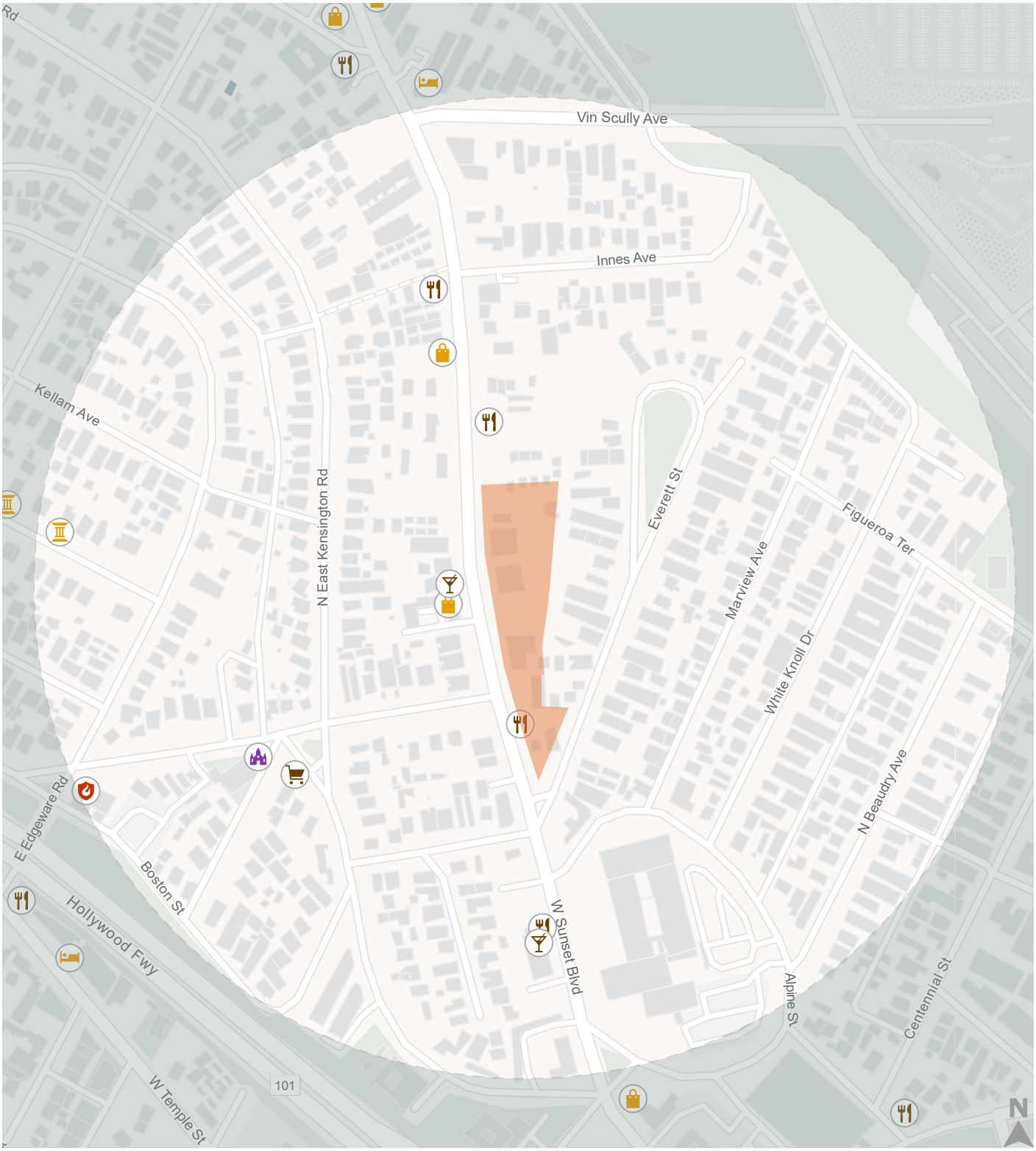

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Figure 7

Sunset + Everett Project
Pedestrian Attractors Inventory

4.2 Project Access, Safety, and Circulation Evaluation

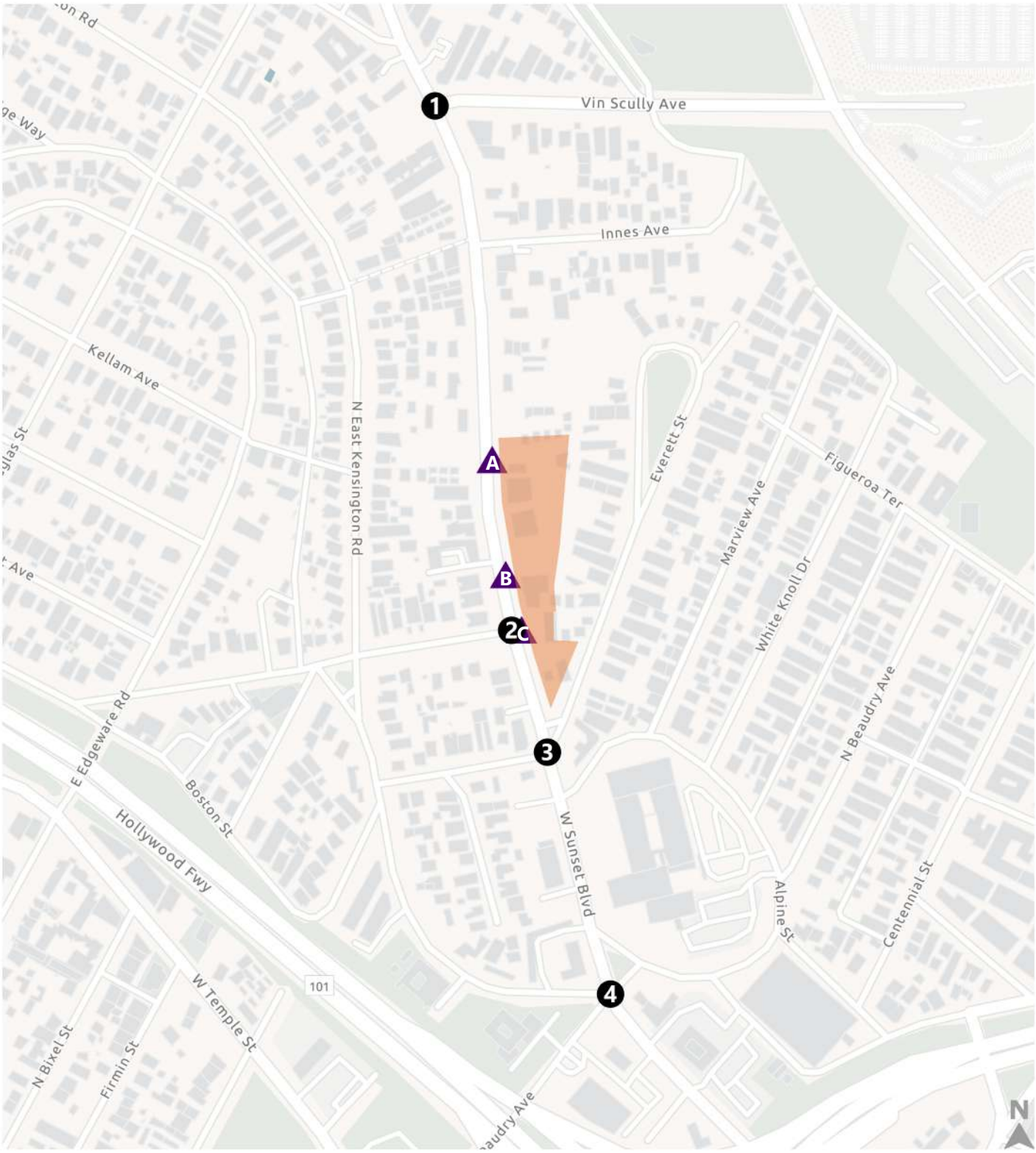
This section documents the peak hour intersection analysis conducted based on the screening criteria and trip threshold for intersection analyses provided in the TAG.

Study Analysis Locations

The study locations were selected for analysis based on guidance from the TAG, which indicates that intersections on either end of the Project's block, unsignalized intersections adjacent to the Project or integral to Project access, and signalized intersections in proximity to the Project Site through which 100 or more Project-generated trips would travel should be analyzed. The study intersections for the Project are illustrated in **Figure 8** and listed in **Table 12**.

Level of Service Methodology

Per the TAG, this analysis uses the *Highway Capacity Manual, 6th Edition* (HCM) (Transportation Research Board, 2016) methodology to evaluate the operation of Project driveways and nearby intersections. The LOS analysis was performed using the Synchro 11 software program. Synchro calculates vehicle delay, 95th percentile turning movement queues, and level of service (LOS) at intersections based on procedures outlined in the HCM. This methodology was used to determine the intersection delay in seconds, corresponding level of service (LOS), and queuing at the signalized, unsignalized, and driveway study intersections. **Table 13** presents the definitions for LOS.



Project Site

Study Intersections

Project Driveway

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Figure 8

Sunset + Everett Project
Study Intersections

Table 12: Study Intersections/Driveways

Intersection Number	North/South	East/West
1	Sunset Boulevard	Vin Scully Avenue
2	Sunset Boulevard	Marion Avenue/Driveway C
3	Sunset Boulevard	Everett Street
4	Sunset Boulevard	Beaudry Ave
Driveway ID	**North/South**	**East/West**
A	Sunset Boulevard	Driveway A
B	Sunset Boulevard	Driveway B

Table 13: Level of Service Defintions for Intersections (HCM 6 Methodology)

Level of Service	Average Stopped Delay per Vehicle (seconds) [Unsignalized]	Average Stopped Delay per Vehicle (seconds) [Signalized]	Definition
A	≤10	≤10	EXCELLENT. No vehicle waits longer than one red light and no approach phase is fully used.
B	>10 and ≤15	>10 and ≤20	VERY GOOD. An occasional approach phase is fully utilized; many drivers begin to feel somewhat restricted within groups of vehicles
C	> 15.0 and ≤ 25.0	>20 and ≤35	GOOD. Occasionally drivers may have to wait through more than one red light; backups develop behind turning vehicles.
D	> 25.0 and ≤ 35.0	>35 and ≤55	FAIR. Delays may be substantial during portions of the rush hours, but enough lower volumes periods occur to permit clearing of developing lines, preventing excessive backups.
E	> 35.0 and ≤ 50.0	>55 and ≤80	POOR. Represents the most vehicles intersection approaches can accommodate; may be long lines of waiting vehicles through several signal cycles.
F	>50	>80	FAILURE. Backups from nearby locations or on cross streets may restrict or prevent movement of vehicles out of the intersection approaches. Tremendous delays with increasing queue lengths.

Source: *Highway Capacity Manual, 6th Edition,* Transportation Research Board, 2016.

Analysis Scenarios

Three scenarios were analyzed (see below), each under three conditions: weekday AM and PM peak hour on a day without a Los Angeles Dodgers home game at nearby Dodger Stadium at 1000 Vin Scully Avenue, and PM peak hour on the day of a Dodgers evening home game. The inclusion of a Dodgers home game day incorporates the unique traffic patterns of attendees arriving at the stadium. The analysis takes into account modified lane configurations and signal timings at the intersection of Sunset Boulevard and Vin Scully Avenue (Study Intersection #1). The three scenarios are the following:

- **Existing (2023) Conditions:** Intersection turning movement counts were obtained for the study area and LOS was calculated to determine Existing conditions.
- **Opening Year (2027) No Project:** Based on the City's travel demand model and with the concurrence of LADOT, it was established that an ambient growth rate of 1.0% per year should be applied to adjust the Existing traffic volumes to reflect the effects of regional growth and development. This adjustment was applied to the Existing (2023) traffic volume data to reflect the effect of ambient growth by the year 2027. Additionally, Opening Year traffic forecasts include the effects of known specific projects, called related projects, expected to be implemented in the study area of the Project Site prior to the buildout date of the Project.
- **Opening Year (2027) Plus Project:** Project trip estimates were added to the Opening Year No Project forecasts.

Existing Traffic Conditions

Existing Traffic Volumes

New weekday AM and PM peak hour turning movement counts at the study intersections were collected in the Spring and Fall of 2023, when all local schools were in session. In addition, weekday PM peak hour turning movement counts at the study intersections were also collected on an evening where the Los Angeles Dodgers were playing a typical baseball home game at Dodger Stadium. This would capture pre-game inbound traffic into Dodger Stadium, which coincides with the typical PM peak hour. During these events, LADOT traffic control officers (TCOs) usually direct traffic at signalized intersections to improve intersection efficiency while non-game traffic may choose different routes to avoid the area. The COVID-19 Pandemic has resulted in societal changes and a "new normal" that caused changes in travel behavior and traffic volumes. Since 2021, pandemic-related shutdowns and government mandates have ended, and local schools and a majority of the workforce have returned to in-person environments. While further unknown changes in traffic volumes could still occur with the passage of time, 2023 offers a relatively stable and representative snapshot of current traffic conditions.

Weekday peak hour volumes and lane configurations at the study intersections are provided in **Appendix F**. Count sheets for these intersections are contained in **Appendix H** (non-Dodgers home game) and **Appendix I** (Dodgers home game).

Existing Level of Service

Existing (2023) traffic volumes in **Appendix F** were analyzed using the methodology described above to determine the operating conditions at the study intersections.

Table 14 presents the Existing (2023) weekday peak hour LOS for the study intersections. Analysis sheets are contained in **Appendix G**.

Traffic counts during the Dodgers evening home game period represent actual throughput, not demand. During pre-event periods, demand on Sunset Boulevard is high with significant congestion. Due to the gameday traffic operations with TCOs at intersections, less demand is served than the available capacity, and HCM queue and LOS results may appear better than the observed conditions.

Table 14: Existing (2023) Intersections Level of Service

NO.	Intersection	Control Type	Peak Hour	Existing (2023)	
				Average Vehicular Delay (sec/veh) [b]	LOS
1	Sunset Blvd & Vin Scully Ave	Signalized	AM	27.6	C
			PM	11.7	B
			PM (Dodgers)	31.7	C
2	Sunset Blvd & Marion Ave	Signalized	AM	7.8	A
			PM	4.1	A
			PM (Dodgers)	3.9	A
3	Sunset Blvd & Everett St	SSSC [a]	AM	31.4	D
			PM	38.2	E
			PM (Dodgers)	67.8	F
4	Sunset Blvd & Beaudry Ave	Signalized	AM	10.2	B
			PM	29.8	C
			PM (Dodgers)	30.6	C

Note:

[a] SSSC = Side Street Stop-Controlled

[b] Worst-performing movement reported for LOS and delay for unsignalized intersections.

Project Traffic

The development of peak hour vehicular traffic estimates for the Project involves the use of a three-step process: trip generation, trip distribution, and traffic assignment.

Trip Generation

The Project is a mixed-use development, with proposed uses being provided in two seven story buildings with the following land uses:

- 286 market-rate multi-family residential dwelling units
- 41 income-restricted multi-family residential dwelling units
- 9,462 sf of high-turnover sit-down restaurant space

Trip generation rates from Trip Generation, 11th Edition (Institute of Transportation Engineers [ITE], 2021) and the TAG were used to estimate the number of peak hour trips associated with the Project and are presented in **Table 15**. The Project is in an area that meets the Dense Multi-Use Urban ITE definition; therefore, the trip generation rates for Dense Multi-Use Urban were used when available per ITE and TAG guidance for the residential uses. These rates already consider the effects of transit and other non-automotive modes on trip-making, so no further external trip adjustments were utilized for the residential uses. Because Dense Multi-Use Urban trip generation rates are not available from ITE for the restaurant use, ITE's General Urban/Suburban trip generation rates were used for these uses and a 15% trip generation adjustment that consider the effects of transit, walking, and biking was applied in accordance with the TAG. Further adjustments were applied to all land uses to account for internalized trips between existing to remain and proposed uses based on MXD 2.0 *Mixed Use Trip Generation Methodology*. The MXD methodology was developed in partnership with the United States Environmental Protection Agency (EPA) to more accurately estimate the internalization of project trips associated with mixed-use developments and districts, which typically generate fewer vehicle trips than single use developments located in more isolated settings. Subsequent to the development of the original MXD methodology, Fehr & Peers has updated and refined the methodology to include additional model sensitivities, updated ITE trip generation rates, and updated input data from the City's travel demand model. Finally, a pass-by adjustment was applied to the restaurant use in accordance with the TAG to account for Project-generated traffic that is already present on adjacent roadways for reasons other than accessing the Project. Table 15 presents the trip generation methodology in detail. As shown, the Project is projected to generate a net increase of 152 trips (55 inbound/97 outbound) in the AM peak hour and 137 trips (81 inbound/56 outbound) in the PM peak hour.

Trip Distribution

The geographic distribution of trips generated by the Project is dependent on the characteristics of the street system serving the Project Site, the level of accessibility of routes to and from the Project Site, and locations of employment, commercial centers, and residential areas to which residents of the Project and from which the visitors to the Project would be drawn. The distribution pattern developed for the Project

were informed by these characteristics and distribution information from the Los Angeles citywide travel demand model. The Project's estimated trip distribution is illustrated in **Figure 9.**

Traffic Assignment

The traffic to be generated by the Project was assigned to the street network using the distribution patterns described in **Figure 9**. **Appendix F** provides the assignment of the Project-generated peak hour traffic volumes at the analyzed intersections during the AM, PM, and PM with Dodgers game peak hours. The assignment of traffic volumes took into consideration the locations of the Project driveways, turning restrictions, neighborhood circulation patterns, and traffic control devices to minimize difficult turning maneuvers and circuitous routes.

Table 15: Project Vehicle Trip Generation Estimate

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]						Estimated Trip Generation					
			AM Peak Hour			PM Peak Hour			AM Peak Hour Trips			PM Peak Hour Trips		
			Rate	In%	Out%	Rate	In%	Out%	In	Out	Total	In	Out	Total
PROPOSED PROJECT														
Multifamily Housing (Mid-Rise)	TAG	286 DU	0.31	23%	77%	0.30	61%	39%	20	69	89	52	34	86
Less: Internal Capture [b]				*4%*	*4%*		*7%*	*7%*	*(1)*	*(3)*	*(4)*	*(4)*	*(2)*	*(6)*
Less: Transportation Demand Management (TDM) Adjustment [e]				*10%*	*10%*		*10%*	*10%*	*(2)*	*(7)*	*(9)*	*(5)*	*(3)*	*(8)*
Net External Vehicle Trips									17	59	76	43	29	72
Family Affordable Housing (Inside TPA Area)	TAG	41 DU	0.49	37%	63%	0.35	56%	44%	7	13	20	8	6	14
Less: Internal Capture [b]				*4%*	*4%*		*7%*	*7%*	*0*	*(1)*	*(1)*	*(1)*	*0*	*(1)*
Less: Transportation Demand Management (TDM) Adjustment [e]				*10%*	*10%*		*10%*	*10%*	*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
Net External Vehicle Trips									6	11	17	6	5	11
Restaurant (High Turnover Sit-Down)	932	9.46 KSF	9.57	55%	45%	9.05	61%	39%	50	41	91	52	34	86
Less: Internal Capture [b]				*4%*	*4%*		*7%*	*7%*	*(2)*	*(2)*	*(4)*	*(4)*	*(2)*	*(6)*
Less: Walk/Bike/Transit Trip Adjustment [c]				*15%*	*15%*		*15%*	*15%*	*(8)*	*(6)*	*(14)*	*(8)*	*(5)*	*(13)*
Total Driveway Trips									40	33	73	40	27	67
Less: Pass-by [d]			*20%*			*20%*			*(8)*	*(6)*	*(14)*	*(8)*	*(5)*	*(13)*
Net External Vehicle Trips									32	27	59	32	22	54
TOTAL DRIVEWAY TRIPS									63	103	166	89	61	150
TOTAL PROJECT EXTERNAL VEHICLE TRIPS									55	97	152	81	56	137
NET INCREMENTAL EXTERNAL TRIPS									55	97	152	81	56	137

Notes:

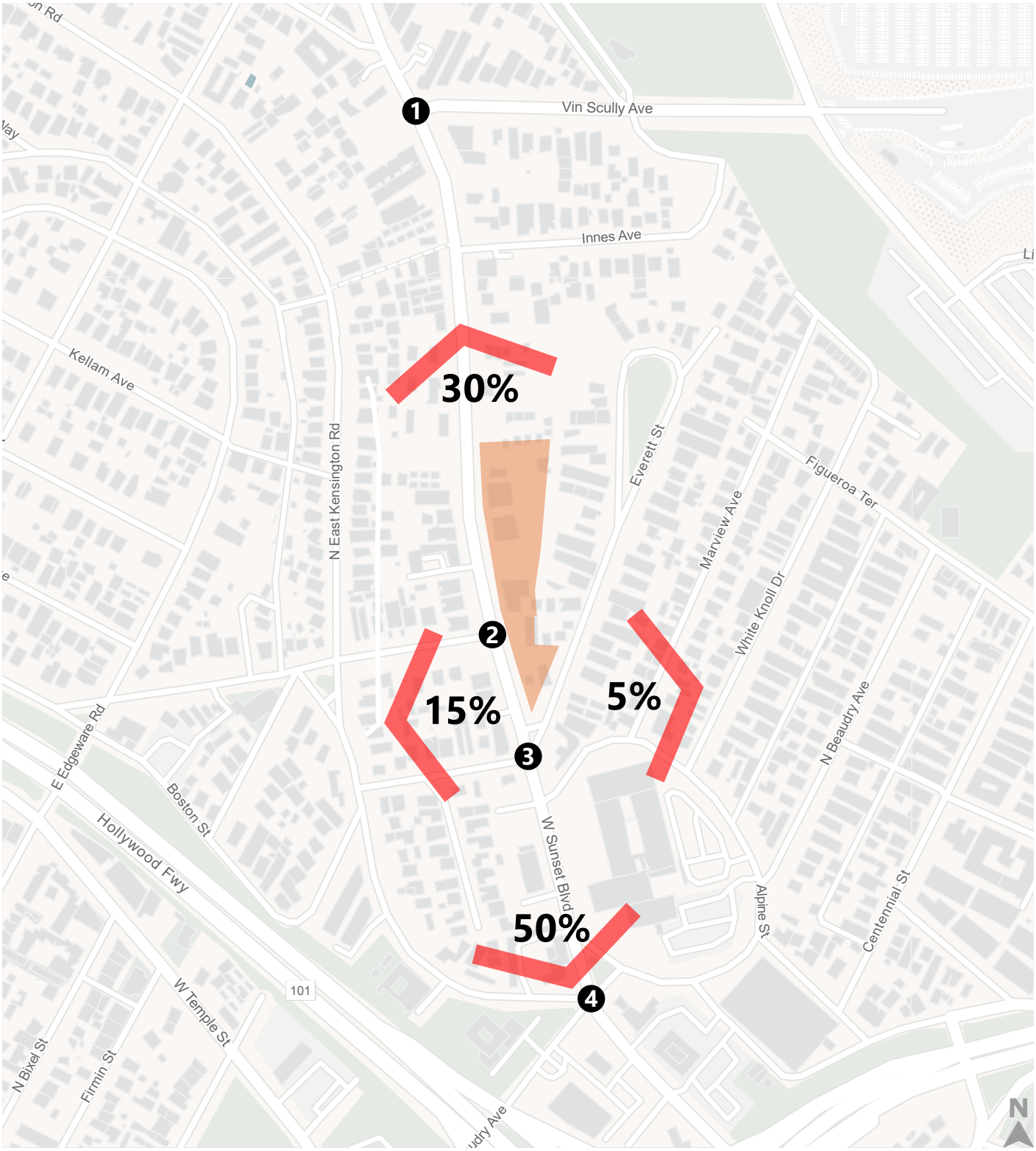
[a] Source: Institute of Transportation Engineers (ITE), *Trip Generation, 11th Edition* , 2021, or LADOT *Transportation Assessment Guildelines* (TAG), 2022, unless otherwise noted.

[b] Internal capture represents the percentage of trips between land uses that occur within the site. It is informed by MXD 2.0 Mixed Use Trip Generation Methodology, which incorporated the findings of NCHRP Project 8-51 as described in "Improved Estimation for Internal Trip Capture for Mixed-use Developments," ITE Journal, August 2010.

[c] Walk/bike/transit trip adjustment applied to account for the percentage of project trips that occur by walking, biking, or transit. The walk/bike/transit trip adjustment factor applied was determined based on guidance provided in LADOT's *Transportation Assessment Guidelines* (TAG), August 2022.

[d] Pass-by trip adjustment applied to account for the percentage of trips that would already be on the adjacent roadway but make a stop by the Project Site. The pass-by rate applied was determined based on guidance provided in Attachment J of the TAG. Restaurant applied rate: 20%.

[e] The Project commits to various TDM measures applicable to residential uses to reduce the number of vehicle trips to/from the Project Site. These are described in the Project's TA.



Project Site

Study Intersections

Esri Community Maps Contributors, County of Los Angeles, California State Parks, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA

Figure 9

Sunset + Everett Project

Project Trip Distribution

Opening Year Traffic Volumes

To evaluate the potential effects of the Project on Opening Year (2027) conditions, it was necessary to develop estimates of future traffic conditions in the area both without and with Project traffic. First, estimates of traffic growth were developed for the study area to forecast future conditions without the Project. These forecasts included traffic increases because of both regional ambient traffic growth and traffic generated by specific developments in the vicinity of the Project (related projects).

These projected traffic volumes, identified herein as the Opening Year (2027) conditions, represent the future conditions without the Project. The traffic generated by the Project was then estimated and assigned to the surrounding street system. Project traffic was added to the Opening Year (2027) conditions to form Opening Year Plus Project traffic conditions, which were analyzed to determine the incremental traffic impacts attributable to the Project itself.

The assumptions and analysis methodology used to develop each of the future year scenarios discussed above are described in more detail in the following sections.

Background or Ambient Growth

Based on the Los Angeles citywide travel demand model and with the concurrence of LADOT, it was established that an ambient volume growth factor 1% per year should be applied to adjust the Existing (2023) traffic volumes to reflect the effects of regional growth and development. This adjustment was applied to the Existing (2023) traffic volume data to reflect the effect of ambient growth in traffic volumes by the year 2027.

Related Project Traffic Generation and Assignment

Opening Year traffic forecasts include the effects of known specific projects, called related projects, expected to be implemented in the study area of the Project Site prior to the buildout date of the Project. The list of related projects was prepared based on data from LADOT. A total of eight related projects were identified in the study area; these projects were listed in **Table 7** and their locations were illustrated in **Figure 6** in Chapter 2.

Trip Generation

For related projects provided by LADOT, the trip generation was used as provided. **Table 7** presents the resulting trip generation estimates for these related projects. These projections are conservative in that they do not in every case account for either the existing uses to be removed or the possible use of non-motorized travel modes (transit, walking, etc.). Corrective actions and mitigation measures associated with the related projects are also not in every case accounted for in the analysis.

Trip Distribution

The geographic distribution of the traffic generated by the related projects is dependent on several factors. These factors include the type and density of the proposed land uses, the geographic distribution of

population from which employees and potential patrons of proposed commercial developments may be drawn, the locations of employment and commercial centers to which residents of residential projects may be drawn, and the location of the projects in relation to the surrounding street system.

Traffic Assignment

Using the estimated trip generation and trip distribution patterns described above, traffic generated by the related projects was assigned to the street network based on street classification, proximity to signalized intersections, and typical traffic conditions.

Opening Year No Project Traffic Volumes

Opening Year (2027) peak hour traffic volumes and lane geometries for the three scenarios (weekday AM, PM, and Dodgers home game) for the analyzed intersections are provided in **Appendix F**. The Opening Year (2027) traffic conditions represent an estimate of future conditions without the Project inclusive of the ambient background growth and related projects' traffic.

Opening Year Plus Project Traffic Projections

The Project traffic volumes were added to the Opening Year (2027) traffic projections, resulting in Opening Year (2027) Plus Project peak hour traffic volumes. As provided in **Appendix F**, the Opening Year (2027) Plus Project scenario represents future traffic conditions with the completion of the Project.

Opening Year Operational Analysis

The Opening Year (2027) No Project and Plus Project peak hour traffic volumes were analyzed to determine the projected LOS and 95th percentile queue lengths for the turn pockets and through movements for the study intersections. Project access is considered constrained if the project's traffic would contribute to unacceptable queuing on an Avenue or Boulevard (as designated in the *Mobility Plan* 2035) at project driveway(s) or would cause or substantially extend queuing at nearby signalized intersections.

Per the TAG, a project would be considered to contribute to unacceptable or extended queuing under any of the following conditions:

- Additional queue along through lanes and either of the following conditions are expected:
    - The projected peak hour intersection LOS is D and the through lane queue increases by greater than 75 feet on any approach with the directional approach LOS at E or F, or
    - The projected peak hour intersection LOS is E or F and the through lane queue increases by greater than 50 feet on any approach with the directional approach LOS at E or F.
- Spill over from turn pockets into through lanes
- Blocks cross streets or alleys
- Spill over from drive-throughs into streets (not applicable to the Project)

- Contribute to "gridlock" congestion, where "gridlock" is defined as when traffic queues between closely-spaced intersections impedes the flow of traffic through upstream intersections.

Table 16 presents the Opening Year (2027) and Opening Year Plus Project LOS for the study intersections, along with the 95th percentile queue lengths and approach LOS for the vehicular movements at study intersections.

The addition of Project traffic to study intersections would not cause or substantially contribute to unacceptable queuing during any peak hours per the City's criteria. Detailed intersection LOS worksheets for the study intersections are presented in **Appendix G**.

Corrective Measures

Because the Project is not projected to cause or substantially contribute to unacceptable queuing at any study intersections, no corrective measures are proposed.

Table 16: Opening Year (2027) Plus Project LOS and Queues

#	Study Intersection	Control Type	Opening Year (2027) No Project					Opening Year (2027) Plus Project				Movement[1]	Storage Length	Peak Hour 95th Percentile Queue[3] (ft.)						Project Contributes to Unacceptable Queuing[2]		
			Intersection LOS (AM/PM Peak Hour/Dodgers Scenario)[4]	Movement[1]	Peak Hour Directional LOS			Intersection LOS (AM/PM Peak Hour/Dodgers Scenario)[4]	Peak Hour Directional LOS					Opening Year (2027) No Project			Opening Year (2027) Plus Project					
					AM	PM	PM (Dodgers)		AM	PM	PM (Dodgers)			AM	PM	PM (Dodgers)	AM	PM	PM (Dodgers)	AM	PM	PM (Dodgers)
1	Sunset Blvd & Vin Scully Ave	Signalized	C/B/D	NBT	C	B	C	C/B/D	C	B	C	NBT	1,450	400	325	1250	425	325	1300	No	No	No
				NBR	A	A	B		A	A	B	NBR	100	<25	150	200	<25	175	225	No	No	No
				SBL	B	D	F		B	D	F	SBL	275	50	150	550	50	150	550	No	No	No
				SBT	B	A	A		B	A	A	SBT	600	350	300	150	375	325	175	No	No	No
				WBL	E	E	F		F	E	F	WBL	1,075	500	150	125	525	150	125	No	No	No
				WBR	E	E	F		F	E	F	WBR	1,075	100	50	50	100	50	50	No	No	No
2	Sunset Blvd & Marion Ave	Signalized	B/A/A	NBL	F	B	A	B/A/A	F	C	B	NBL	50	225	50	50	225	75	50	No	No	No
				NBT	A	A	A		A	A	A	NBT	1,025	250	325	325	250	325	325	No	No	No
				NBR	-	-	-		A	A	A	NBR	50	-	-	-	<25	<25	<25	No	No	No
				SBL	-	-	-		A	A	A	SBL	50	-	-	-	<25	<25	<25	No	No	No
				SBT	A	A	A		A	A	A	SBT	1,450	850	350	300	875	375	325	No	No	No
				SBR	A	A	A		A	A	A	SBR	150	<25	<25	<25	<25	<25	<25	No	No	No
				EBL	D	C	D		D	C	D	EBL	375	25	50	50	25	50	75	No	No	No
				EBT/R	D	D	D		D	D	D	EBT/R	375	50	75	100	75	100	100	No	No	No
				WBL/T/R	-	-	-		D	C	C	WBL/T/R	On-Site	-	-	-	25	<25	25	No	No	No
3	Sunset Blvd & Everett St	SSSC	E/F/F	SBL	-	-	-	E/F/F	-	-	-	SBL	100	<25	25	<25	<25	25	<25	No	No	No
				WBL/R	E	F	F		E	F	F	WBL/R	600	50	75	150	50	75	150	No	No	No
4	Sunset Blvd & Beaudry Ave	Signalized	B/E/E	NBL	D	D	C	B/E/E	D	D	C	NBL	100	150	175	100	150	175	100	No	No	No
				NBT	B	F	F		B	F	F	NBT	1,175	300	625	725	300	650	725	No	No	No
				NBR	B	B	F		B	B	F	NBR	125	<25	25	-	<25	25	-	No	No	No
				SBL	A	F	F		B	F	F	SBL	75	<25	75	100	<25	75	125	No	No	No
				SBT	A	A	A		A	A	A	SBT	1,025	175	200	150	200	200	150	No	No	No
				SBR	A	A	A		B	A	A	SBR	175	125	25	<25	125	25	<25	No	No	No
				EBL	D	F	F		D	F	F	EBL	875	150	575	625	150	600	625	No	No	No
				EBT/R	C	C	C		C	C	C	EBT/R	875	100	300	275	100	300	275	No	No	No
				WBL/T	C	D	D		C	D	D	WBL/T	425	150	100	100	150	100	100	No	No	No
				WBR	C	B	B		C	B	B	WBR	100	75	50	75	75	50	75	No	No	No

1. EBL= Eastbound left, EBT = Eastbound through, EBR = Eastbound right, WBL = Westbound left, WBT = Westbound through, WBR = Westbound right, NBL = Northbound left, NBT = Northbound through, NBR = Northbound right, SBL = Southbound left, SBT = Southbound through, SBR = Southbound right.

2. Unacceptable queuing as defined in the report text, per the *Los Angeles Department of Transportation Transportation Assessment Guidelines* (August 2022).

3. Queue lengths are outputs derived from the Opening Year Conditions Synchro model developed for this Project. The 95th percentile queue length is a conservative assumption commonly employed for intersection design considerations and does not represent the typical queue length an average driver would experience.

4. Intersection LOS for unsignalized intersections reported using the worst-performing movement.

4.3 Site Access Evaluation

This section evaluates the site access of the Project driveways, including projected levels of service (LOS) and queuing.

Project Driveways

Vehicular access to the Project Site would be provided via two stop-controlled driveways and one-signalized driveway that would provide access to structured parking. There are currently 13 driveways serving the Project Site along Sunset Boulevard. The Project proposes reducing vehicular access points to three driveways (Access A, B, and C) on Sunset Boulevard. The other existing vehicle access points to the Project site would be closed. Below is a description of the Project's proposed driveways:

- **Access A:** The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard at the northern end of the Site. Outbound left-turns from this driveway would not be permitted.
- **Access B:** The Project proposes a left- and right-in/right-out only driveway off of Sunset Boulevard in the middle of the Site. Outbound left-turns from this driveway would not be permitted.
- **Access C:** The Project proposes a full-access driveway that would form the fourth leg (west facing) of the signalized intersection of Sunset Boulevard and Marion Avenue (Study Intersection #2).

Each driveway would serve separate parking structures. The Project's vehicular driveways would be designed to the City standards and would provide adequate sight distance. They would not require the removal or relocation of existing public transit stops. Sunset Boulevard along the Project Site is part of the designated HIN, however, the number of Project Site driveways along Sunset Boulevard would be reduced from 13 to three (3). Loading would be provided on-site.

Project Driveway LOS Analysis

An LOS and queuing analysis was completed to understand Project driveway operations during the AM, PM, and PM with Dodgers game peak hours. Project driveway trip generation, distribution, and assignment are based on the same assumptions for study intersections discussed in Chapter 4.2. These analysis locations are shown in **Figure 8**. **Table 17** summarizes the LOS and queuing analyses. The Opening Year (2027) AM, PM, and PM with Dodgers game peak hour turning movement counts and lane configurations for each of the Project driveways/access intersections are presented in **Appendix F**. **Appendix G** provides the detailed LOS and queuing reports. As shown, the Project driveways/access points are expected to operate with limited queues and acceptable LOS.

Table 17: Opening Year (2027) Plus Project Driveway LOS and Queue Lengths

#	Project Access Locations	Opening Year (2027) Plus Project				Movement[1]	Storage Length	Peak Hour 95th Percentile Queue[5]			Project Contributes to Unacceptable Queuing[2]		
		Intersection LOS (AM/PM Peak Hour/Dodgers Scenario)	Peak Hour Directional LOS					Opening Year (2027) Plus Project					
			AM	PM	PM (Dodgers)			AM	PM	PM (Dodgers)	AM	PM	PM (Dodgers)
A	Sunset Blvd & Driveway A	B/C/C	-	-	-	NBT/R[3]	100	<25	<25	<25	-	-	-
			B	C	C	SBL[3]	100	<25	<25	<25	No	No	No
			B	C	C	WBR[4]	On-Site	<25	<25	<25	No	No	No
B	Sunset Blvd & Driveway B	B/C/C	-	-	-	NBT/R[3]	100	<25	<25	<25	-		-
			B	C	C	SBL[3]	100	<25	<25	<25	No	No	No
			B	C	C	WBR[4]	On-Site	<25	<25	<25	No	No	No
C	Sunset Blvd & Marion Ave/ Driveway C	B/A/A	A	A	A	NBR[3]	50	<25	<25	<25	No	No	No
			A	A	A	SBL[3]	50	<25	<25	<25	No	No	No
			D	D	D	EBT/R[3]	875	75	100	100	No	No	No
			D	C	C	WBL/T/R[4]	On-Site	25	25	25	No	No	No

1. EBL= Eastbound left, EBT = Eastbound through, EBR = Eastbound right, WBL = Westbound left, WBT = Westbound through, WBR = Westbound right, NBL = Northbound left, NBT = Northbound through, NBR = Northbound right, SBL = Southbound left, SBT = Southbound through, SBR = Southbound right. All queues are combined for the full approach, as there is no more than one lane in each direction at the Project driveways.

2. Unacceptable queuing as defined in the report text, per the *TAG (August 2022)*.

3. Inbound movement

4. Outbound movement

5. Queue lengths are outputs derived from the Opening Year Conditions Synchro peak hour models developed for this Project. The 95th percentile queue length is a conservative assumption commonly employed for intersection design considerations and does not represent the typical queue length an average driver would experience.

4.4 Project Construction

This section assesses whether the construction of the Project would interfere with pedestrian, bicycle, transit, or vehicle circulation and accessibility, considering three categories of construction impacts per the TAG: (1) temporary transportation constraints, (2) temporary loss of access, and (3) temporary loss of bus stops or rerouting of bus lines.

Project construction is anticipated to be completed in 2027. It is estimated that approximately 40,000 cubic yards of export would be hauled from the Project Site.

Anticipated Construction Activity

Project construction is expected to occur in stages starting in late 2024 and finishing in 2027. Below are the following phases of construction and their estimated durations:

- Phase 1: Demolition of Asphalt – 1 week
- Phase 2: Site Preparation – 2 weeks
- Phase 3: Grading – 4 months
- Phase 4: Trenching – 1 month
- Phase 5: Construction – 24 months
- Phase 6: Architectural Coatings – 3 months

Los Angeles Municipal Code (LAMC) Section 41.40 provides that construction activities are limited to the hours from 7:00 AM to 9:00 PM on weekdays and from 8:00 AM to 6:00 PM on Saturdays and holidays. No construction is permitted on Sundays.

Construction Trucks

Haul Trucks

During construction, up to 68 one-way haul truck trips per day are anticipated on peak haul days.

Hauling hours are anticipated to begin at 7:00 AM and continue to 5:00 PM, Monday through Saturday. The haul route would utilize Sunset Boulevard, Cesar Chavez Boulevard, and Mission Road to access the US-101 Freeway. Haul trucks would then utilize this freeway to access I-10 to I-605 to access landfill sites.

Equipment and Delivery Trucks

In addition to haul trucks, the Project is expected to generate equipment and delivery truck trips during construction. One example would be for concrete delivery, which would be required for the subterranean parking and the buildings on-site. Other deliveries could include plumbing supplies, electrical fixtures, and items used in furnishing the buildings. These materials would be delivered to the Project Site and stored on-site. These deliveries are expected to occur in variously sized vehicles including small delivery trucks to

cement mixer trucks and 18-wheel trucks. Additionally, construction equipment would have to be delivered to the Project Site. This equipment could include cranes, bulldozers, excavators, and other large items of machinery. Most of the heavy equipment is expected to be transported to the Project Site on large trucks such as 18-wheelers or other similar vehicles.

Up to 54 one-way delivery/equipment truck trips are expected per day during the peak construction phase of pouring the foundation.

Construction Employees

The number of construction workers would vary throughout the construction period. Up to 284 one-way worker trips are expected per day during the peak construction phase.

Construction Worker Parking

Staging and parking areas during construction would initially be located at an off-site location to be determined at a future date. No staging and worker parking would occur on public streets and rights-of-way. Workers would park in the Project's subterranean parking garage after it is constructed.

Construction Period Evaluation Criteria

The TAG provides three categories to be considered in regard to in-street construction effects: temporary traffic constraints, temporary loss of access, and temporary loss of bus stops or rerouting of bus lines. The evaluation criteria to be considered in each of these categories are as follows:

- Temporary Traffic Constraints:
    - The length of time of temporary street closures or closures of two more traffic lanes;
    - The classification of the street (major arterial, state highway, substandard hillside local or collector, etc.) affected;
    - The existing congestion levels on the affected street segments and intersections;
    - The operational constraints of substandard hillside streets needing to access construction sites;
    - Whether the affected street directly leads to a freeway on- or off-ramp or other state highway;
    - Potential safety issues involved with street or lane closures; and
    - The presence of emergency services (fire, hospital, etc.) located nearby that regularly use the affected street.
- Temporary Loss of Access:
    - The length of time of any loss of pedestrian or bicycle circulation past a construction area;
    - The length of time of any loss of vehicular, bicycle, or pedestrian access to a parcel fronting the construction area;

- The length of time any loss or impedance of access by emergency vehicles or area residents to hillside properties;
- The length of time of any loss of ADA pedestrian access to a transit station, stop, or facility;
- Permanent or temporary removal of parking meters
- The availability of nearby vehicular or pedestrian access within ¼ mile of the lost access; and
- The type of land uses affected, and related safety, convenience, and/or economic issues.

- Temporary Loss of Bus Stops or Rerouting of Bus Lines:
  - The length of time that an existing bus stop would be unavailable or that existing service would be interrupted;
  - The availability of a nearby location (within ¼ mile) to which the bus stop or route can be temporarily relocated;
  - The existence of other bus stops or routes with similar routes/destinations within a ¼ mile radius of the affected stops or routes; and
  - Whether the interruption would occur on a weekday, weekend or holiday, and whether the existing bus route typically provides service that/those day(s).

Construction Analysis

The assessment of the Project against the evaluation factors described above is presented in **Table 18** and discussed below.

Temporary Traffic Constraints

Long-term closures to primary travel lanes are not anticipated to occur during construction of the Project along Sunset Boulevard or Everett Street. To accommodate Project construction, closure of the northbound parking/PM peak hour bus lane on Sunset Boulevard along the Project frontage is anticipated between 6:30 AM and 4:00 PM, so as not to interfere with PM peak hour buses or the Dodger Stadium Express bus route during home games. During construction of the Project, a pedestrian canopy will be constructed to maintain access to the sidewalk, bus stop, and crosswalks at Marion Avenue.

Temporary Loss of Access

The existing land uses near the vicinity of the Project Site will remain open throughout construction. Pedestrian and vehicular access to properties located adjacent and near to the Project Site would remain open and unobstructed for the duration of construction. No loss of ADA pedestrian access to transit stops, stations, or facilities is anticipated. On-street parking on the Project frontage along Sunset Boulevard and Everett Street will be restricted during the construction period.

Temporary Loss of Bus Stops or Rerouting of Bus Lines

Project construction would not require temporary loss or relocation of bus stops or rerouting of bus lines.

Table 18: Construction Evaluation

Evaluation Criteria	Assessment
Temporary Transportation Constraints	
The length of time of temporary street closures or closures of two or more travel lanes	The Project will not close two or more travel lanes during construction. Project construction will close the northbound parking/PM peak hour bus lane on Sunset Boulevard along the Project frontage. Closures are not expected on Everett Street. Access would be maintained for adjacent properties at all times.
The classification of the street (major arterial, state highway, substandard hillside local or collector, etc.) affected	Sunset Boulevard is classified as an Avenue I. Everett Street is a Local Street.
The existing congestion levels on the affected street segments and intersections	Sunset Boulevard and Vin Scully Avenue was observed to operate between LOS B and E during peak hours. Sunset Boulevard and Marion Avenue was observed to operate at LOS A during peak hours. Sunset Boulevard and Everett Street was observed to operate between LOS D and F during peak hours. Sunset Boulevard and Beaudry Avenue was observed to operate at LOS F during peak hours.
The operational constraints of substandard hillside streets needing to access construction sites	Not applicable.
Whether the affected street directly leads to a freeway on- or off-ramp or other state highway	Construction would not involve street closures on roadways that lead onto or from freeway ramps.
Potential safety issues involved with street or lane closures	Although the construction work may cause temporary disruptions to street access, alternative routing and detours would be identified and marked in coordination with LADOT and the City of Los Angeles Bureau of Engineering. Traffic control plans would be designed in accordance with LADOT standards, the CAMUTCD, and the Work Area Traffic Control Handbook (WATCH).
The presence of emergency services (fire, hospital, etc.) located nearby that regularly use the affected street	There are no emergency services in the immediate vicinity of the Project.
Temporary Loss of Access	
The length of time of any loss of pedestrian or bicycle circulation past a construction area	Pedestrian access along Sunset Boulevard would be maintained through use of a pedestrian canopy along the Project frontage. Closures are not expected on Everett Street.
The length of time of any loss of vehicular, bicycle, or pedestrian access to a parcel fronting the construction area	It is not anticipated that any non-Project parcels would lose vehicular, bicycle, or pedestrian access.
The length of time of any loss or impedance of access by emergency vehicles or area residents to hillside properties	Not applicable.
The length of time of any loss of ADA pedestrian access to a transit station, stop, or facility	It is not anticipated that ADA pedestrian access to the bus stop at NB SUNSET NS MARION would be affected.
The availability of nearby vehicular or pedestrian access within ¼ mile of the lost access	Not applicable.
The type of land uses affected, and related safety, convenience, and/or economic issues	The Project site is in a primarily residential area with commerical and retail parcels along Sunset Boulevard.
Temporary Loss of Bus Stops or Rerouting of Bus Lines	
The length of time that an existing bus stop would be unavailable or that existing service would be interrupted	It is not anticipated that the existing bus stop at NB SUNSET NS MARION will be affected. Construction closure of the northbound parking/PM peak hour bus lane on Sunset Boulevard will end at 4:00 PM daily to accommodate usage by transit vehicles.
The availability of a nearby location (within ¼ mile) to which the bus stop or route can be temporarily relocated	Not applicable.
The existence of other bus stops or routes with similar routes/destinations within a ¼-mile radius of the affected stops or routes	Not applicable.
Whether the interruption would occur on a weekday, weekend or holiday, and whether the existing bus route typically provides service that/those day(s)	Not applicable.

Appendix A:
Memorandum of Understanding

Transportation Assessment Memorandum of Understanding (MOU)

This MOU acknowledges that the Transportation Assessment for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Assessment Guidelines:

I. PROJECT INFORMATION

Project Name: Sunset + Everett

Project Address: 1187 Sunset Blvd, Los Angeles, CA 90012

Project Description: The Project proposes to replace a 107,100 sf vacant parcel with two seven-story mixed-use buildings providing 327 dwelling units (41 of which are affordable at the Very Low Income level), 9,462 sf of commercial space, and 263 on-site parking spaces.

LADOT Project Case Number: _____ Project Site Plan attached? *(Required)* ☒ Yes ☐ No Figure 1a

II. TRANSPORTATION DEMAND MANAGEMENT (TDM) MEASURES

Select any of the following TDM measures, which may be eligible as a Project Design Feature[1], that are being considered for this project:

✔ Reduced Parking Supply[2] **per AB 2097**	✔ Bicycle Parking and Amenities	☐ Parking Cash Out

List any other TDM measures (e.g. bike share kiosks, unbundled parking, microtransit service, etc.) below that are also being considered and would require LADOT staff's determination of its eligibility as a TDM measure. LADOT staff will make the final determination of the TDM measure's eligibility for this project.

1 See Attachment A
2 _____
3 _____
4 _____
5 _____
6 _____

III. TRIP GENERATION

Trip Generation Rate(s) Source: ITE 10th Edition / Other ITE 11th Edition & LADOT TAG (Residential)

Trip Generation Adjustment *(Exact amount of credit subject to approval by LADOT)*	Yes	No
Transit Usage	✔	☐
Existing Active or Previous Land Use	☐	✔
Internal Trip	✔	☐
Pass-By Trip	✔	☐
Transportation Demand Management (See above)	✔	☐

Trip generation table including a description of the existing and proposed land uses, rates, estimated morning and afternoon peak hour volumes (ins/outs/totals), proposed trip credits, etc. attached? *(Required)* ✔ Yes ☐ No

	IN	OUT	TOTAL
AM Trips	55	97	152
PM Trips	81	56	137

Table 1

NET Daily Vehicle Trips (DVT)
_____ DVT (ITE __ ed.)
2,217 DVT (VMT Calculator ver. 1.3)

Figure 2

[1] At this time Project Design Features are only those measures that are also shown to be needed to comply with a local ordinance, affordable housing incentive program, or State law.
[2]Select if reduced parking supply is pursued as a result of a parking incentive as permitted by the City's Bicycle Parking Ordinance, State Density Bonus Law, or the City's Transit Oriented Community Guidelines.

IV. STUDY AREA AND ASSUMPTIONS

Per Project TAZ in City travel demand model

Project Buildout Year: 2027 Ambient Growth Rate: 1 % Per Yr. Table 2 & Figure 3

Related Projects List, researched by the consultant and approved by LADOT, attached? *(Required)* ☒ Yes ☐ No

STUDY INTERSECTIONS and/or STREET SEGMENTS:
(May be subject to LADOT revision after access, safety, and circulation evaluation.)

see Attachment B for additional study scenario

1 Sunset Bl & Vin Scully Av
2 Sunset Bl & Marion Av/Dwy C
3 Sunset Bl & Everett St
4 Sunset Bl & Beaudry Av
5 *Segment:* Marion Av w/o Sunset Bl
6

Provide a separate list if more than six study intersections and/or street segments. Figure 4

Is this Project located on a street within the High Injury Network? ☒ Yes ☐ No

If a study intersection is located within a ¼-mile of an adjacent municipality's jurisdiction, signature approval from said municipality is required prior to MOU approval.

V. ACCESS ASSESSMENT

a. Does the project exceed 1,000 net DVT? ☒ Yes ☐ No
b. Is the project's frontage 250 linear feet or more along an Avenue or Boulevard as classified by the City's General Plan? ☒ Yes ☐ No
c. Is the project's building frontage encompassing an entire block along an Avenue or Boulevard as classified by the City's General Plan? ☒ Yes ☐ No

VI. ACCESS ASSESSMENT CRITERIA

If Yes to any of the above questions a., b., or c., complete **Attachment C.1: Access Assessment Criteria**.

VII. SITE PLAN AND MAP OF STUDY AREA

Please note that the site plan should also be submitted to the Department of City Planning for cursory review.

	Does the attached site plan and/or map of study area show	Yes	No	Not Applicable
Figure 4	Each study intersection and/or street segment	✔		
Figure 6	*Project Vehicle Peak Hour trips at each study intersection	✔		
Figure 6	*Project Vehicle Peak Hour trips at each project access point	✔		
Figures 5a-b	*Project trip distribution percentages at each study intersection	✔		
Figures 1b-e	Project driveways designed per LADOT MPP 321 (show widths and directions or lane assignment)	✔		
	Pedestrian access points and any pedestrian paths	✔		
	Pedestrian loading zones			✔
	Delivery loading zone or area	✔		
	Bicycle parking onsite	✔		
Figure 1a	Bicycle parking offsite (in public right-of-way)	✔		

*For mixed-use projects, also show the project trips and project trip distribution by land use category.

VIII. FREEWAY SAFETY ANALYSIS SCREENING

Will the project add 25 or more trips to any freeway off-ramp in either the AM or PM peak hour? ☐ **YES** ☒ **NO**

Provide a brief explanation or graphic identifying the number of project trips expected to be added to the nearby freeway off-ramps serving the project site. If Yes to the question above, a freeway ramp analysis is required.

IX. CONTACT INFORMATION

	CONSULTANT	DEVELOPER
Name:	Ryan Liu, PE | Fehr & Peers	Aragon Properties, Ltd.
Address:	600 Wilshire Blvd, Suite 1050, Los Angeles, CA 90017	201-1628 West 1st Av., Vancouver BC V6J 1G1
Phone Number:	(213) 261-3050	(604) 732-6170
E-Mail:	r.liu@fehrandpeers.com	emoy@aragon.ca

Approved by:	x		8 May 2023	x		06/21/2023	
		Consultant's Representative	Date		LADOT Representative	**Date	
Adjacent Municipality:			Approved by:				
			(if applicable)		Representative	Date	

**MOUs are generally valid for two years after signing. If after two years a transportation assessment has not been submitted to LADOT, the developer's representative shall check with the appropriate LADOT office to determine if the terms of this MOU are still valid or if a new MOU is needed.

Access Assessment Criteria

This Criteria acknowledges that the Transportation Assessment for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Assessment Guidelines:

I. PROJECT INFORMATION

Project Name: Sunset + Everett

Project Address: 1187 Sunset Blvd, Los Angeles, CA 90012

Project Description: The Project proposes to replace a 107,100 sf vacant parcel with two seven-story mixed-use buildings providing 327 dwelling units (41 of which are affordable at the Very Low Income level), 9,462 sf of commercial space, and 263 on-site parking spaces.

LADOT Project Case Number: _____

II. PEDESTRIAN/ PERSON TRIP GENERATION

Source of Pedestrian/Person Trip Generation Rate(s)? ☑ VMT Calculator ☐ ITE 10th Edition ☐ Other:

	Land Use	Size/Unit	Daily Person Trips
Proposed	All Project Land Uses - See VMT Calculator		278
	(assume 15% of Project trips)		
	Total new trips:		278

Pedestrian/Person trip generation table including a description of the proposed land uses, trip credits, person trip assumptions, comparison studies used for reference, etc. attached? ☐ Yes ☑ No

III. PEDESTRIAN ATTRACTORS INVENTORY

Attach Pedestrian Map for the area (1,320-foot radius from edge of the project site) depicting: Figure 7

- site pedestrian entrance(s)
- Existing or proposed passenger loading zones
- pedestrian generation/distribution values
  - Geographic Distribution: N 50 % S 30 % E 10 % W 10 % From distribution of pedestrian attractors
- transit boarding and alighting of transit stops (should include Metro rail stations; Metro, DASH, and other municipal bus stops)
- Key pedestrian destinations with hours of operation:
  - schools (school times)
  - government offices with a public counter or meeting room
  - senior citizen centers
  - recreation centers or playgrounds
  - public libraries
  - medical centers or clinics
  - child care facilities
  - post offices

- places of worship
- grocery stores
- other facilities that attract pedestrian trips

- pedestrian walking routes to key destinations from project site

Note: Pedestrian Count Summary, Bicycle Count Summary, Manual Traffic Count Summary will need to be attached to the Transportation Assessment

IV. FACILITIES INVENTORY

Is a High Injury Network street located within 1,320-foot radius from the edge of the project site? ☑ Yes ☐ No
If yes, list streets and include distance from the project:

Sunset Blvd _____ at 0 _____(feet)
Temple Blvd _____ at 1275 _____(feet)
_____ at _____(feet)
_____ at _____(feet)

Attach Radius Map for the area (1,320 foot radius from edge of the project site) depicting the following existing and proposed facilities: Figure 8

- transit stops
- bike facilities
- traffic control devices for controlled crossings
- uncontrolled crosswalks
- location of any missing, damaged or substandard sidewalks

For a reference of planned facilities, see the Transportation Assessment Support Map

Crossing Distances

Does the project property have frontage along an arterial street (designated as either an Avenue or Boulevard?)
☑ Yes ☐ No

If yes, provide the distance between the crossing control devices (e.g. signalized crosswalk, or controlled mid-block crossing) along any arterial within 1,320 feet of the property.

0 (feet) at Sunset Blvd / Marion Ave	_____(feet) at _____
1,100 (feet) at Sunset Blvd / Beaudry Ave	_____(feet) at _____
1,500 (feet) at Sunset Blvd / Vin Scully Ave	_____(feet) at _____
_____(feet) at _____	_____(feet) at _____
_____(feet) at _____	_____(feet) at _____
_____(feet) at _____	_____(feet) at _____

V. Project Construction

Will the project require any construction activity within the city right-of-way? ☑ Yes ☐ No

If yes, will the project require temporary closure of any of the following city facilities?

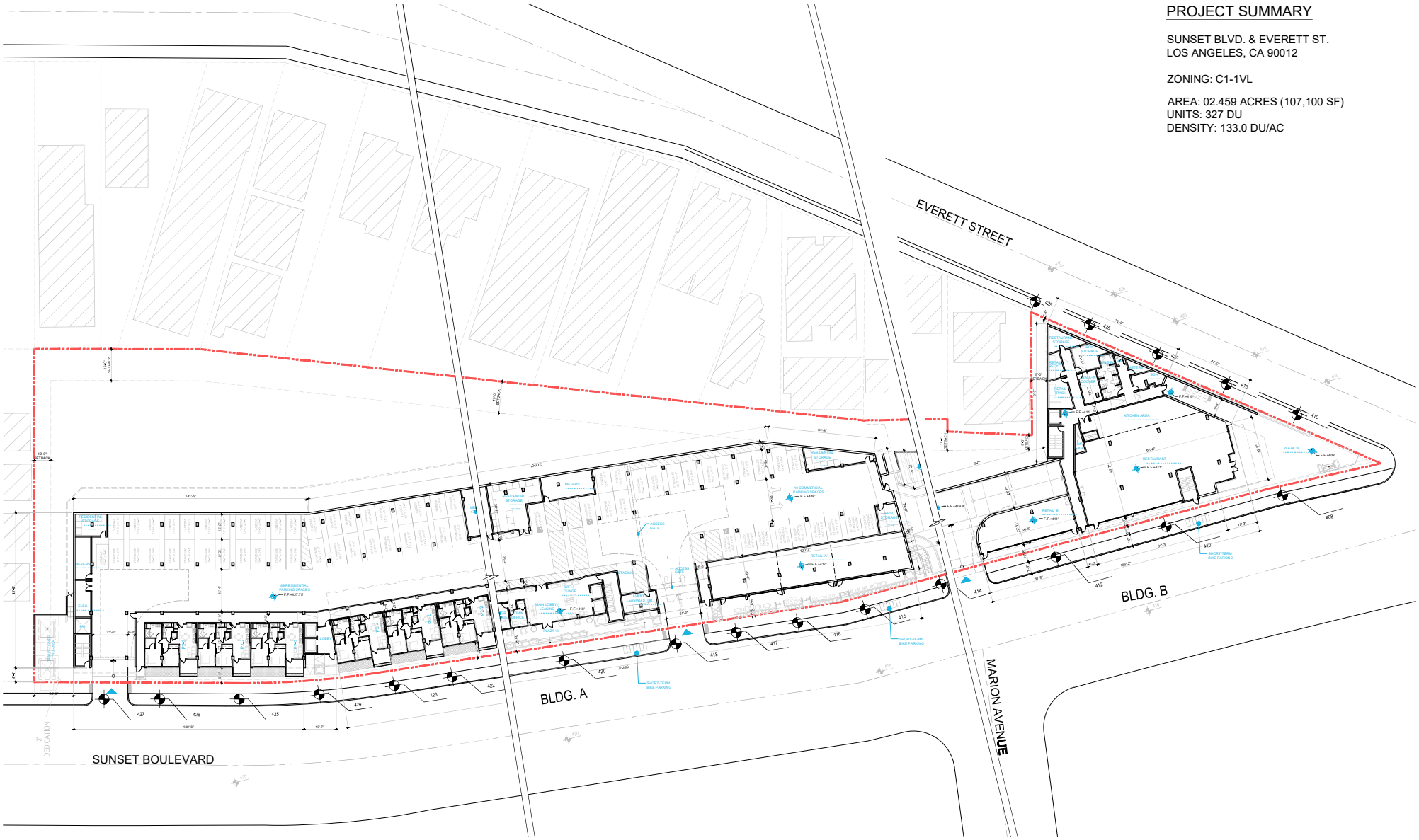
- X sidewalk
- bike lane
- parking lane
- travel lane
- bus stop
- bicycle parking (racks or corrals)
- bike share or other micro-mobility station
- car share station
- parklet
- other: _____

PROJECT SUMMARY

SUNSET BLVD. & EVERETT ST.
LOS ANGELES, CA 90012

ZONING: C1-1VL

AREA: 02.459 ACRES (107,100 SF)
UNITS: 327 DU
DENSITY: 133.0 DU/AC



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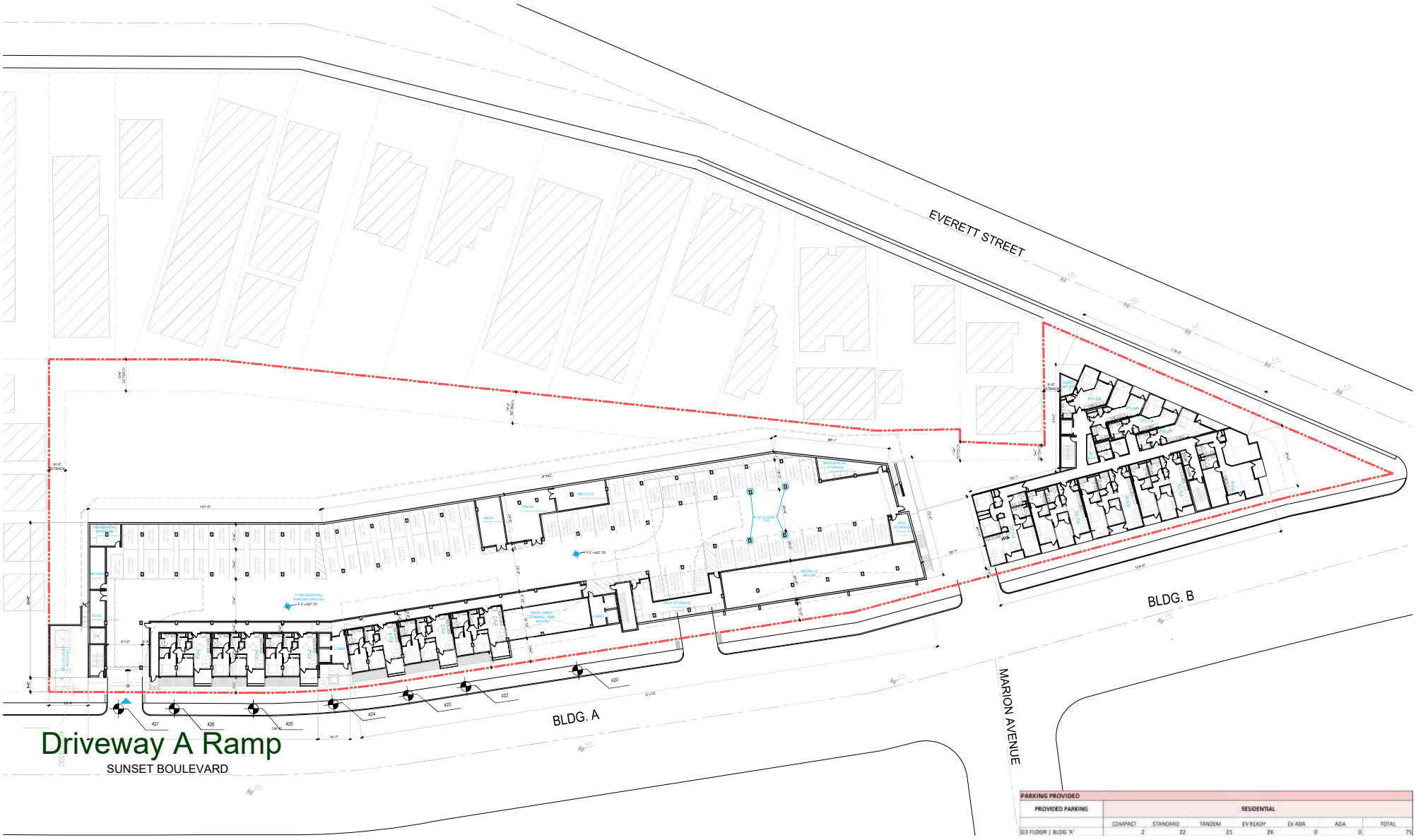
SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MARCH 2, 2023

0 12 1/2 25 50

STREET LEVEL SITE PLAN
PROJECT SUMMARY

Figure 1a



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LOS ANGELES, CALIFORNIA # 2012-0710

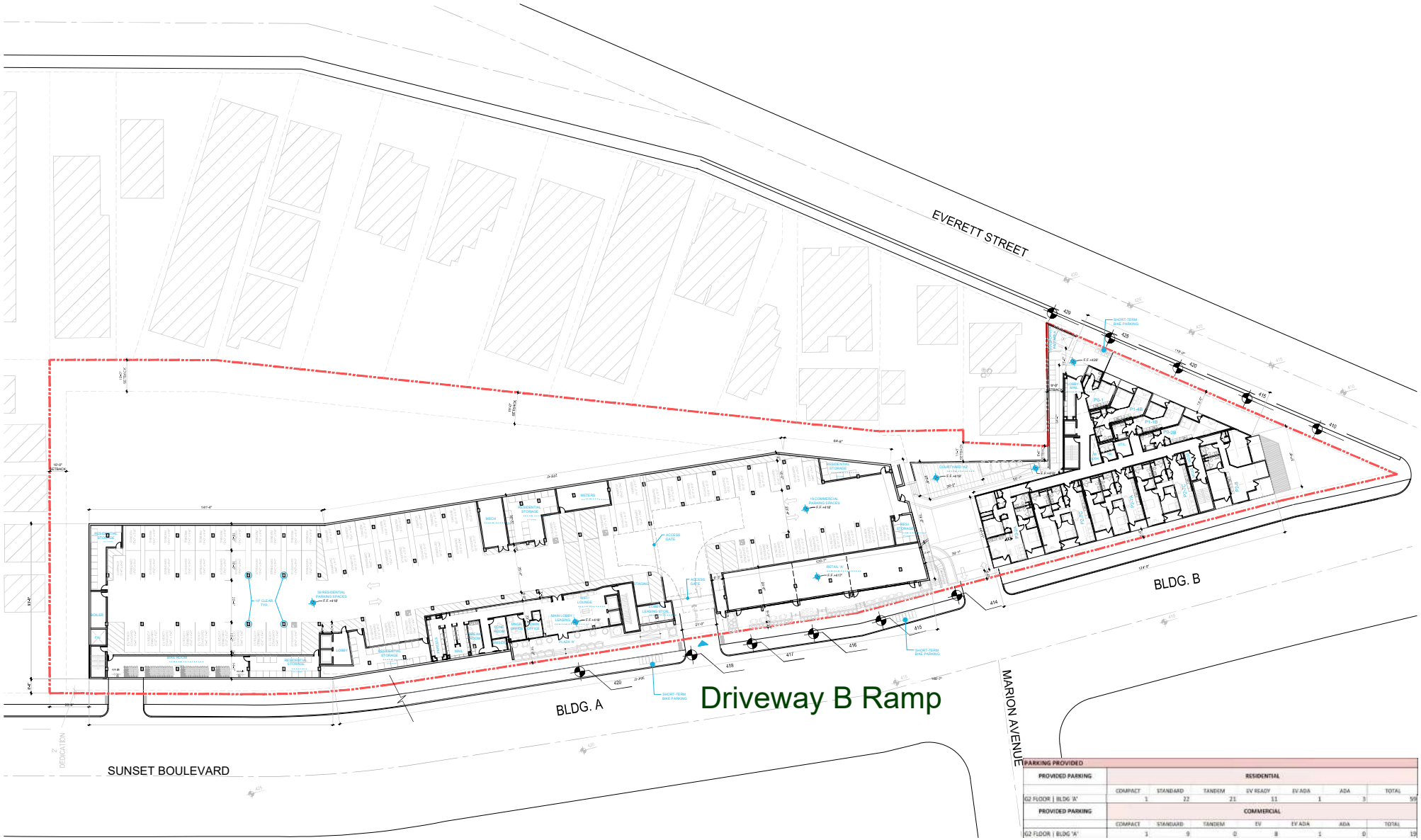
CONCEPT DESIGN // PIXEL
MARCH 2, 2023

0 12 1/2 25 50

SITE PLAN AT DRIVEWAY A
BLDG 'A' : G-3 // BLDG 'B' : L-3

A3-3

Figure 1b



PARKING PROVIDED							
PROVIDED PARKING	RESIDENTIAL						
	COMPACT	STANDARD	TANDEM	EV READY	EV ADA	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	22	21	11	1	3	59
PROVIDED PARKING	COMMERCIAL						
	COMPACT	STANDARD	TANDEM	EV	EV ADA	ADA	TOTAL
G2 FLOOR | BLDG 'A'	1	9	0	8	1	0	19

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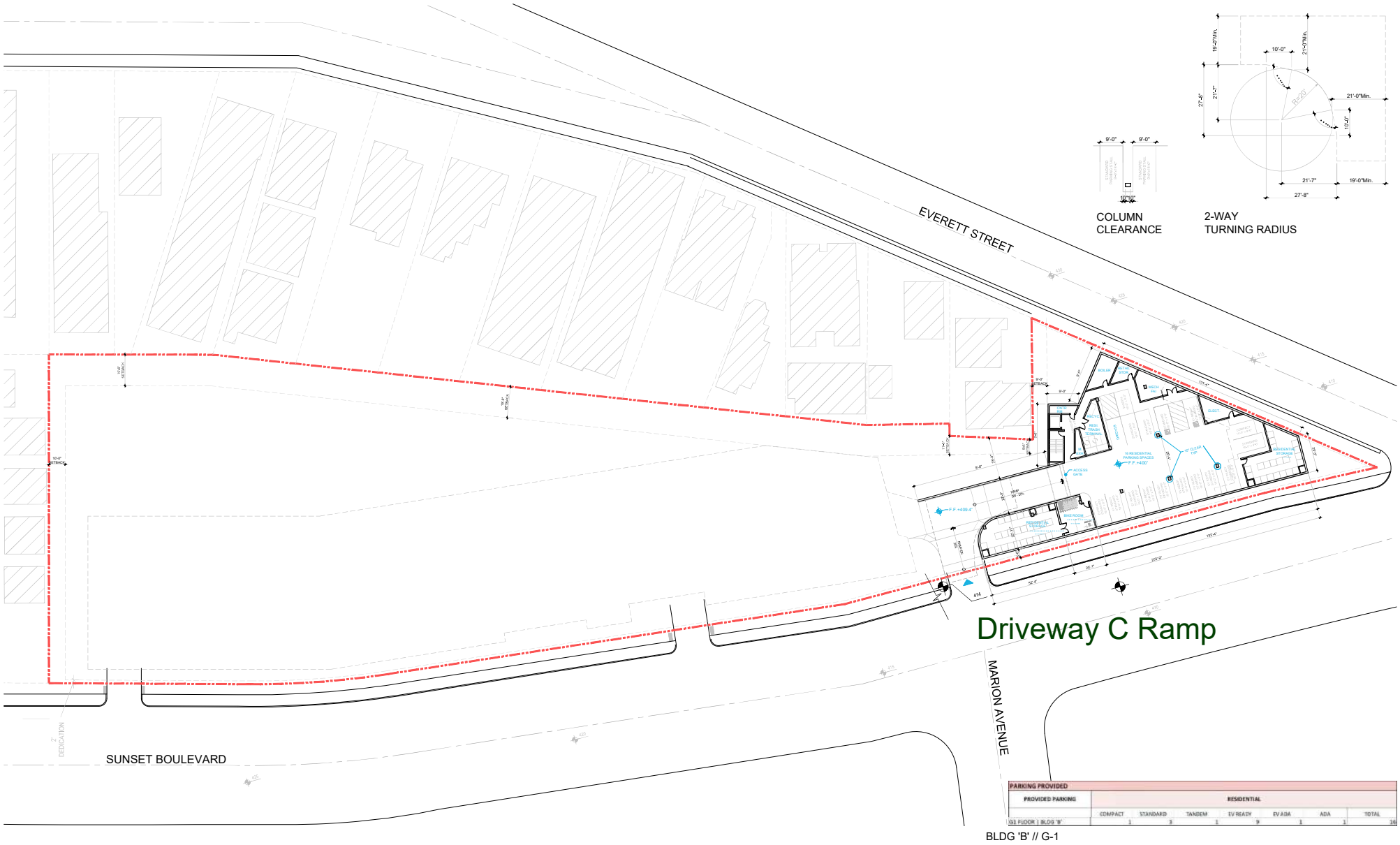
0 12 1/2 25 50

SITE PLAN AT DRIVEWAY B
BLDG 'A' : G-2 // BLDG 'B' : L-2

Figure 1c



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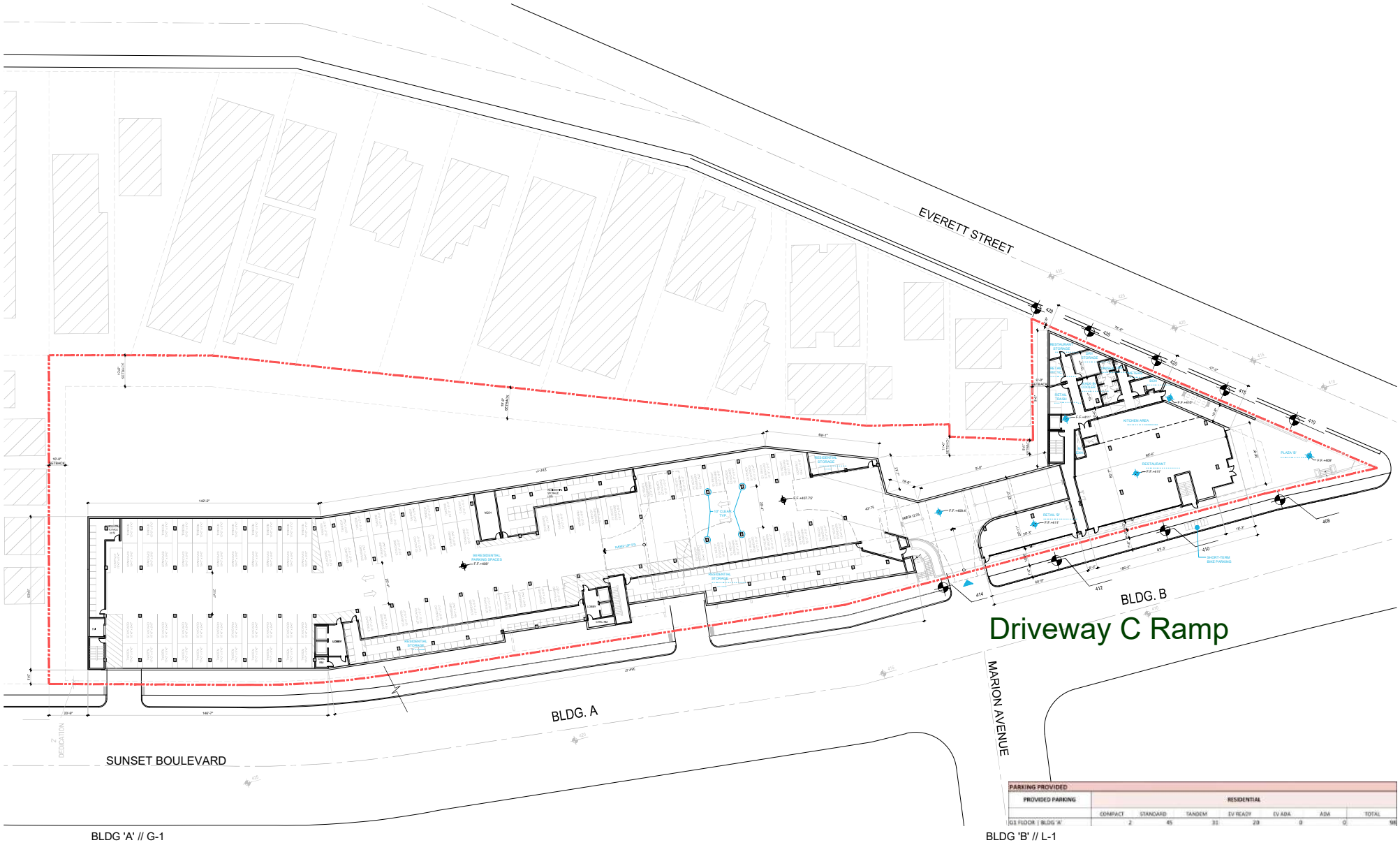
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MARCH 2, 2023

0 12 1/2 25 50

SITE PLAN AT DRIVEWAY C (1 OF 2)
BLDG 'B' // G-1

Figure 1d



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LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MARCH 2, 2023

0 12 1/2 25 50

SITE PLAN AT DRIVEWAY C (2 OF 2)
BLDG 'A' : G-1 // BLDG 'B' : L-1

Figure 1e

Table 1: Project Vehicle Trip Generation Estimate

Land Use	ITE Land Use Code	Size	Trip Generation Rates [a]						Estimated Trip Generation					
			AM Peak Hour			PM Peak Hour			AM Peak Hour Trips			PM Peak Hour Trips		
			Rate	In%	Out%	Rate	In%	Out%	In	Out	Total	In	Out	Total
PROPOSED PROJECT														
Multifamily Housing (Mid-Rise)	TAG	286 DU	0.31	23%	77%	0.30	61%	39%	20	69	89	52	34	86
Less: Internal Capture [b]				*4%*	*4%*		*7%*	*7%*	*(1)*	*(3)*	*(4)*	*(4)*	*(2)*	*(6)*
Less: Transportation Demand Management (TDM) Adjustment [e]				*10%*	*10%*		*10%*	*10%*	*(2)*	*(7)*	*(9)*	*(5)*	*(3)*	*(8)*
Net External Vehicle Trips									17	59	76	43	29	72
Family Affordable Housing (Inside TPA Area)	TAG	41 DU	0.49	37%	63%	0.35	56%	44%	7	13	20	8	6	14
Less: Internal Capture [b]				*4%*	*4%*		*7%*	*7%*	*0*	*(1)*	*(1)*	*(1)*	*0*	*(1)*
Less: Transportation Demand Management (TDM) Adjustment [e]				*10%*	*10%*		*10%*	*10%*	*(1)*	*(1)*	*(2)*	*(1)*	*(1)*	*(2)*
Net External Vehicle Trips									6	11	17	6	5	11
Restaurant (High Turnover Sit-Down)	932	9.46 KSF	9.57	55%	45%	9.05	61%	39%	50	41	91	52	34	86
Less: Internal Capture [b]				*4%*	*4%*		*7%*	*7%*	*(2)*	*(2)*	*(4)*	*(4)*	*(2)*	*(6)*
Less: Walk/Bike/Transit Trip Adjustment [c]				*15%*	*15%*		*15%*	*15%*	*(8)*	*(6)*	*(14)*	*(8)*	*(5)*	*(13)*
Total Driveway Trips									40	33	73	40	27	67
Less: Pass-by [d]			*20%*			*20%*			*(8)*	*(6)*	*(14)*	*(8)*	*(5)*	*(13)*
Net External Vehicle Trips									32	27	59	32	22	54
TOTAL DRIVEWAY TRIPS									63	103	166	89	61	150
TOTAL PROJECT EXTERNAL VEHICLE TRIPS									55	97	152	81	56	137
NET INCREMENTAL EXTERNAL TRIPS									55	97	152	81	56	137

Notes:

[a] Source: Institute of Transportation Engineers (ITE), *Trip Generation, 11th Edition* , 2021, or LADOT *Transportation Assessment Guildelines* (TAG), 2022, unless otherwise noted.

[b] Internal capture represents the percentage of trips between land uses that occur within the site. It is informed by MXD 2.0 Mixed Use Trip Generation Methodology, which incorporated the findings of NCHRP Project 8-51 as described in "Improved Estimation for Internal Trip Capture for Mixed-use Developments," ITE Journal, August 2010.

[c] Walk/bike/transit trip adjustment applied to account for the percentage of project trips that occur by walking, biking, or transit. The walk/bike/transit trip adjustment factor applied was determined based on guidance provided in LADOT's *Transportation Assessment Guidelines* (TAG), August 2022.

[d] Pass-by trip adjustment applied to account for the percentage of trips that would already be on the adjacent roadway but make a stop by the Project Site. The pass-by rate applied was determined based on guidance provided in Attachment J of the TAG. Restaurant applied rate: 20%.

[e] The Project commits to various TDM measures applicable to residential uses to reduce the number of vehicle trips to/from the Project Site. These are described in the Project's TA.

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Sunset + Everett
Scenario: Project
Address: 1187 W SUNSET BLVD, 90012

Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Multi-Family	22	DU

Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Housing | Affordable Housing - Family	41	DU
Housing | Multi-Family	286	DU
Retail | High-Turnover Sit-Down Restaurant	9.462	ksf
Housing | Affordable Housing - Family	41	DU

Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
0 Daily Vehicle Trips	2,217 Daily Vehicle Trips
0 Daily VMT	13,934 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	2,217 Net Daily Trips
The net increase in daily VMT ≤ 0	13,934 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	9.462 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

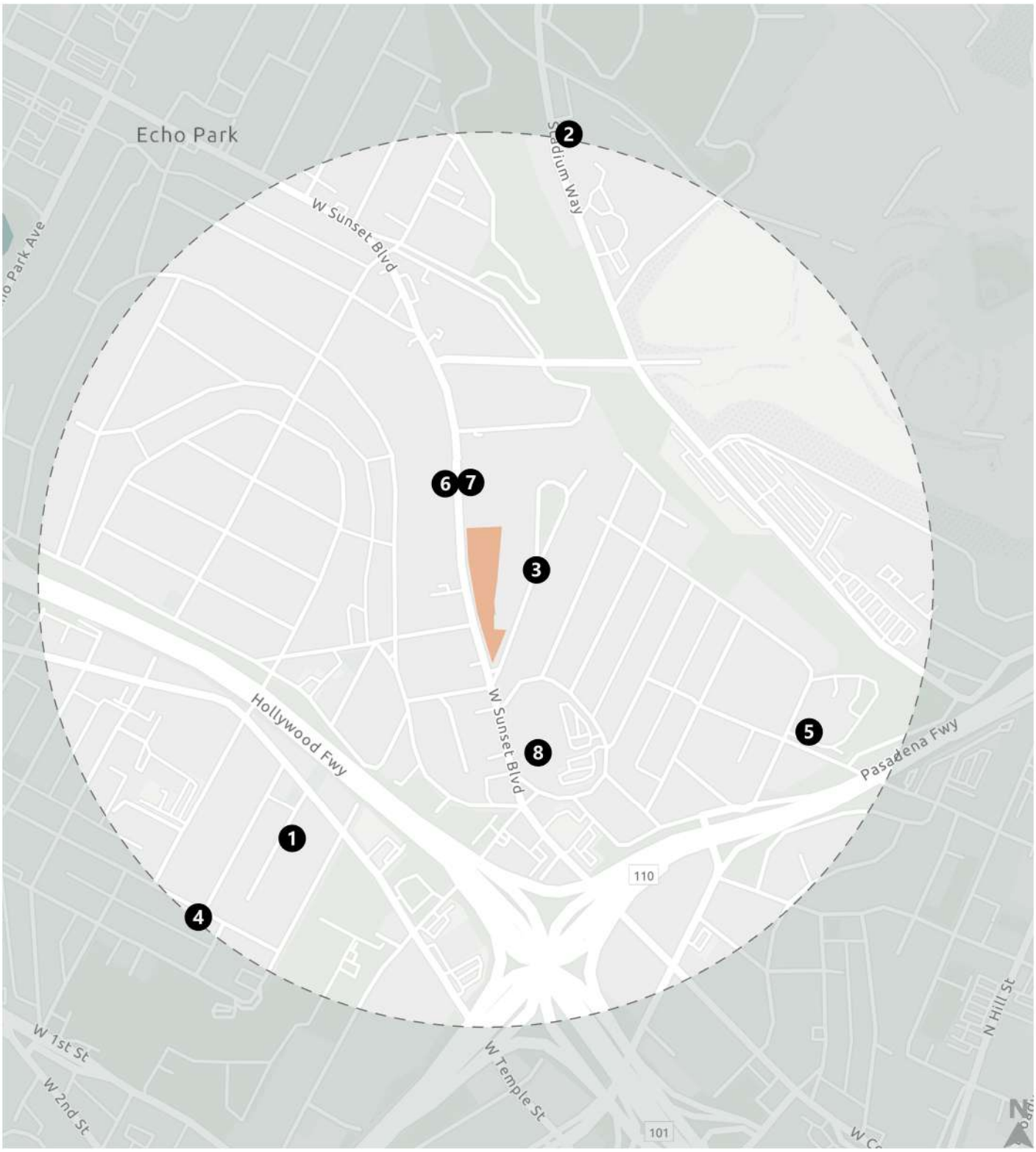
Figure 2

6/15/2023

Table 2: Related Projects

ID	PROJECT TITLE	PROJECT ADDRESS	LAND USE	SIZE	Trip Generation Estimates [a]					
					AM PEAK HOUR			PM PEAK HOUR		
					In	Out	Total	In	Out	Total
1	Firmin Court Residential	418 N Firmin St	Apartments	64 du	6	9	15	6	4	10
2	Barlow Skilled Nursing Facility	2000 N Stadium Way	Medical	80.545 ksf	19	7	26	11	22	33
3	Evertt St (2016) Project	1013 N Everett St	Apartments	49 du	5	20	25	19	10	29
4	Apartments	1246 W Court St	Apartments	54 du	6	22	28	21	12	33
5	Kaiser LA Specialty Medical Center	765 W College St	Medical	100 ksf	178	48	226	78	198	276
			Mental Health Facility	62 beds						
6	1274 Sunset Hotel	1274 Sunset Blvd	Hotel	8 rooms	2	2	4	3	2	5
			Restaurant	1.47 ksf	11	9	20	12	12	24
7	1275 Sunset Residential	1275 Sunset Blvd	Apartments	77 du	7	20	27	18	12	30
8	1111 Sunset Mixed Use	1111 Sunset Blvd	Mixed Use	N/A [b]	241	290	531	386	282	668

du = dwelling units
ksf = one thousand square feet
[a] Based on information provided by LADOT on February 3, 2023 and *ITE Trip Generation Manual, 11th ed* , 2021
[b] Trip generation estimates for 1111 Sunset Mixed Use drawn from the project's Draft EIR.



Project Site

Related Projects

1/2 mile radius from Project Site

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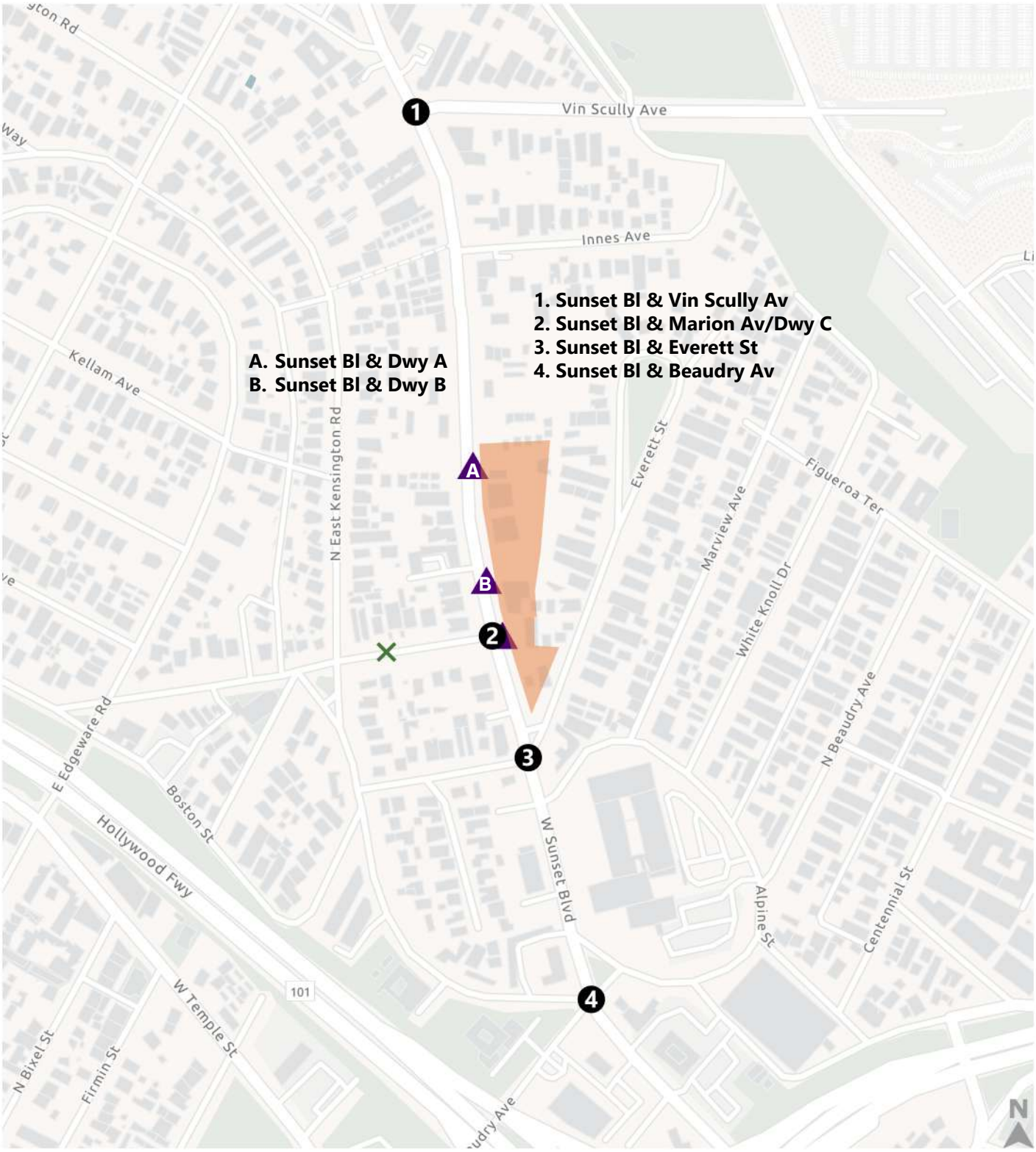
Figure 3

Sunset + Everett Project
Related Projects



Project Site
Study Intersections
Study Segments
Project Driveway

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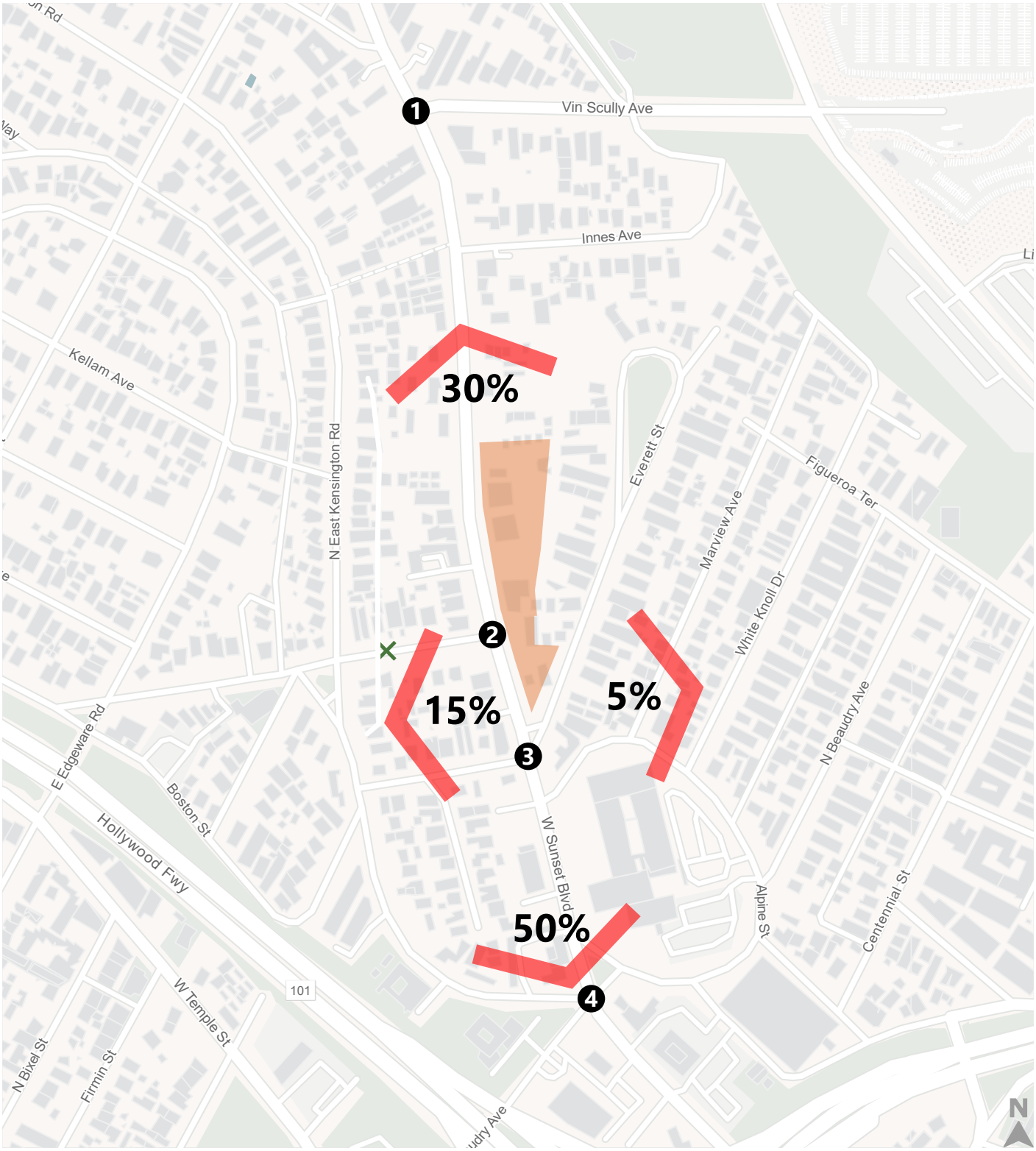
Figure 4

Sunset + Everett Project
Study Intersections



Project Site

Study Intersections

Study Segments

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Figure 5

Sunset + Everett Project
Project Trip Distribution

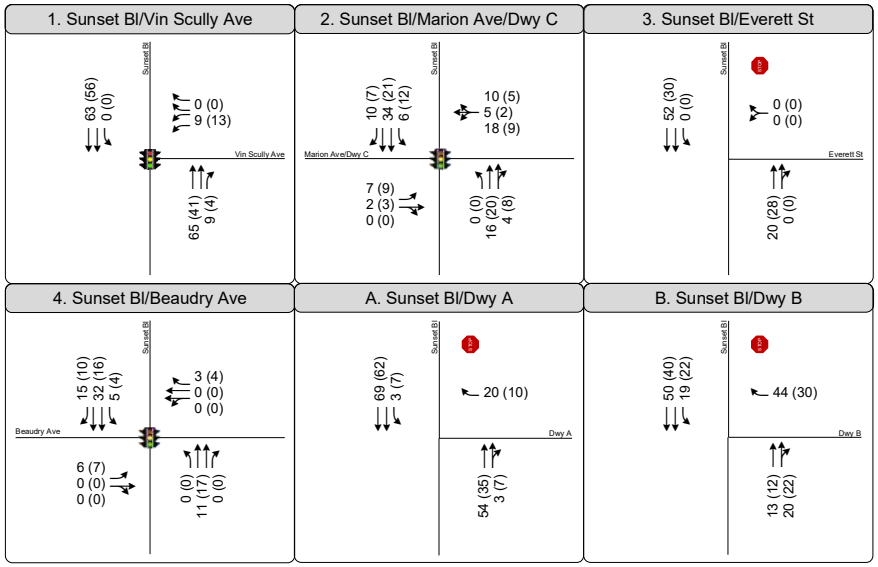

Figure 6
Sunset + Everett Project
Project Only Volumes AM(PM)

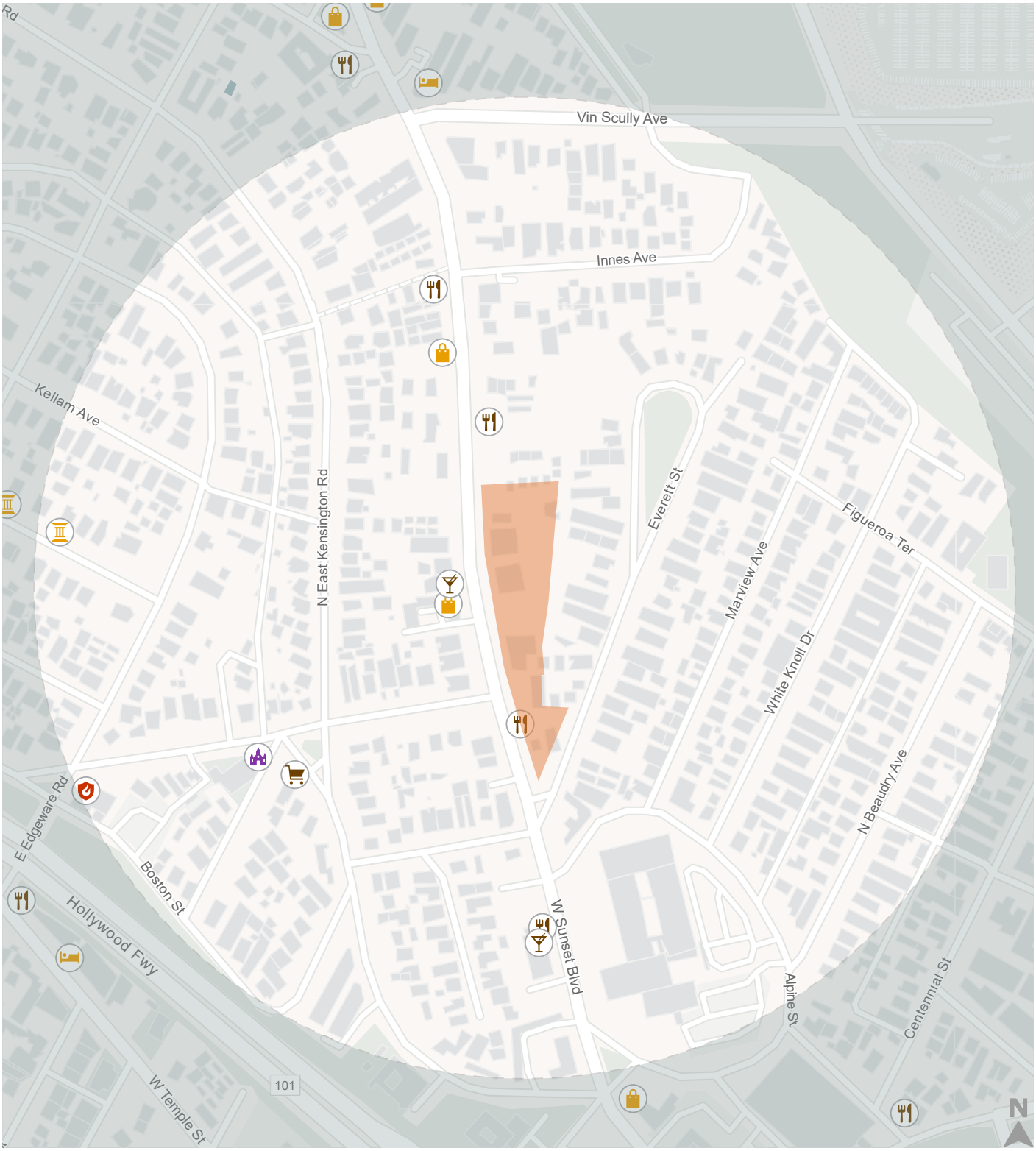

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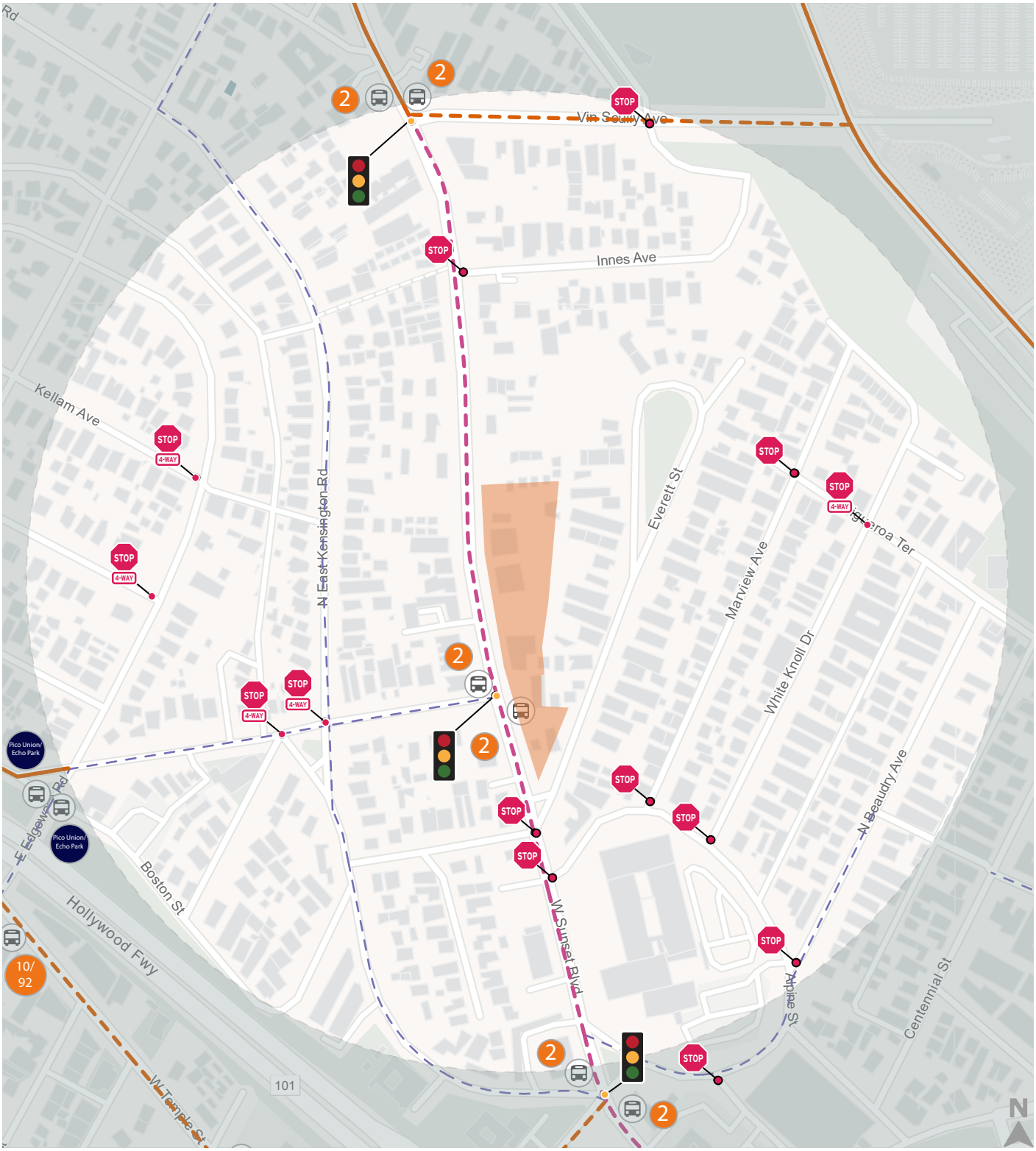
Figure 7

Sunset + Everett Project
Pedestrian Attractors Inventory



Project Site

1/4 mile radius from Project Site

Metro & DASH Stops (with route #)

Existing / Planned Bikeways

Class II Bike Lane

Class III Bike Route

Class IV Protected Bike Lane

Traffic Control Devices

Esri Community Maps Contributors, County of Los Angeles, California State Parks, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA

Figure 8

Sunset + Everett Project Facilities Inventory

ATTACHMENT A

TRANSPORTATION DEMAND MANAGEMENT PROGRAM

SUNSET/EVERETT PROJECT

Quantifiable TDM Measures as Project Design Features (CEQA)
Reduced parking supply from LAMC minimum (263 spaces instead of 621 spaces)
Promotion and marketing program (kiosk, coordinator, pamphlets, website)
Including minimum bike parking per LAMC

Attachment B

In consultation with LADOT, we propose to collect traffic volume counts and study the standard AM peak period (7:00AM-10:00AM) and PM peak period (3:00PM-6:00PM), as well as an additional study of PM peak period (3:00PM-6:00PM) on the day of a Dodgers home game, given the Project's proximity to Vin Scully Ave and Dodger Stadium.

Appendix B: Transportation Analysis Guidelines Screening Responses and Supporting Analysis

Transportation Analysis Guidelines Screening Responses and Supporting Analysis

Adapted from Transportation Analysis Guidelines, LADOT, August 2022

Screening Criteria	Screening Evaluation	Analysis Required?
2.1 CONFLICTING WITH PLANS, PROGRAMS, ORDINANCES, OR POLICIES		
If the project requires a discretionary action, and the answer is yes to any of the following questions, further analysis will be required to assess whether the proposed project would conflict with plans, programs, ordinances, or policies: 1. Does the project require a discretionary action that requires the decision maker to find that the decision substantially conforms to the purpose, intent and provisions of the General Plan? 2. Is the project known to directly conflict with a transportation plan, policy, or program adopted to support multimodal transportation options or public safety? 3. Is the project required to or proposing to make any voluntary modifications to the public right-of-way (i.e., dedications and/or improvements in the right-of-way, reconfigurations of curb line, etc.)?	1. Yes 2. No 3. Yes	Yes, see Chapter 3.1 and Appendix D

2.2 CAUSING SUBSTANTIAL VEHICLE MILES TRAVELED		
If the project requires a discretionary action, and the answer is no to either T-2.1-1 or T-2.1-2, further analysis will not be required for Threshold T-2.1, and a "no impact" determination can be made for that threshold: 1. T-2.1-1: Would the land use project generate a net increase of 250 or more daily vehicle trips? 2. T-2.1-2: Would the project generate a net increase in daily VMT? In addition to the above screening criteria, the portion of, or the entirety of a project that contains small-scale or local serving retail uses are assumed to have less than significant VMT impacts. If the answer to the following question is no, then that portion of the project meets the screening criteria and a no impact determination can be made for the portion of the project that contains retail uses. However, if the retail project is part of a larger mixed-use project, then the remaining portion of the project may be subject to further analysis in accordance with the above screening criteria. Projects that include retail uses in excess of the screening criteria would need to evaluate the entirety of the project's vehicle miles traveled, as specified in Section 2.2.4. 3. If the project includes retail uses, does the portion of the project that contain retail uses exceed a net 50,000 square feet? Independent of the above screening criteria, and the project requires a discretionary action, further analysis will be required if the following statement is true: 4. Would the Project or Plan located within a one-half mile of a fixed-rail or fixed-guideway transit station replace an existing number of residential units with a smaller number of residential units?	1. Yes 2. Yes 3. No 4. No	Yes, see Chapter 3.2
2.3 SUBSTANTIALLY INDUCING ADDITIONAL AUTOMOBILE TRAVEL		
If the answer is no to the following question, further analysis will not be required for Threshold T-2.2, and a no impact determination can be made for that threshold: 1. T-2.2: Would the project include the addition of through traffic lanes on existing or new highways, including general purpose lanes, high-occupancy vehicle (HOV) lanes, peak period lanes, auxiliary lanes, and lanes through grade-separated interchanges (except managed lanes, transit lanes, and auxiliary lanes of less than one mile in length designed to improve roadway safety)?	1. No	No

2.4 SUBSTANTIALLY INCREASING HAZARDS DUE TO A GEOMETRIC DESIGN FEATURE OR INCOMPATIBLE USE		
If the project requires a discretionary action, and the answer is "yes" to either of the following questions, further analysis will be required to assess whether the project would result in impacts due to geometric design hazards or incompatible uses: 1. Is the project proposing new driveways, or introducing new vehicle access to the property from the public right-of-way? 2. Is the project proposing to, or required to make any voluntary or required, modifications to the public right-of-way (i.e., street dedications, reconfigurations of curb line, etc.)? 3. Does the land use project involve a discretionary action that would be under review by the Department of City Planning? 4. Would the land use project generate a net increase of 250 or more daily vehicle trips? 5. Would the land use project add 25 or more trips to any off-ramp in either the morning of afternoon peak hour?	1. Yes 2. Yes 3. Yes 4. Yes 5. No	Yes, see Chapter 3.3
3.2 PEDESTRIAN, BICYCLE, AND TRANSIT ACCESS ASSESSMENT		
If the answer is yes to all of the following questions, further analysis will be required to assess whether the project would negatively affect existing pedestrian, bicycle, or transit facilities: 1. Does the land use project involve a discretionary action that would be under review by the Department of City Planning? 2. Does the land use project include the construction, or addition of: a. 50 dwelling units or guest rooms or combination thereof, or b. 50,000 square feet of non-residential space? 3. Would the project generate a net increase of 1,000 or more daily vehicle trips, or is the project's frontage along an Avenue, Boulevard, or Collector (as designated in the City's General Plan) 250 linear feet or more, or is the project's building frontage encompassing an entire block along an Avenue or Boulevard (as designated in the City's General Plan)?	1. Yes 2. Yes (a.) 3. Yes	Yes, see Chapter 4.1
3.3 PROJECT ACCESS, SAFETY, AND CIRCULATION EVALUATION		

Land Use Development Projects: For land use projects, if the answer is yes to all of the following questions, further analysis will be required to assess whether the project would negatively affect project access and circulation: 1. Does the land use project involve a discretionary action that would be under review by the Department of City Planning? 2. Would the land use project generate a net increase of 500 or more daily vehicle trips?	1. Yes 2. Yes	Yes, see Chapter 4.2
3.4 PROJECT CONSTRUCTION		
If the answer is yes to any of the following questions, further analysis will be required to assess if the project could negatively affect existing pedestrian, bicycle, transit, or vehicle circulation: 1. Would a project that requires construction activities to take place within the right-of-way of a Boulevard or Avenue (as designated in the Mobility Plan 2035) which would necessitate temporary lane, alley, or street closures for more than one day (including day and evening hours, and overnight closures if on a residential street?) 2. Would a project require construction activities to take place within the right-of-way of a Collector or Local Street (as designated in the Mobility Plan 2035) which would necessitate temporary lane, alley, or street closures for more than seven days (including day and evening hours, and including overnight closures if on a residential street)? 3. Would in-street construction activities result in the loss of regular vehicle, bicycle, or pedestrian access, including loss of existing bicycle parking to an existing land use for more than one day, including day and evening hours and overnight closures if access is lost to residential units? 4. Would in-street construction activities result in the loss of regular ADA pedestrian access to an existing transit station, stop, or facility (e.g., layover zone) during revenue hours? 5. Would in-street construction activities result in the temporary loss for more than one day of an existing bus stop or rerouting of a bus route that serves the project site? 6. Would construction activities result in the temporary removal and/or loss of on-street metered parking for more than 30 days? 7. Would the project involve a discretionary action to construct new buildings or additions of more than 1,000 square feet that require access for hauling construction materials and equipment from streets of less than 24-feet wide in a hillside area?	1. Yes 2. No 3. Yes 4. No 5. No 6. Yes 7. No	Yes, see Chapter 4.4

3.5 RESIDENTIAL STREET CUT-THROUGH ANALYSIS		
Land Use Development Projects: If the answer is yes to all of the following questions, further analysis may be required to assess whether the project would negatively affect residential streets: 1. Would the project generate a net increase of 250 or more daily vehicle trips? 2. Does the land use project include a discretionary action that would be under review by the Department of City Planning? In addition, for development projects, when selecting residential street segments for analyses during the transportation assessment scoping process, all of the following conditions must be present: 3. The project is located along a currently congested Boulevard or Avenue and adds trips that may lead to trip diversion to parallel routes along residential Local Streets. The congestion level of the Boulevard or Avenue can be determined based on the estimated peak hour LOS under project conditions of the study intersection(s) (as determined in Section 3.3). LOS E and F are considered to represent congested conditions; 4. The project is projected to add a substantial amount of automobile traffic to the congested Boulevard(s), Avenue(s), or Collector(s) that could potentially cause a shift to alternative route(s); and 5. Nearby local residential street(s) (defined as Local streets as designated in the City's General Plan passing through a residential neighborhood) provide motorists with a viable alternative route. A viable alternative route is defined as one which is parallel and reasonably adjacent to the primary route as to make it attractive as an alternative to the primary route. LADOT has discretion to define which routes are viable alternative routes, based on, but not limited to, features such as geography and presence of existing traffic control devices, etc.	1. Yes 2. Yes 3. No 4. No 5. No	Yes

Appendix C:
Transit Service Schedules

Monday through Friday

Effective Jun 25 2023

4

Eastbound *Al Este* (Approximate Times / *Tiempos Aproximados*)

Westbound *Al Oeste* (Approximate Times / *Tiempos Aproximados*)

SANTA MONICA	WEST LOS ANGELES	WEST HOLLYWOOD		LOS ANGELES		ECHO PARK	LOS ANGELES
1	2	3	4	5	6	7	8
6th & Santa Monica	Santa Monica & Westwood B	Santa Monica & San Vicente	Santa Monica & Fairfax	Santa Monica & Western	Santa Monica / Vermont Station	Sunset & Echo Park	Venice & Broadway
4:37A	4:56A	5:10A	5:16A	5:30A	5:35A	5:45A	6:05A
4:54	5:14	5:28	5:34	5:48	5:53	6:03	6:24
5:09	5:29	5:43	5:49	6:03	6:09	6:20	6:42
5:21	5:42	5:56	6:02	6:16	6:22	6:33	6:56
5:32	5:53	6:08	6:14	6:28	6:34	6:46	7:09
E5:47	6:05	6:20	6:26	6:40	6:46	6:58	7:21
5:55	6:16	6:31	6:37	6:51	6:57	7:10	7:33
—	6:23	6:38	6:44	6:58	7:04	7:17	7:41
E6:11	6:29	6:45	6:51	7:06	7:12	7:25	7:50
—	6:35	6:51	6:57	7:13	7:19	7:32	7:58
6:20	6:42	6:58	7:05	7:21	7:27	7:41	8:07
—	6:49	7:05	7:12	7:28	7:34	7:48	8:14
6:33	6:56	7:13	7:20	7:36	7:42	7:56	8:22
—	7:02	7:19	7:26	7:43	7:49	8:03	8:29
6:46	7:10	7:27	7:34	7:51	7:57	8:11	8:37
—	7:17	7:34	7:41	7:58	8:04	8:18	8:44
7:00	7:24	7:42	7:49	8:06	8:12	8:26	8:52
—	7:31	7:49	7:56	8:13	8:19	8:33	8:59
7:13	7:38	7:56	8:04	8:21	8:27	8:41	9:07
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E4:17	4:33	4:47	4:53	5:07	5:12	5:21	5:41

LOS ANGELES	ECHO PARK	LOS ANGELES		WEST HOLLYWOOD		WEST LOS ANGELES	SANTA MONICA
8	7	6	5	4	3	2	1
Broadway & Venice	Sunset & Echo Park	Santa Monica / Vermont Station	Santa Monica & Western	Santa Monica & Fairfax	Santa Monica & San Vicente	Santa Monica & Westwood C	6th & Santa Monica
4:06A	4:24A	4:34A	4:38A	4:49A	4:55A	5:07A	F5:24A
4:30	4:47	4:57	5:01	5:12	5:18	5:30	F5:49
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6:42	7:02	7:15	7:21	7:39	7:48	8:10	8:37
6:48	7:09	7:22	7:28	7:47	7:56	8:19	—
6:54	7:16	7:29	7:36	7:55	8:05	8:27	8:54
7:00	7:22	7:36	7:43	8:02	8:13	8:36	—
7:07	7:29	7:44	7:51	8:10	8:21	8:43	9:10
7:14	7:36	7:51	7:58	8:17	8:28	8:51	—
7:22	7:44	7:59	8:06	8:25	8:36	8:58	9:25
7:29	7:51	8:06	8:13	8:32	8:43	9:06	—
7:37	7:59	8:14	8:21	8:40	8:51	9:13	9:40
7:44	8:06	8:21	8:28	8:47	8:58	9:21	—
7:52	8:14	8:29	8:36	8:55	9:06	9:28	9:55
7:58	8:21	8:36	8:43	9:02	9:13	9:36	—
8:06	8:29	8:44	8:51	9:10	9:21	9:43	10:11
8:13	8:36	8:51	8:58	9:17	9:28	9:51	—
8:21	8:44	8:59	9:06	9:25	9:36	9:58	10:26
8:28	8:51	9:06	9:13	9:32	9:43	10:06	—
8:36	8:59	9:14	9:21	9:40	9:51	10:13	10:41
8:43	9:06	9:21	9:28	9:47	9:58	10:21	—
8:51	9:14	9:29	9:36	9:55	10:06	10:28	10:57
8:58	9:21	9:36	9:43	10:02	10:13	10:36	—
9:06	9:29	9:44	9:51	10:11	10:22	10:44	11:13
9:13	9:36	9:51	9:58	10:18	10:29	10:53	—
9:21	9:44	9:59	10:06	10:26	10:37	10:59	11:29
9:28	9:51	10:06	10:13	10:33	10:44	11:08	—
9:36	9:59	10:14	10:21	10:41	10:52	11:14	11:45
9:43	10:06	10:21	10:28	10:48	10:59	11:23	—
9:51	10:14	10:29	10:36	10:56	11:07	11:29	11:59
9:57	10:21	10:36	10:43	11:03	11:14	11:38	—
10:05	10:29	10:44	10:51	11:11	11:22	11:44	12:15P
10:12	10:36	10:51	10:58	11:18	11:29	11:53	—
10:20	10:44	10:59	11:06	11:26	11:37	11:59	12:30
10:27	10:51	11:06	11:13	11:33	11:44	12:08P	—
10:34	10:58	11:14	11:21	11:42	11:53	12:15	12:46
10:40	11:05	11:21	11:28	11:49	11:59	12:25	—
10:47	11:12	11:28	11:36	11:57	12:08P	12:30	1:01
10:53	11:19	11:35	11:43	12:04P	12:15	12:40	—
11:00	11:26	11:43	11:51	12:12	12:23	12:45	1:16
11:07	11:33	11:50	11:58	12:19	12:30	12:55	—
11:15	11:41	11:58	12:06P	12:27	12:38	1:00	1:31
11:21	11:48	12:05P	12:13	12:34	12:45	1:10	—
11:29	11:56	12:13	12:21	12:42	12:53	1:15	1:46
11:36	12:03P	12:20	12:28	12:49	1:00	1:25	—
11:44	12:11	12:28	12:36	12:57	1:08	1:30	2:01
11:51	12:18	12:35	12:43	1:04	1:15	1:40	—
11:58	12:25	12:43	12:51	1:12	1:23	1:46	2:18
12:05P	12:32	12:50	12:58	1:19	1:30	1:55	—
12:13	12:40	12:58	1:06	1:27	1:38	2:01	2:33
12:20	12:47	1:05	1:13	1:34	1:45	2:10	—
12:28	12:55	1:13	1:21	1:42	1:53	2:17	2:49
12:35	1:02	1:20	1:28	1:49	2:00	2:25	—
12:43	1:10	1:28	1:36	1:57	2:08	2:32	3:04
12:50	1:17	1:35	1:43	2:04	2:15	2:40	—
12:58	1:25	1:43	1:51	2:12	2:23	2:47	3:20
1:05	1:32	1:50	1:58	2:19	2:30	2:55	—
1:13	1:40	1:58	2:06	2:27	2:38	3:02	3:35
1:20	1:47	2:05	2:13	2:34	2:45	3:10	—
1:28	1:55	2:13	2:21	2:42	2:53	3:17	3:50
1:35	2:02	2:20	2:28	2:49	3:00	3:25	—
1:43	2:10	2:28	2:36	2:57	3:08	3:32	4:05
1:50	2:17	2:35	2:43	3:04	3:15	3:40	—
1:58	2:25	2:43	2:51	3:12	3:23	3:47	4:20
2:05	2:32	2:50	2:58	3:19	3:30	3:55	—
2:13	2:40	2:58	3:06	3:27	3:38	4:02	4:35
2:20	2:47	3:05	3:13	3:34	3:45	4:10	—
2:28	2:55	3:13	3:21	3:42	3:53	4:17	4:50
2:35	3:02	3:20	3:28	3:49	4:00	4:25	—
2:43	3:10	3:28	3:36	3:57	4:08	4:32	5:04
2:50	3:17	3:35	3:43	4:04	4:15	4:40	—
2:58	3:25	3:43	3:51	4:11	4:22	4:46	5:18
3:05	3:32	3:50	3:58	4:18	4:29	4:54	—
3:13	3:40	3:58	4:06	4:26	4:37	5:01	5:34
3:20	3:47	4:05	4:13	4:33	4:44	5:09	—
3:28	3:55	4:13	4:21	4:41	4:52	5:16	5:49
3:35	4:02	4:20	4:28	4:48	4:59	5:24	—
3:42	4:10	4:28	4:36	4:56	5:07	5:31	6:04
3:50	4:17	4:35	4:43	5:03	5:14	5:39	—
3:57	4:25	4:43	4:51	5:11	5:22	5:46	6:19
4:04	4:32	4:50	4:58	5:18	5:29	5:53	6:25
4:12	4:40	4:58	5:06	5:26	5:37	6:01	6:33
4:19	4:47	5:05	5:13	5:33	5:44	6:09	—
4:28	4:56	5:13	5:21	5:40	5:51	6:14	6:45
4:35	5:03	5:20	5:28	5:47	5:58	6:23	—
4:44	5:12	5:29	5:36	5:55	6:05	6:27	6:58
4:51	5:19	5:36	5:43	6:02	6:12	6:37	—
4:59	5:27	5:44	5:51	6:10	6:20	6:41	7:11
5:07	5:34	5:51	5:58	6:17	6:27	6:51	—
5:15	5:42	5:59	6:06	6:25	6:35	6:55	7:24
5:22	5:49	6:06	6:13	6:32	6:42	7:02	7:30
5:31	5:58	6:14	6:21	6:39	6:49	7:08	7:36
5:38	6:05	6:21	6:28	6:46	6:56	7:18	—
5:46	6:13	6:29	6:36	6:54	7:04	7:22	7:49
5:54	6:20	6:36	6:43	7:01	7:11	7:32	—
6:02	6:28	6:44	6:51	7:09	7:19	7:37	8:04
6:10	6:36	6:52	6:59	7:16	7:26	7:47	—
6:21	6:46	7:02	7:09	7:26	7:35	7:52	8:18
6:31	6:56	7:12	7:19	7:36	7:45	8:02	8:28
6:42	7:07	7:23	7:30	7:47	7:56	8:13	8:39
6:55	7:20	7:36	7:42	7:59	8:08	8:25	8:51
7:09	7:33	7:48	7:54	8:10	8:19	8:36	9:02
7:21	7:45	8:00	8:06	8:22	8:31	8:48	9:13
7:36	7:59	8:14	8:20	8:36	8:45	9:02	9:27
7:51	8:14	8:29	8:35	8:51	9:00	9:17	F9:38
8:06	8:29	8:44	8:50	9:06	9:14	9:31	F9:51
8:21	8:44	8:59	9:05	9:21	9:29	9:46	F10:06
8:37	9:00	9:15	9:21	9:37	9:45	10:02	F10:21
8:55	9:17	9:32	9:37	9:52	10:00	10:17	F10:36
9:12	9:34	9:48	9:53	10:08	10:16	10:33	F10:52
9:30	9:52	10:06	10:11	10:26	10:34	10:51	F11:10
9:49	10:11	10:24	10:29	10:44	10:52	11:08	F11:27
10:07	10:29	10:42	10:47	11:02	11:10	11:26	F11:43
10:25	10:47	11:00	11:05	11:20	11:28	11:43	F11:59
10:44	11:06	11:18	11:23	11:37	11:45	11:59	F12:17A
D11:06	11:25	11:36	11:41	11:55	12:03A	12:17A	F12:34
11:21	11:43	11:54	11:59	12:12A	12:20	12:34	F12:50
11:44	12:04A	12:15A	12:19A	12:32	12:39	12:52	F1:08
D12:06A	12:24	12:35	12:39	12:51	12:58	1:11	F1:27
12:25	12:44	12:55	12:59	1:11	1:18	1:31	F1:47
12:45	1:04	1:15	1:19	1:31	1:38	1:51	F2:08
D1:06	1:24	1:35	1:39	1:51	1:58	2:11	F2:27
1:35	1:54	2:04	2:08	2:20	2:27	2:40	F2:56
D2:06	2:24	2:34	2:38	2:49	2:56	3:08	F3:24
2:36	2:54	3:04	3:08	3:19	3:25	3:37	F3:53
D3:06	3:24	3:34	3:38	3:49	3:55	4:07	F4:24
3:36	3:54	4:04	4:08	4:19	4:25	4:37	F4:54

Saturday, Sunday and Holiday Schedules

Saturday, Sunday & Holiday schedule in effect on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

Horarios de sábado, domingo y días feriados en vigor para New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Special Notes

- **B** Trips shown originating at Santa Monica & Westwood begin service from Nebraska & Sepulveda 5 - 9 minutes before time shown.
- **C** Trips shown terminating at Santa Monica & Westwood continue to Nebraska & Sepulveda arriving approximately 2 - 5 minutes after time shown.
- **D** Waits at Broadway & 7th for transfer connection.
- **E** Trips starts at Santa Monica & 4th at time shown.
- **F** Trip ends at Santa Monica & 3rd St Prominade at time shown.

Avisos especiales

- **B** *Los viajes que se muestran originándose en Santa Mónica y Westwood empiezan el servicio desde Nebraska y Sepulveda 5 - 9 minutos antes de la hora mostrada.*
- **C** *Los viajes que se muestran terminando en Santa Mónica y Westwood continúan hacia Nebraska & Sepulveda llegando a aproximadamente 2 - 5 minutos después de la hora mostrada.*
- **D** *Espera en Broadway y 7th para las conexione de transferencia.*
- **E** *Viaje comienza en Santa Monica & 4th a la hora mostrada.*
- **F** *Viaje termina en Santa Monica & 3rd St Prominade a la hora mostrada.*

Need information?

Transit Information: 323.466.3876
Customer Relations: 213.922.6235
In an Emergency: 1.888.950.7233 or 911

And for all you need to know, visit *metro.net*.

Effective Jun 25 2023

Metro Local

Eastbound to Downtown Los Angeles
Westbound to Santa Monica
via Santa Monica Bl & Sunset Bl

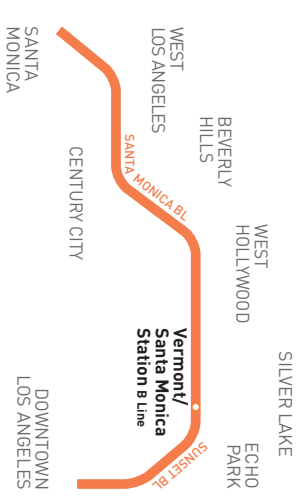
4

metro.net
323.GO.METRO

Travel Info
511

Wheelchair Hotline
800.621.7828

California Relay Service
711



Metro

Subject to change without notice
Sujeto a cambios sin previo aviso

Saturday, Sunday and Holiday Schedule

Effective Jun 25 2023

4

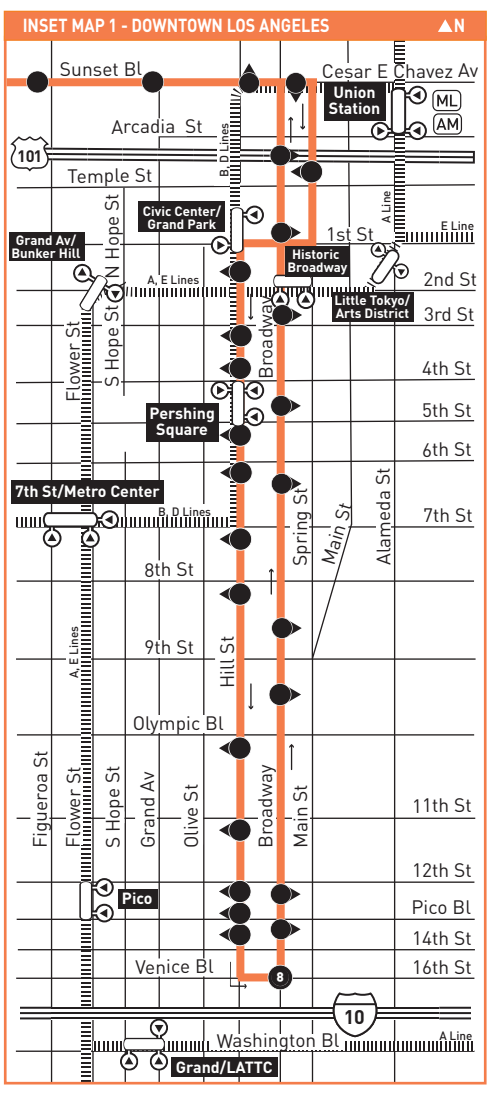
Eastbound *Al Este* (Approximate Times / *Tiempos Aproximados*)

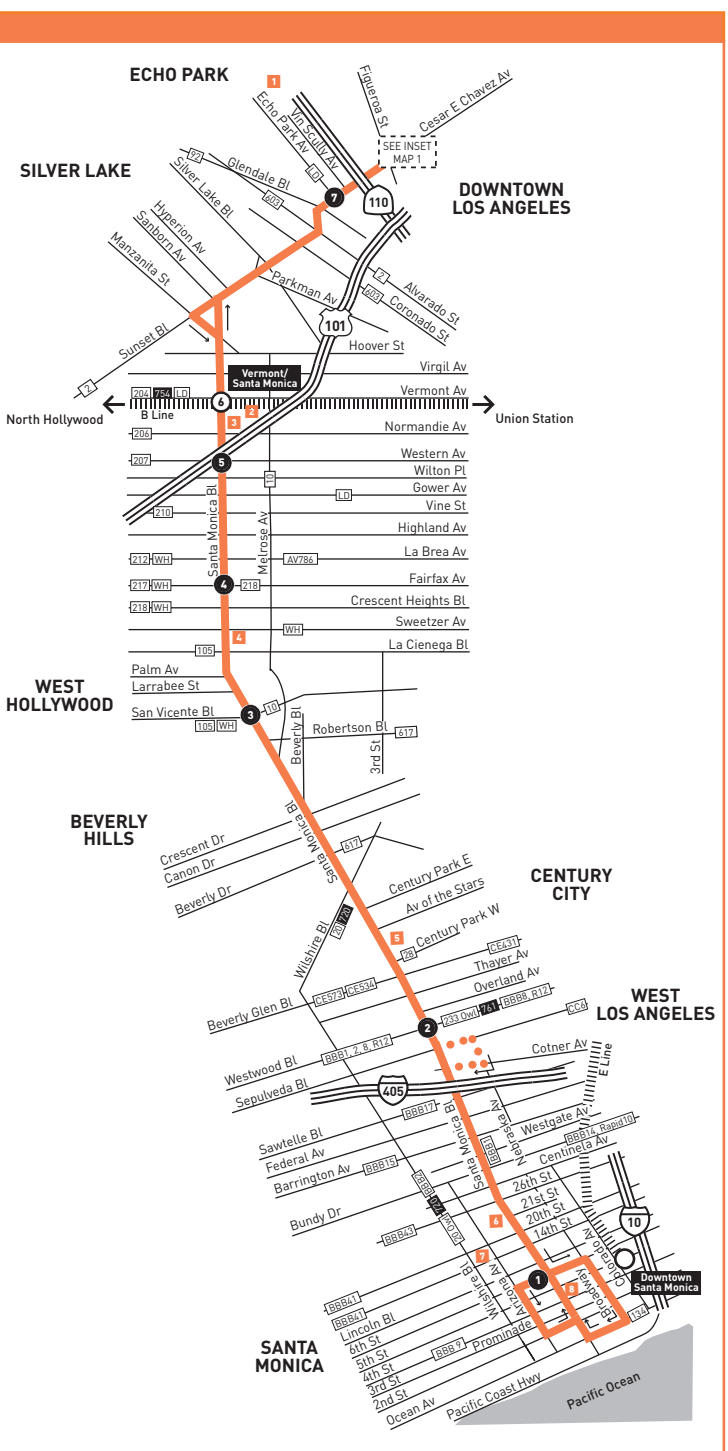
SANTA MONICA	WEST LOS ANGELES	WEST HOLLYWOOD		LOS ANGELES		ECHO PARK	LOS ANGELES
1	2	3	4	5	6	7	8
6th & Santa Monica	Santa Monica & Westwood B	Santa Monica & San Vicente	Santa Monica & Fairfax	Santa Monica & Western	Santa Monica / Vermont Station	Sunset & Echo Park	Venice & Broadway
4:42A	5:01A	5:15A	5:21A	5:35A	5:40A	5:50A	6:12A
5:04	5:23	5:37	5:43	5:57	6:02	6:12	6:34
5:26	5:45	5:59	6:05	6:19	6:24	6:34	6:56
E5:50	6:06	6:20	6:26	6:40	6:45	6:56	7:18
E6:09	6:25	6:40	6:46	7:00	7:05	7:17	7:40
6:22	6:42	6:57	7:03	7:18	7:23	7:35	7:58
6:37	6:57	7:12	7:19	7:34	7:39	7:51	8:14
6:50	7:10	7:25	7:32	7:47	7:52	8:04	8:27
7:00	7:20	7:35	7:42	7:57	8:02	8:14	8:37
—	7:30	7:45	7:52	8:07	8:12	8:24	8:48
7:19	7:40	7:55	8:02	8:17	8:22	8:34	8:58
—	7:50	8:05	8:12	8:27	8:32	8:45	9:09
7:39	8:00	8:15	8:22	8:37	8:43	8:56	9:20
—	8:10	8:25	8:32	8:47	8:53	9:06	9:30
7:57	8:20	8:35	8:42	8:57	9:03	9:17	9:41
—	8:29	8:45	8:52	9:07	9:13	9:27	9:51
8:15	8:38	8:54	9:01	9:17	9:23	9:37	10:02
—	8:47	9:03	9:11	9:27	9:33	9:47	10:12
8:32	8:56	9:13	9:21	9:37	9:43	9:57	10:22
—	9:05	9:22	9:30	9:47	9:53	10:07	10:32
8:50	9:14	9:31	9:40	9:57	10:03	10:17	10:42
—	9:23	9:41	9:50	10:07	10:13	10:27	10:52
9:08	9:32	9:50	9:59	10:17	10:23	10:38	11:03
—	9:41	9:59	10:09	10:27	10:33	10:49	11:14
9:27	9:51	10:09	10:19	10:37	10:43	10:59	11:24
—	10:01	10:19	10:29	10:47	10:53	11:10	11:35
9:46	10:11	10:29	10:39	10:57	11:03	11:20	11:46
—	10:21	10:39	10:49	11:07	11:13	11:30	11:56
10:06	10:31	10:49	10:59	11:17	11:23	11:41	12:08P
—	10:41	10:59	11:09	11:27	11:33	11:51	12:19
10:26	10:51	11:09	11:19	11:37	11:43	12:01P	12:29
—	11:00	11:18	11:28	11:47	11:53	12:11	12:39
10:44	11:09	11:27	11:38	11:57	12:03P	12:21	12:49
—	11:18	11:37	11:48	12:07P	12:13	12:31	12:59
11:00	11:26	11:46	11:57	12:17	12:23	12:41	1:09
—	11:36	11:56	12:07P	12:27	12:33	12:51	1:19
11:19	11:46	12:06P	12:17	12:37	12:43	1:01	1:29
—	11:55	12:16	12:27	12:47	12:53	1:12	1:40
11:37	12:05P	12:26	12:37	12:57	1:03	1:23	1:51
—	12:14	12:36	12:47	1:07	1:13	1:33	2:01
11:54	12:23	12:45	12:56	1:17	1:23	1:43	2:11
—	12:32	12:55	1:06	1:27	1:33	1:53	2:21
12:12P	12:42	1:05	1:16	1:37	1:43	2:03	2:31
—	12:52	1:15	1:26	1:47	1:53	2:13	2:41
12:32	1:02	1:25	1:36	1:57	2:03	2:23	2:51
—	1:12	1:35	1:46	2:07	2:13	2:33	3:01
12:52	1:22	1:45	1:56	2:17	2:23	2:43	3:11
—	1:32	1:55	2:06	2:27	2:33	2:53	3:20
1:12	1:42	2:05	2:16	2:37	2:43	3:03	3:30
—	1:51	2:14	2:25	2:47	2:53	3:12	3:39
1:31	2:01	2:24	2:35	2:57	3:03	3:22	3:49
—	2:10	2:33	2:45	3:07	3:13	3:32	3:59
1:49	2:19	2:43	2:55	3:17	3:23	3:41	4:08
—	2:29	2:53	3:05	3:27	3:33	3:51	4:17
2:09	2:39	3:03	3:15	3:37	3:43	4:01	4:27
—	2:49	3:13	3:25	3:47	3:53	4:11	4:37
2:30	2:59	3:23	3:35	3:57	4:03	4:21	4:47
—	3:09	3:33	3:45	4:07	4:13	4:31	4:57
2:50	3:19	3:43	3:55	4:17	4:23	4:41	5:07
—	3:29	3:53	4:05	4:27	4:33	4:51	5:17
3:10	3:39	4:03	4:15	4:37	4:43	5:01	5:27
—	3:49	4:13	4:25	4:47	4:53	5:11	5:37
3:31	3:59	4:23	4:35	4:57	5:03	5:21	5:47
—	4:09	4:33	4:45	5:07	5:13	5:31	5:57
3:51	4:19	4:43	4:55	5:17	5:23	5:40	6:06
—	4:29	4:53	5:05	5:27	5:33	5:50	6:16
4:11	4:39	5:03	5:15	5:37	5:43	6:00	6:26
—	4:50	5:14	5:26	5:47	5:53	6:10	6:36
4:33	5:01	5:25	5:36	5:57	6:03	6:20	6:45
—	5:11	5:35	5:46	6:07	6:13	6:30	6:55
4:54	5:22	5:46	5:57	6:17	6:23	6:39	7:04
—	5:33	5:57	6:07	6:27	6:33	6:49	7:13
5:19	5:47	6:11	6:21	6:41	6:47	7:03	7:27
—	6:02	6:26	6:36	6:56	7:02	7:17	7:40
5:50	6:18	6:42	6:52	7:11	7:17	7:32	7:55
—	6:34	6:58	7:07	7:26	7:32	7:46	8:09
6:23	6:51	7:14	7:23	7:41	7:47	8:01	8:24
—	7:06	7:29	7:38	7:56	8:02	8:16	8:39
6:55	7:23	7:45	7:54	8:11	8:17	8:31	8:54
7:11	7:39	8:00	8:09	8:26	8:32	8:46	9:08
7:29	7:56	8:15	8:24	8:41	8:47	9:01	9:23
7:45	8:11	8:30	8:39	8:56	9:02	9:15	9:37
8:00	8:26	8:45	8:54	9:11	9:17	9:30	9:52
8:15	8:41	9:00	9:09	9:26	9:32	9:45	10:07
8:30	8:56	9:15	9:24	9:41	9:47	10:00	10:21
8:46	9:11	9:30	9:39	9:56	10:02	10:14	10:35
9:02	9:27	9:46	9:55	10:11	10:16	10:28	10:49
9:17	9:42	10:01	10:10	10:26	10:31	10:43	11:04
9:32	9:57	10:16	10:25	10:41	10:46	10:58	11:18
9:48	10:12	10:31	10:40	10:56	11:01	11:12	11:32
E10:08	10:27	10:46	10:55	11:11	11:16	11:27	11:47
E10:24	10:43	11:02	11:10	11:26	11:31	11:41	12:01A
E10:40	10:59	11:17	11:25	11:41	11:46	11:56	12:16
E10:55	11:14	11:32	11:40	11:56	12:01A	12:11A	12:31
E11:12	11:31	11:48	11:56	12:11A	12:16	12:26	12:46
E11:28	11:46	12:03A	12:11A	12:26	12:31	12:40	1:00
E11:44	12:02A	12:19	12:27	12:41	12:46	12:55	1:15
E11:59	12:18	12:35	12:42	12:56	1:01	1:10	1:30
E12:16A	12:34	12:50	12:57	1:11	1:16	1:25	1:45
E12:32	12:49	1:05	1:12	1:26	1:31	1:40	2:00
E12:47	1:04	1:20	1:27	1:41	1:46	1:55	2:15
E1:02	1:19	1:35	1:42	1:56	2:01	2:10	2:30
E1:18	1:35	1:51	1:58	2:12	2:17	2:26	2:46
E1:39	1:56	2:11	2:18	2:32	2:37	2:46	3:06
E2:00	2:16	2:31	2:38	2:52	2:57	3:06	3:26
E2:25	2:41	2:56	3:03	3:17	3:22	3:31	3:51
E2:50	3:06	3:21	3:28	3:42	3:47	3:56	4:16
E3:17	3:33	3:47	3:53	4:07	4:12	4:21	4:41
E3:47	4:03	4:17	4:23	4:37	4:42	4:51	5:11
E4:17	4:33	4:47	4:53	5:07	5:12	5:21	5:41

Westbound *Al Oeste* (Approximate Times / *Tiempos Aproximados*)

LOS ANGELES	ECHO PARK	LOS ANGELES		WEST HOLLYWOOD		WEST LOS ANGELES	SANTA MONICA
8	7	6	5	4	3	2	1
Broadway & Venice	Sunset & Echo Park	Santa Monica / Vermont Station	Santa Monica & Western	Santa Monica & Fairfax	Santa Monica & San Vicente	Santa Monica & Westwood C	6th & Santa Monica
4:06A	4:24A	4:34A	4:38A	4:49A	4:55A	5:07A	F5:24A
4:30	4:47	4:57	5:01	5:12	5:18	5:30	F5:47
4:52	5:10	5:20	5:25	5:36	5:42	5:54	6:13
5:16	5:34	5:44	5:49	6:00	6:06	6:19	6:38
5:38	5:57	6:07	6:12	6:24	6:30	6:45	7:05
5:54	6:14	6:24	6:29	6:42	6:48	7:03	7:24
6:08	6:28	6:39	6:44	6:57	7:04	7:20	7:41
6:20	6:41	6:52	6:57	7:10	7:17	7:33	7:54
6:33	6:54	7:05	7:10	7:23	7:30	7:46	8:07
6:44	7:05	7:17	7:22	7:35	7:42	7:58	8:20
6:56	7:17	7:29	7:34	7:48	7:55	8:14	—
7:08	7:29	7:41	7:46	8:00	8:07	8:24	8:46
7:19	7:40	7:52	7:57	8:11	8:18	8:37	—
7:30	7:51	8:03	8:08	8:22	8:29	8:46	9:09
7:40	8:01	8:13	8:18	8:32	8:40	8:59	—
7:49	8:11	8:23	8:28	8:44	8:52	9:09	9:33
7:58	8:20	8:32	8:38	8:54	9:02	9:22	—
8:07	8:29	8:42	8:48	9:04	9:12	9:29	9:54
8:17	8:39	8:52	8:58	9:14	9:22	9:43	—
8:27	8:49	9:02	9:08	9:24	9:32	9:50	10:16
8:36	8:58	9:12	9:18	9:34	9:43	10:05	—
8:44	9:08	9:22	9:28	9:45	9:54	10:13	10:39
8:53	9:17	9:31	9:38	9:55	10:04	10:26	—
9:02	9:26	9:41	9:48	10:05	10:14	10:33	10:59
9:12	9:36	9:51	9:58	10:16	10:25	10:47	—
9:22	9:46	10:01	10:08	10:26	10:35	10:54	11:21
9:31	9:55	10:11	10:18	10:36	10:45	11:07	—
9:40	10:05	10:21	10:28	10:46	10:55	11:14	11:42
9:50	10:15	10:31	10:38	10:56	11:05	11:27	—
9:59	10:24	10:41	10:48	11:06	11:15	11:34	12:03P
10:09	10:34	10:51	10:58	11:16	11:25	11:47	—
10:19	10:44	11:01	11:08	11:26	11:36	11:56	12:25
10:27	10:53	11:11	11:18	11:36	11:46	12:09P	—
10:37	11:03	11:21	11:28	11:46	11:56	12:17	12:46
10:47	11:13	11:31	11:38	11:56	12:06P	12:30	—
10:56	11:23	11:41	11:48	12:06P	12:16	12:37	1:06
11:06	11:33	11:51	11:58	12:17	12:27	12:51	—
11:15	11:42	11:59	12:08P	12:27	12:37	12:58	1:27
11:24	11:52	12:10P	12:18	12:37	12:47	1:11	—
11:34	12:02P	12:20	12:28	12:47	12:57	1:19	1:48
11:44	12:12	12:30	12:38	12:57	1:07	1:31	—
11:54	12:22	12:40	12:48	1:07	1:17	1:39	2:08
12:04P	12:32	12:50	12:58	1:18	1:28	1:52	—
12:14	12:42	1:00	1:08	1:28	1:39	2:01	2:30
12:24	12:52	1:10	1:18	1:38	1:49	2:13	—
12:34	1:02	1:20	1:28	1:48	1:59	2:22	2:51
12:44	1:12	1:30	1:38	1:58	2:09	2:33	—
12:54	1:22	1:40	1:48	2:08	2:19	2:42	3:11
1:04	1:32	1:50	1:58	2:18	2:29	2:53	—
1:14	1:42	2:00	2:08	2:28	2:39	3:02	3:31
1:24	1:52	2:10	2:18	2:38	2:49	3:13	—
1:34	2:02	2:20	2:28	2:48	2:59	3:22	3:51
1:44	2:12	2:30	2:38	2:58	3:09	3:33	—
1:54	2:22	2:40	2:48	3:08	3:19	3:42	4:11
2:04	2:32	2:50	2:58	3:18	3:29	3:53	—
2:14	2:42	3:00	3:08	3:28	3:39	4:02	4:30
2:24	2:52	3:10	3:18	3:38	3:49	4:12	—
2:34	3:02	3:20	3:28	3:47	3:58	4:20	4:48
2:45	3:13	3:31	3:38	3:57	4:08	4:31	—
2:55	3:23	3:41	3:48	4:07	4:18	4:40	5:08
3:05	3:33	3:51	3:58	4:17	4:28	4:51	—
3:15	3:43	4:01	4:08	4:27	4:37	4:58	5:26
3:25	3:53	4:11	4:18	4:37	4:47	5:10	—
3:35	4:03	4:21	4:28	4:46	4:56	5:17	5:45
3:45	4:13	4:31	4:38	4:56	5:06	5:29	—
3:55	4:23	4:41	4:48	5:06	5:16	5:37	6:05
4:05	4:33	4:51	4:58	5:16	5:26	5:49	—
4:15	4:43	5:01	5:08	5:26	5:36	5:57	6:24
4:26	4:54	5:11	5:18	5:36	5:46	6:09	—
4:36	5:04	5:21	5:28	5:46	5:56	6:17	6:44
4:46	5:14	5:31	5:38	5:56	6:06	6:29	—
4:57	5:24	5:41	5:48	6:06	6:16	6:36	7:03
5:07	5:34	5:51	5:58	6:15	6:25	6:46	—
5:17	5:44	6:01	6:08	6:25	6:35	6:54	7:21
5:28	5:55	6:11	6:18	6:35	6:45	7:06	—
5:38	6:05	6:21	6:28	6:45	6:55	7:14	7:40
5:48	6:15	6:31	6:38	6:55	7:05	7:26	—
5:59	6:25	6:41	6:48	7:05	7:15	7:34	8:00
6:14	6:39	6:55	7:02	7:19	7:29	7:46	8:12
6:29	6:54	7:10	7:17	7:34	7:43	8:00	8:25
6:44	7:09	7:25	7:32	7:48	7:57	8:14	8:39
7:00	7:25	7:40	7:47	8:03	8:11	8:28	8:53
7:15	7:40	7:55	8:02	8:18	8:26	8:43	9:08
7:33	7:56	8:11	8:17	8:33	8:41	8:58	9:23
7:48	8:11	8:26	8:32	8:48	8:56	9:13	F9:34
8:03	8:26	8:41	8:47	9:03	9:11	9:28	F9:48
8:19	8:42	8:57	9:03	9:19	9:27	9:44	F10:04
8:35	8:58	9:13	9:19	9:35	9:43	10:00	F10:19
8:52	9:15	9:30	9:35	9:50	9:58	10:15	F10:34
9:12	9:34	9:48	9:53	10:08	10:16	10:33	F10:52
9:30	9:52	10:06	10:11	10:26	10:34	10:51	F11:10
9:49	10:11	10:24	10:29	10:44	10:52	11:08	F11:27
10:07	10:29	10:42	10:47	11:02	11:10	11:26	F11:43
10:25	10:47	11:00	11:05	11:20	11:28	11:43	F11:59
10:44	11:06	11:18	11:23	11:37	11:45	11:59	F12:17A
D11:06	11:25	11:36	11:41	11:55	12:03A	12:17A	F12:34
11:21	11:43	11:54	11:59	12:12A	12:20	12:34	F12:50
11:44	12:04A	12:15A	12:19A	12:32	12:39	12:52	F1:08
D12:06A	12:24	12:35	12:39	12:51	12:58	1:11	F1:27
12:25	12:44	12:55	12:59	1:11	1:18	1:31	F1:47
12:45	1:04	1:15	1:19	1:31	1:38	1:51	F2:08
D1:06	1:24	1:35	1:39	1:51	1:58	2:11	F2:27
1:35	1:54	2:04	2:08	2:20	2:27	2:40	F2:56
D2:06	2:24	2:34	2:38	2:49	2:56	3:08	F3:24
2:36	2:54	3:04	3:08	3:19	3:25	3:37	F3:53
D3:06	3:24	3:34	3:38	3:49	3:55	4:07	F4:24
3:36	3:54	4:04	4:08	4:19	4:25	4:37	F4:54

ROUTE MAP





INSET 1 – DOWNTOWN LOS ANGELES

- Line 4 Route
- # Local Stop Timepoint
- # Local Stop Timepoint - Single Direction Only
- Metro Rail Station
- Metro Rail Station Entrance
- ML Metrolink
- AM Amtrak

MAP NOTES

1. **Dodger Stadium**
2. **Braille Institute**
3. **LA City College**
4. **West Hollywood City Hall**
5. **Westfield Century City**
   Metro 4, 28; AV786;
   BBB5; CC3, CE534, 573; SC792, 797
6. **St. John's Hospital**
7. **Santa Monica-UCLA Medical Center**
8. **Santa Monica Bl & 4th St/**
   Broadway & 4th St
   Metro 4, 20 Owl, 134, 720;
   BBB1, 2, 3, 5, 7, 8, 9, 18; Rapid 7, 10

LEGEND

- Line 4 Route
- Shortline Turnaround Loop at Nebraska & Sepulveda
- Local Stop
- Local Stop - Single Direction Only
- # Metro Rail Station & Timepoint
- Metro Rail
- Metro Rail Station
- AV Antelope Valley Transit Authority
- BBB Santa Monica's Big Blue Bus
- CC Culver CityBus
- CE LADOT Commuter Express
- LD LADOT DASH
- SC Santa Clarita Transit
- WH West Hollywood Cityline

Monday through Friday

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Effective Jun 25 2023 Revised

Eastbound *Al Este* (Approximate Times / *Tiempos Aproximados*)

Westbound *Al Oeste* (Approximate Times / *Tiempos Aproximados*)

WEST HOLLYWOOD	LOS ANGELES			DOWNTOWN LOS ANGELES		DOWNTOWN LOS ANGELES		LOS ANGELES			WEST HOLLYWOOD
1	3	5	6	7	8	8	7	6	5	4	2
San Vicente & Melrose	Melrose & Arden	Melrose & Western	Temple & Rampart	Temple & Figueroa	Main & Venice B	Main & Venice C	Temple & Figueroa	Temple & Rampart	Melrose & Western	Melrose & Vine	Santa Monica & San Vicente
4:00A	4:10A	4:13A	4:22A	4:28A	E4:38A	H5:12A	5:24A	5:30A	5:40A	5:44A	5:56A
4:50	5:00	5:03	5:12	5:18	5:28	5:45	5:57	6:05	6:16	6:20	6:33
5:10	5:20	5:23	5:33	5:40	5:53	6:09	6:24	6:32	6:44	D6:48	—
5:30	5:40	5:44	5:55	6:02	E6:16	H6:21	6:37	6:46	6:58	7:03	7:17
—	5:59	6:03	6:15	6:24	6:38	H6:33	6:49	6:58	7:13	7:18	7:32
6:09	6:20	6:24	6:36	6:45	E6:59	6:43	6:59	7:10	7:25	7:30	7:44
—	6:40	6:44	6:56	7:05	7:20	H6:52	7:09	7:20	7:35	7:40	7:54
6:46	6:57	7:01	7:15	7:25	E7:40	7:04	7:21	7:32	7:47	D7:51	—
—	7:07	7:12	7:26	7:36	7:51	H7:16	7:33	7:45	8:00	8:06	8:21
7:06	7:18	7:22	7:37	7:47	8:02	7:29	7:47	7:59	8:14	D8:19	—
7:16	7:28	7:33	7:49	7:59	E8:16	H7:43	8:01	8:12	8:27	8:33	8:48
—	7:42	7:47	8:03	8:13	8:30	7:56	8:14	8:25	8:39	D8:44	—
7:42	7:55	8:00	8:16	8:26	E8:43	H8:08	8:26	8:37	8:51	8:57	9:13
—	8:09	8:15	8:31	8:41	8:58	8:21	8:39	8:50	9:04	9:10	9:26
8:12	8:25	8:30	8:46	8:56	E9:13	8:33	8:51	9:02	9:16	D9:21	—
—	8:38	8:44	9:00	9:10	9:27	H8:45	9:03	9:13	9:27	9:33	9:49
8:41	8:55	9:00	9:14	9:24	E9:42	9:00	9:18	9:28	9:42	D9:47	—
—	9:09	9:15	9:29	9:39	9:57	H9:15	9:33	9:43	9:57	10:03	10:19
9:11	9:25	9:30	9:44	9:54	E10:12	9:30	9:48	9:58	10:12	D10:17	—
—	9:39	9:45	9:59	10:09	10:27	H9:45	10:03	10:13	10:27	10:33	10:49
9:41	9:55	10:00	10:14	10:24	E10:42	10:00	10:18	10:28	10:42	D10:47	—
—	10:09	10:15	10:29	10:39	10:57	H10:15	10:33	10:43	10:57	11:03	11:19
10:09	10:24	10:29	10:44	10:54	E11:13	10:30	10:48	10:58	11:12	D11:17	—
—	10:38	10:44	10:59	11:09	11:28	H10:45	11:03	11:13	11:27	11:33	11:50
10:39	10:54	10:59	11:14	11:24	E11:43	11:00	11:18	11:28	11:42	D11:47	—
—	11:08	11:14	11:29	11:39	11:58	H11:15	11:33	11:43	11:57	12:03P	12:21P
11:08	11:24	11:29	11:44	11:54	E12:13P	11:29	11:48	11:58	12:12P	D12:17	—
—	11:38	11:44	11:59	12:09P	12:28	H11:44	12:03P	12:14P	12:28	12:34	12:52
11:38	11:54	11:59	12:14P	12:24	E12:42	11:58	12:18	12:29	12:43	D12:48	—
—	12:08P	12:14P	12:29	12:39	12:57	H12:13P	12:33	12:44	12:58	1:04	1:22
12:07P	12:24	12:29	12:44	12:54	E1:12	12:28	12:48	12:59	1:13	D1:18	—
—	12:38	12:44	12:59	1:09	1:27	H12:43	1:03	1:14	1:28	1:34	1:52
12:36	12:53	12:58	1:14	1:24	E1:42	12:58	1:18	1:29	1:43	D1:48	—
—	1:07	1:13	1:29	1:39	1:57	H1:13	1:33	1:44	1:58	2:04	2:22
1:04	1:22	1:28	1:44	1:54	E2:12	1:28	1:48	1:59	2:14	D2:19	—
—	1:37	1:43	1:59	2:09	2:27	H1:43	2:03	2:14	2:29	2:35	2:53
1:34	1:52	1:58	2:14	2:24	E2:42	1:58	2:18	2:29	2:44	D2:49	—
—	2:06	2:13	2:29	2:39	2:57	H2:13	2:33	2:44	2:59	3:05	3:23
2:00	2:20	2:27	2:44	2:54	E3:12	2:27	2:47	2:58	3:13	D3:18	—
—	2:34	2:41	2:58	3:09	3:27	H2:40	3:00	3:11	3:26	3:32	3:50
2:25	2:46	2:53	3:11	3:22	E3:41	2:51	3:12	3:23	3:38	D3:43	—
—	O2:59	3:06	3:24	3:35	E3:54	H3:02	3:23	3:34	3:49	3:55	4:12
—	3:04	3:11	3:29	3:40	3:59	3:13	3:34	3:46	4:01	4:07	4:24
2:56	3:18	3:25	3:43	3:54	E4:13	3:24	3:45	3:57	4:12	D4:17	—
—	3:32	3:39	3:57	4:08	4:27	H3:39	4:00	4:12	4:27	4:33	4:49
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—	4:00	4:07	4:25	4:35	4:54	H4:05	4:28	4:40	4:55	5:01	5:17
—	L4:02	4:09	4:27	4:37	E4:56	4:19	4:42	4:54	5:09	D5:14	—
3:52	4:16	4:23	4:41	4:51	E5:11	H4:33	4:56	5:08	5:23	5:29	5:45
—	4:30	4:37	4:55	5:05	5:25	4:47	5:10	5:22	5:37	D5:42	—
4:17	4:41	4:48	5:06	5:16	E5:35	4:59	5:22	5:34	5:49	5:55	6:10
4:29	4:53	5:00	5:17	5:27	E5:44	H5:11	5:34	5:45	6:00	6:05	6:20
—	5:04	5:11	5:28	5:38	5:55	5:25	5:46	5:57	6:11	6:16	—
4:51	5:15	5:22	5:39	5:49	E6:06	H5:40	6:01	6:12	6:26	6:31	6:46
5:04	5:28	5:34	5:51	6:01	E6:18	5:55	6:16	6:27	6:40	D6:45	—
—	5:41	5:47	6:04	6:14	6:31	H6:21	6:40	6:50	7:03	7:08	7:23
5:32	5:56	6:02	6:19	6:29	E6:46	6:40	6:58	7:08	7:21	7:26	—
—	6:15	6:21	6:38	6:47	7:04	H7:01	7:18	7:28	7:40	7:44	7:58
6:13	6:36	6:42	6:59	7:08	E7:23	7:20	7:37	7:46	7:58	8:02	—
7:03	7:21	7:26	7:40	7:48	E8:03	H7:43	8:00	8:08	8:20	8:24	8:38
7:44	8:01	8:06	8:20	8:28	8:39	8:11	8:26	8:34	8:46	8:50	9:04
8:18	8:34	8:39	8:51	G8:58	9:17	H8:40	8:52	9:00	9:12	9:16	9:29
9:24	9:36	9:40	9:52	G9:58	10:17	G8:58	9:20	9:28	9:40	9:44	9:57
10:25	10:37	10:41	10:52	G10:58	11:17	G10:00	10:20	10:27	10:38	10:42	10:55
11:30	11:40	11:43	11:52	N12:06A	—	G11:00	11:20	11:26	11:36	11:40	11:52
12:30A	12:40A	12:43A	12:52A	12:58	E1:08A	—	M12:12A	12:32A	12:42A	12:46A	12:58A

Saturday, Sunday and Holiday Schedule

10

Eastbound *Al Este* (Approximate Times / *Tiempos Aproximados*)

Westbound *Al Oeste* (Approximate Times / *Tiempos Aproximados*)

WEST HOLLYWOOD	LOS ANGELES			DOWNTOWN LOS ANGELES		DOWNTOWN LOS ANGELES		LOS ANGELES			WEST HOLLYWOOD
1	3	5	6	7	8	8	7	6	5	4	2
San Vicente & Melrose	Melrose & Arden	Melrose & Western	Temple & Rampart	Temple & Figueroa	Main & Venice B	Main & Venice C	Temple & Figueroa	Temple & Rampart	Melrose & Western	Melrose & Vine	Santa Monica & San Vicente
4:00A	4:10A	4:13A	4:22A	4:28A	E4:38A	H5:13A	5:25A	5:31A	5:41A	5:45A	5:57A
4:48	4:58	5:01	5:10	5:16	5:26	5:48	6:00	6:06	6:16	6:20	6:32
5:22	5:32	5:35	5:44	5:50	6:01	6:23	6:35	6:42	6:52	6:56	7:09
5:51	6:02	6:06	6:17	6:25	6:37	6:52	7:05	7:12	7:23	7:27	7:41
6:22	6:33	6:37	6:49	6:57	E7:11	7:19	7:33	7:41	7:53	7:57	8:11
6:51	7:02	7:06	7:18	7:26	7:40	H7:48	8:02	8:11	8:24	8:29	8:43
—	7:30	7:34	7:46	7:54	E8:09	8:17	8:32	8:41	8:54	D8:59	—
7:46	7:57	8:01	8:13	8:21	8:36	H8:42	8:57	9:07	9:21	9:26	9:40
8:08	8:20	8:24	8:37	8:46	E9:01	9:06	9:22	9:32	9:46	D9:51	—
8:29	8:42	8:47	9:00	9:10	9:25	H9:27	9:43	9:53	10:08	10:13	10:28
8:46	8:59	9:04	9:18	9:28	E9:43	9:46	10:02	10:12	10:27	D10:32	—
9:04	9:17	9:22	9:36	9:46	10:01	H10:05	10:22	10:32	10:47	10:52	11:07
—	9:34	9:40	9:54	10:04	E10:21	10:25	10:42	10:52	11:07	D11:12	—
9:42	9:55	10:00	10:14	10:24	10:41	H10:45	11:02	11:12	11:28	11:34	11:49
—	10:14	10:20	10:34	10:44	E11:01	11:05	11:22	11:32	11:48	D11:53	—
10:20	10:34	10:39	10:54	11:04	11:21	H11:25	11:42	11:52	12:08P	12:14P	12:31P
—	10:53	10:59	11:14	11:24	E11:42	11:45	12:02P	12:12P	12:28	D12:33	—
10:57	11:13	11:19	11:34	11:44	12:02P	H12:04P	12:22	12:32	12:48	12:54	1:12
—	11:32	11:38	11:54	12:04P	E12:22	12:24	12:42	12:52	1:08	D1:13	—
11:35	11:52	11:58	12:14P	12:24	12:42	H12:44	1:02	1:12	1:27	1:33	1:51
—	12:12P	12:18P	12:34	12:44	E1:02	1:04	1:22	1:32	1:47	D1:52	—
12:15P	12:32	12:38	12:54	1:04	1:22	H1:24	1:42	1:52	2:07	2:12	2:31
—	12:52	12:58	1:14	1:24	E1:42	1:44	2:02	2:12	2:27	D2:32	—
12:56	1:13	1:19	1:35	1:44	2:02	H2:04	2:22	2:32	2:47	2:52	3:10
—	1:33	1:39	1:55	2:04	E2:22	2:24	2:42	2:52	3:07	D3:12	—
1:35	1:53	1:59	2:15	2:24	2:42	H2:44	3:02	3:12	3:27	3:32	3:50
—	2:13	2:19	2:35	2:44	E3:02	3:04	3:22	3:32	3:47	D3:52	—
2:15	2:33	2:39	2:55	3:04	3:22	H3:24	3:42	3:52	4:07	4:12	4:29
—	2:53	2:59	3:15	3:24	E3:41	3:44	4:02	4:13	4:28	4:33	—
2:55	3:13	3:19	3:35	3:44	4:01	H4:04	4:22	4:33	4:48	4:53	5:09
—	3:31	3:37	3:53	4:02	E4:19	4:28	4:46	4:57	5:12	5:17	5:33
3:33	3:51	3:57	4:13	4:22	4:39	H4:52	5:10	5:21	5:36	5:41	5:57
—	4:16	4:22	4:38	4:47	5:04	5:19	5:37	5:48	6:03	6:08	6:23
4:30	4:48	4:54	5:10	5:19	5:35	5:46	6:04	6:15	6:30	6:35	6:50
5:04	5:22	5:28	5:44	5:53	6:08	6:14	6:32	6:43	6:58	7:03	7:18
5:39	5:57	6:03	6:19	6:28	6:43	6:42	6:58	7:08	7:22	7:27	7:42
6:18	6:35	6:41	6:56	7:05	7:20	7:07	7:23	7:33	7:46	7:50	8:05
6:55	7:11	7:16	7:31	7:38	7:51	7:49	8:02	8:11	8:24	8:28	8:42
7:38	7:53	7:57	8:11	8:18	8:30	8:29	8:41	8:49	9:01	9:05	9:18
8:19	8:33	8:37	8:51	G8:58	9:17	G8:58	9:20	9:28	9:40	9:44	9:57
9:23	9:35	9:39	9:52	G9:58	10:17	G10:00	10:20	10:27	10:38	10:42	10:55
10:25	10:37	10:41	10:52	G10:58	11:17	G11:00	11:20	11:26	11:36	11:40	11:52
11:30	11:40	11:43	11:52	N12:06A	—	—	M12:12A	12:32A	12:42A	12:46A	12:58A
12:30A	12:40A	12:43A	12:52A	12:58	E1:08A						

Tap with pride.

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metro.net
323.GO.METRO

Travel Info
511

Wheelchair Hotline
800.621.7828

California Relay Service
711

Effective Jun 25 2023 Revised

Metro Local

10

Eastbound to Downtown Los Angeles
Westbound to West Hollywood
via Temple St & Melrose Av

Saturday, Sunday & Holiday Schedules

Saturday, Sunday & Holiday schedule in effect on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

Horarios de sábado, domingo y días feriados en vigor para New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

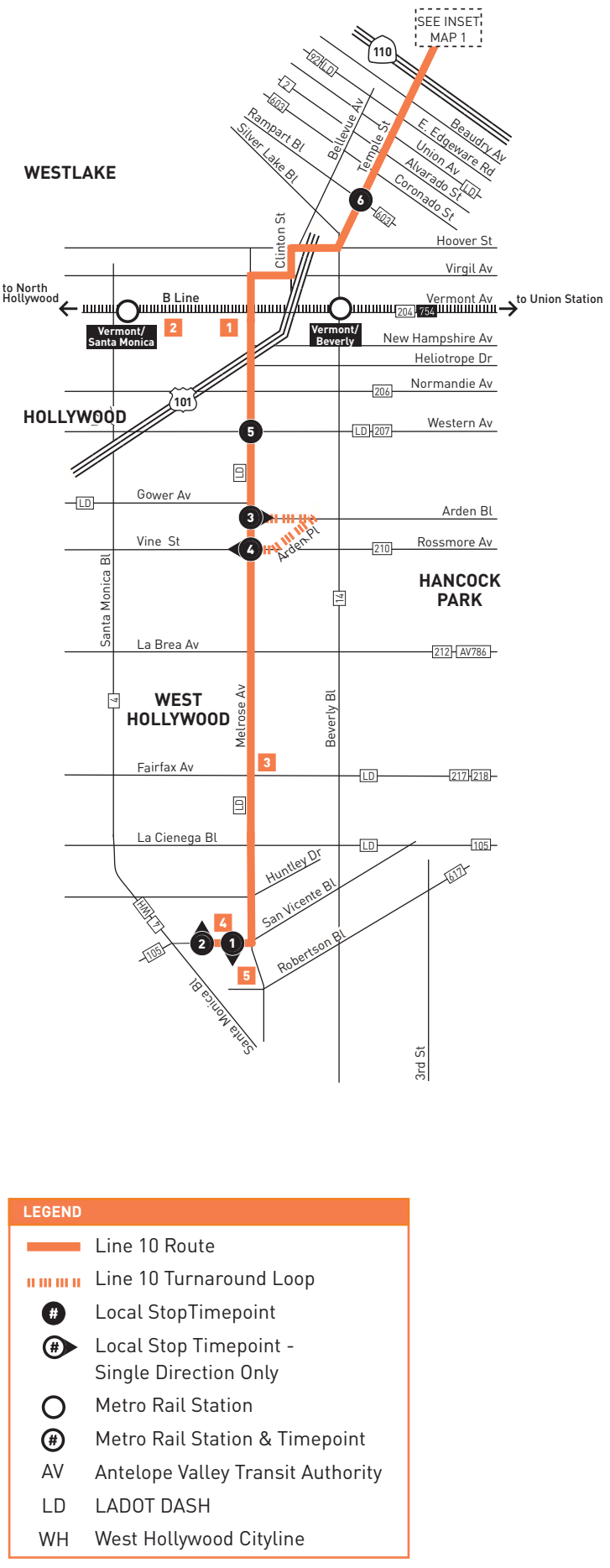
Special Notes

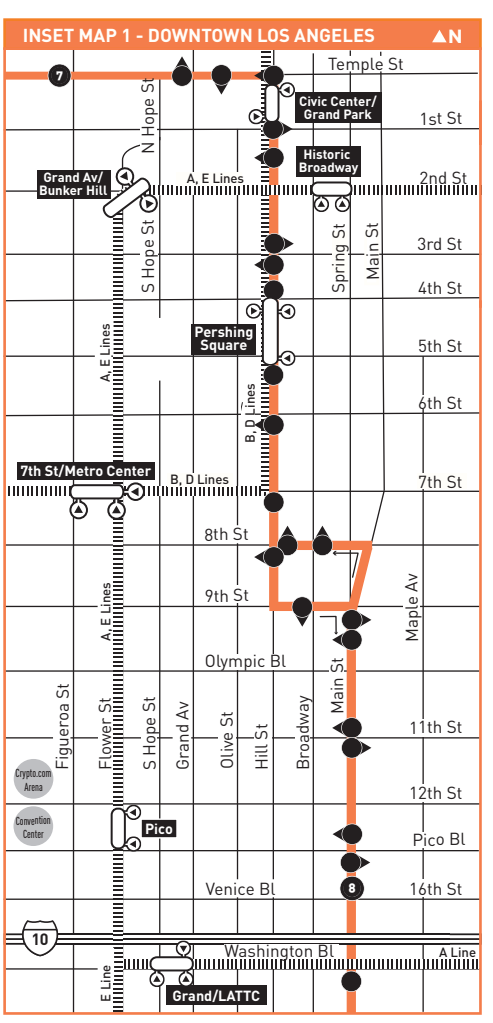
- **B** Continues as Line 48 via Main, Maple, and San Pedro unless otherwise noted.
- **C** Originates from Line 48 via Main, Maple, and San Pedro unless otherwise noted.
- **D** Terminates at Melrose & Arden at time shown.
- **E** Terminates at Main & Venice at time shown. Does not continue as Line 48.
- **G** Waits at Hill and 7th for transfer connections.
- **H** Originates from Main & Venice at time shown.
- **L** Trip starts at Melrose & Fairfax 11 minutes before time shown and operates on School Days only. Phone Metro Information for exact days of operation.
- **M** Trips starts at Hill & 7th at time shown.
- **N** Terminates at Hill & 7th at time shown.
- **O** Operation on early dismissal school days. Trip starts at Melrose and Fairfax 13 minutes before time shown at Melrose and Arden. Phone Metro Information for exact days of operation.

Avisos especiales

- **B** *Continúa como Línea 48 vía Main, Maple, y San Pedro a menos que se notifique lo contrario.*
- **C** *Comienza de Linea 48 via Main, Maple y San Pedro a menos que diga de otro modo.*
- **D** *Termina en Melrose y Arden a la hora mostrada.*
- **E** *Termina en Main y Venice a la hora mostrada. No continua como Linea 48.*
- **G** *Espera en la Hill y 7th para las conexiones de transferencia.*
- **H** *Comienza en Main y Venice a la hora mostrada.*
- **L** *Viaje comienzan en Melrose y Fairfax 11 minutos antes de la hora mostrada y opera los dias de escuela solamente. Llame a Metro por información sobre los días exactos de operación.*
- **M** *Viaje comienzan en Hill y 7th a la hora mostrada.*
- **N** *Termina en Hill y 7th a la hora mostrada.*
- **O** *Operación en días de escuela de despido temprano. El viaje comienza en Melrose y Fairfax 13 minutos antes de la hora que se muestra en Melrose y Arden. Llame a Metro por información sobre los días exactos de operación.*

ROUTE MAP





INSET 1 – DOWNTOWN LOS ANGELES

- Line 10 Route
- Local Stop
- Local Stop - Single Direction Only
- Metro Rail Station
- Metro Rail Station Entrance
- Metro Rail

LEGEND

- Line 10 Route
- Line 10 Turnaround Loop
- # Local StopTimepoint
- # Local Stop Timepoint - Single Direction Only
- Metro Rail Station
- # Metro Rail Station & Timepoint
- AV Antelope Valley Transit Authority
- LD LADOT DASH
- WH West Hollywood Cityline

MAP NOTES

1. **Braille Institute**
2. **LA City College**
3. **Fairfax High School**
4. **Pacific Design Center**
5. **West Hollywood Library**

Lose something?

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Visit *metro.net/lostandfound* or call 323.937.8920.

Connect to Metro Security 24/7.

Call: 888.950.7233
Text: 213.788.2777
App: LA Metro Transit Watch

Call 911 for emergencies.

Need information?

Transit Information:	323.466.3876
Customer Relations:	213.922.6235
In an Emergency:	1.888.950.7233 or 911

And for all you need to know, visit *metro.net*.

150905

Monday through Friday

Effective Jun 25 2023 Revised

48

Northbound *Al Norte* (Approximate Times/*Tiempos Aproximados*)

LOS ANGELES			DOWNTOWN LOS ANGELES	
1	2	3	4	5
Avalon Station	San Pedro & Manchester	Main & Vernon	Main & Venice B	Temple & Figueroa
5:11A	5:19A	5:33A	5:45A	5:57A
5:32	5:41	5:56	6:09	6:24
6:04	6:13	6:28	6:43	6:59
6:22	6:31	6:48	7:04	7:21
6:42	6:52	7:11	7:29	7:47
7:08	7:18	7:38	7:56	8:14
7:34	7:44	8:04	8:21	8:39
7:47	7:57	8:16	8:33	8:51
8:18	8:28	8:45	9:00	9:18
8:48	8:58	9:15	9:30	9:48
9:19	9:28	9:45	10:00	10:18
9:49	9:58	10:15	10:30	10:48
10:19	10:28	10:45	11:00	11:18
10:48	10:57	11:14	11:29	11:48
11:16	11:25	11:43	11:58	12:18P
11:46	11:55	12:13P	12:28P	12:48
12:16P	12:25P	12:43	12:58	1:18
12:45	12:55	1:13	1:28	1:48
1:15	1:25	1:43	1:58	2:18
1:44	1:54	2:12	2:27	2:47
2:08	2:18	2:36	2:51	3:12
2:29	2:39	2:57	3:13	3:34
2:40	2:50	3:08	3:24	3:45
3:07	3:17	3:36	3:52	4:14
3:35	3:45	4:04	4:19	4:42
4:03	4:13	4:32	4:47	5:10
4:16	4:26	4:44	4:59	5:22
4:42	4:52	5:10	5:25	5:46
5:13	5:23	5:41	5:55	6:16
5:59	6:09	6:26	6:40	6:58
6:39	6:49	7:06	7:20	7:37
7:34	7:43	7:59	8:11	8:26
8:22	8:31	8:46	D8:58	9:20
—	9:37	9:50	D10:00	10:20
10:30	10:38	10:50	D11:00	11:20

Southbound *Al Sur* (Approximate Times/*Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		LOS ANGELES		
5	4	3	2	1
Temple & Figueroa C	Main & Venice	Main & Vernon	San Pedro & Manchester	Avalon Station
5:18A	5:28A	5:39A	5:52A	6:02A
5:40	5:53	6:05	6:19	6:30
6:24	6:38	6:52	7:07	7:19
7:05	7:20	7:34	7:50	8:02
7:36	7:51	8:06	8:22	8:34
7:47	8:02	8:17	8:33	8:44
8:13	8:30	8:44	9:00	9:11
8:41	8:58	9:12	9:28	9:39
9:10	9:27	9:41	9:57	10:08
9:39	9:57	10:11	10:27	10:38
10:09	10:27	10:41	10:57	11:08
10:39	10:57	11:11	11:28	11:39
11:09	11:28	11:43	11:59	12:11P
11:39	11:58	12:13P	12:30P	12:41
12:09P	12:28P	12:43	1:00	1:11
12:39	12:57	1:13	1:30	1:41
1:09	1:27	1:43	2:00	2:12
1:39	1:57	2:13	2:32	2:44
2:09	2:27	2:43	3:02	3:14
2:39	2:57	3:14	3:35	3:47
3:09	3:27	3:44	4:05	4:17
3:40	3:59	4:16	4:37	4:49
4:08	4:27	4:44	5:05	5:17
4:35	4:54	5:12	5:33	5:45
5:05	5:25	5:43	6:03	6:15
5:38	5:55	6:12	6:31	6:42
6:14	6:31	6:47	7:06	7:17
6:47	7:04	7:19	7:37	7:48
8:28	8:39	8:51	9:05	—
D8:58	9:17	9:28	9:43	9:53
D9:58	10:17	10:28	10:43	—
D10:58	11:17	11:28	11:40	—

Saturday, Sunday and Holiday Schedule

48

Northbound *Al Norte* (Approximate Times/*Tiempos Aproximados*)

LOS ANGELES			DOWNTOWN LOS ANGELES	
1	2	3	4	5
Avalon Station	San Pedro & Manchester	Main & Vernon	Main & Venice B	Temple & Figueroa
5:18A	5:26A	5:38A	5:48A	6:00A
—	6:01	6:13	6:23	6:35
6:18	6:27	6:40	6:52	7:05
6:43	6:52	7:06	7:19	7:33
7:39	7:48	8:04	8:17	8:32
8:28	8:37	8:53	9:06	9:22
9:04	9:14	9:32	9:46	10:02
9:43	9:53	10:11	10:25	10:42
10:23	10:33	10:51	11:05	11:22
11:02	11:12	11:31	11:45	12:02P
11:41	11:51	12:10P	12:24P	12:42
12:21P	12:31P	12:50	1:04	1:22
1:02	1:12	1:30	1:44	2:02
1:43	1:53	2:10	2:24	2:42
2:23	2:33	2:50	3:04	3:22
3:03	3:13	3:30	3:44	4:02
3:47	3:57	4:14	4:28	4:46
4:39	4:49	5:06	5:19	5:37
5:07	5:16	5:33	5:46	6:04
5:35	5:44	6:01	6:14	6:32
6:05	6:14	6:30	6:42	6:58
6:31	6:40	6:55	7:07	7:23
7:14	7:23	7:37	7:49	8:02
7:55	8:04	8:17	8:29	8:41
8:25	8:34	8:47	D8:58	9:20
—	9:37	9:50	D10:00	10:20
10:30	10:38	10:50	D11:00	11:20

Southbound *Al Sur* (Approximate Times/*Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		LOS ANGELES		
5	4	3	2	1
Temple & Figueroa C	Main & Venice	Main & Vernon	San Pedro & Manchester	Avalon Station
5:16A	5:26A	5:36A	5:48A	5:58A
5:50	6:01	6:12	6:24	6:34
6:25	6:37	6:49	7:02	7:12
7:26	7:40	7:52	8:06	8:16
8:21	8:36	8:49	9:05	9:15
9:10	9:25	9:38	9:56	10:06
9:46	10:01	10:14	10:32	10:42
10:24	10:41	10:55	11:13	11:24
11:04	11:21	11:35	11:53	12:04P
11:44	12:02P	12:17P	12:35P	12:46
12:24P	12:42	12:57	1:15	1:26
1:04	1:22	1:36	1:54	2:05
1:44	2:02	2:16	2:34	2:45
2:24	2:42	2:56	3:14	3:25
3:04	3:22	3:36	3:54	4:05
3:44	4:01	4:15	4:32	4:43
4:22	4:39	4:53	5:09	5:20
4:47	5:04	5:18	5:34	5:45
5:19	5:35	5:49	6:05	6:16
5:53	6:08	6:22	6:38	6:48
6:28	6:43	6:57	7:13	7:23
7:05	7:20	7:33	7:49	7:59
7:38	7:51	8:03	8:18	8:28
8:18	8:30	8:42	8:57	—
D8:58	9:17	9:28	9:43	9:53
D9:58	10:17	10:28	10:43	—
D10:58	11:17	11:28	11:40	—

Tap with pride.

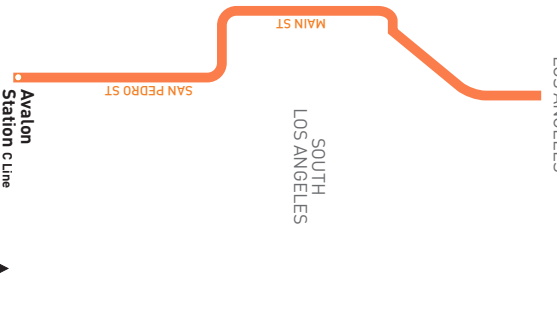
Don't forget to tap the validator with valid fare on your card before boarding. To learn more about fares and ways to save, visit *metro.net/fares*.

Effective Jun 25 2023 Revised

48

Metro Local

Northbound to Downtown Los Angeles
Southbound to Avalon Station
via Main St & South San Pedro St



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Wheelchair Hotline
800.621.7828

Travel Info
511

California Relay Service
711

Metro

Subject to change without notice
Sujeto a cambios sin previo aviso

Saturday, Sunday and Holiday Schedules

Saturday, Sunday & Holiday schedule in effect on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de sábado, domingo y días feriados

Horarios de sábado, domingo y días feriados en vigor para New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

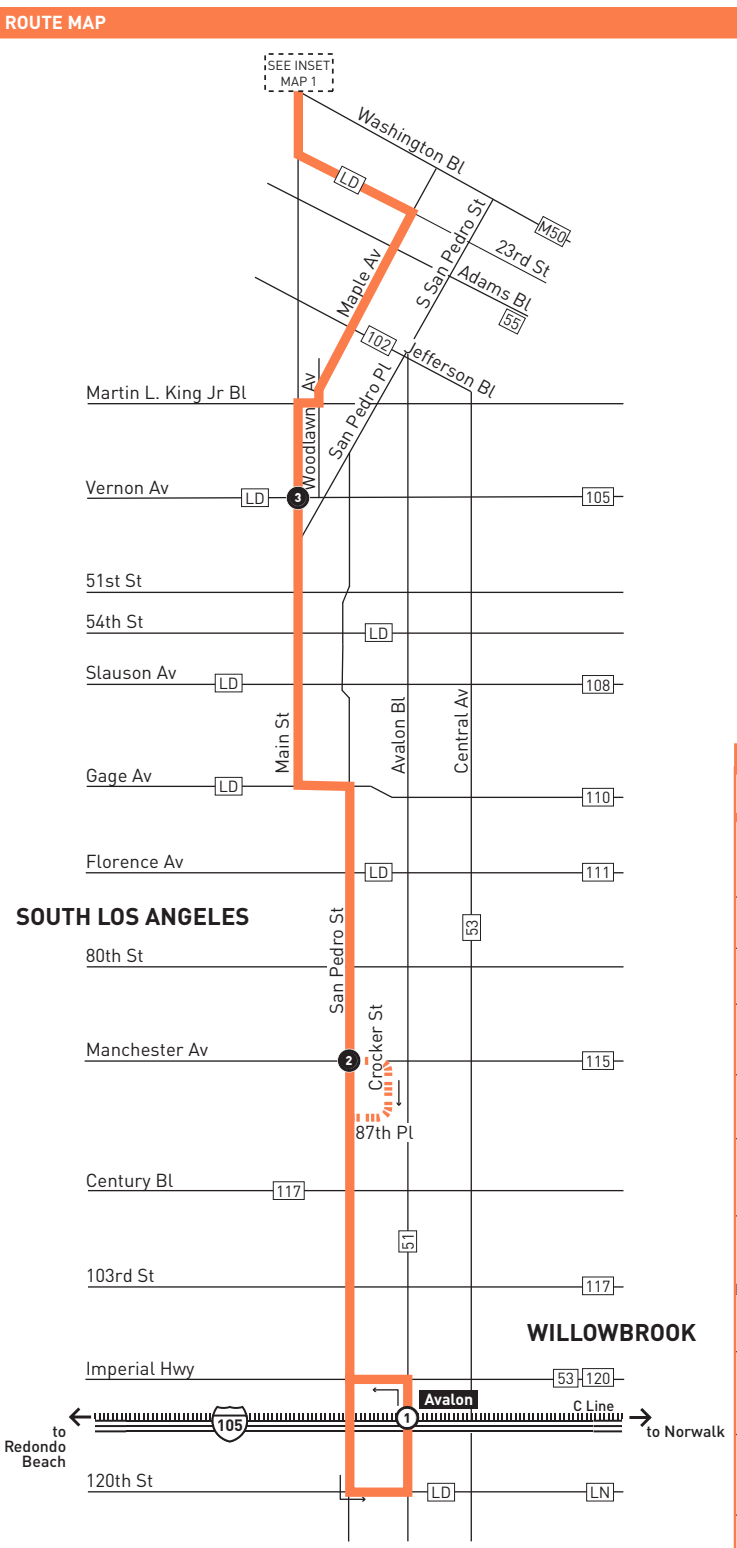
Special Notes

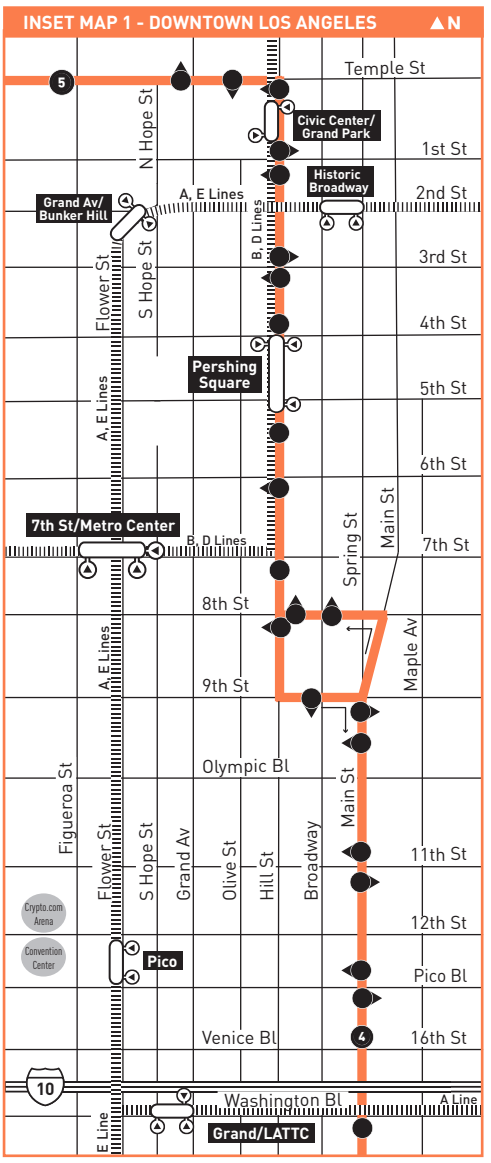
- **B** Continues as Line 10 via Temple and Melrose. For details of this service, obtain timetable for Line 10.
- **C** Originates from Line 10 via Melrose and Temple. For details of this service, obtain timetable for Line 10.
- **D** Waits at Hill & 7th for transfer connections.

Avisos especiales

- **B** *Continúa como Línea 10 via Temple y Melrose. Para detalles de este servicio, obtenga el horario de la Línea 10.*
- **C** *Se origina de la Línea 10 via Melrose y Temple. Para detalles de este servicio, obtenga el horario de la Línea 10.*
- **D** *Espera en Hill y 7th por las conexiones de transferencia.*

ROUTE MAP





LEGEND

- Line 48 Route
- Shortline Turnaround Loop
- # Local Stop Timepoint
- # Local Stop Timepoint - Single Direction Only
- Local Stop
- Local Stop - Single Direction Only
- Metro Rail Station
- # Metro Rail Station & Timepoint
- M Montebello Bus Lines
- LD LADOT DASH
- LN The Link

INSET 1 – DOWNTOWN LOS ANGELES

- Line 48 Route
- Metro Rail Station
- Metro Rail Station Entrance
- Metro Rail

Lose something?

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Visit *metro.net/lostandfound* or call 323.937.8920.

150920

Monday through Friday

Effective Jun 25 2023

55

Northbound *Al Norte* (Approximate Times)

WILLOWBROOK	WATTS	LOS ANGELES		DOWNTOWN LOS ANGELES	
8	7	6	5	4	1
Willowbrook/ Rosa Parks Station	Compton & 103rd	Compton & Slauson	Adams & San Pedro	Grand & Washington	Sunset & Figueroa
4:51A	5:00A	5:15A	5:29A	5:34A	5:50A
5:10	5:19	5:34	5:48	5:53	6:09
5:27	5:36	5:51	6:06	6:12	6:29
5:38	5:47	6:02	6:18	6:24	6:42
5:49	5:58	6:13	6:29	6:36	6:54
6:00	6:09	6:24	6:40	6:47	7:05
6:11	6:20	6:35	6:51	6:58	7:16
6:21	6:30	6:46	7:02	7:09	7:27
6:31	6:40	6:56	7:14	7:21	7:39
6:42	6:51	7:07	7:25	7:32	7:50
6:53	7:02	7:18	7:36	7:43	8:01
7:02	7:12	7:28	7:47	7:54	8:13
7:12	7:22	7:39	7:58	8:05	8:24
7:24	7:35	7:52	8:10	8:17	8:36
7:36	7:47	8:04	8:22	8:29	8:48
7:49	8:00	8:17	8:35	8:42	9:01
8:03	8:14	8:31	8:48	8:55	9:14
8:15	8:26	8:44	9:01	9:08	9:27
8:30	8:41	8:59	9:16	9:23	9:42
8:45	8:56	9:14	9:31	9:38	9:57
9:00	9:11	9:29	9:46	9:53	10:13
9:15	9:26	9:44	10:01	10:08	10:28
9:30	9:41	9:59	10:16	10:23	10:43
9:45	9:56	10:15	10:32	10:39	10:59
10:00	10:11	10:30	10:47	10:54	11:14
10:16	10:27	10:46	11:03	11:10	11:30
10:31	10:42	11:01	11:18	11:25	11:45
10:46	10:57	11:16	11:33	11:40	12:00P
11:01	11:12	11:31	11:48	11:55	12:16
11:16	11:27	11:46	12:03P	12:10P	12:31
11:30	11:41	12:00P	12:18	12:25	12:46
11:45	11:56	12:15	12:33	12:40	1:01
12:00P	12:12P	12:31	12:49	12:56	1:17
12:15	12:27	12:46	1:04	1:11	1:32
12:30	12:42	1:01	1:19	1:26	1:47
12:45	12:57	1:16	1:34	1:41	2:02
1:00	1:12	1:31	1:49	1:56	2:17
1:15	1:27	1:46	2:04	2:11	2:32
1:30	1:42	2:01	2:19	2:26	2:47
1:45	1:57	2:16	2:34	2:41	3:02
2:00	2:12	2:31	2:50	2:57	3:18
2:15	2:27	2:46	3:05	3:12	3:33
2:30	2:42	3:01	3:20	3:27	3:48
2:45	2:57	3:16	3:35	3:42	4:03
3:00	3:12	3:31	3:50	3:57	4:18
3:12	3:24	3:43	4:02	4:09	4:30
3:25	3:37	3:56	4:15	4:22	4:43
3:37	3:49	4:08	4:27	4:34	4:55
3:49	4:01	4:20	4:39	4:46	5:07
4:01	4:13	4:32	4:51	4:58	5:19
4:13	4:25	4:44	5:03	5:10	5:31
4:25	4:37	4:56	5:15	5:22	5:43
4:37	4:49	5:08	5:27	5:34	5:55
4:49	5:01	5:20	5:39	5:46	6:07
5:01	5:13	5:32	5:51	5:58	6:19
5:13	5:25	5:44	6:03	6:10	6:31
5:28	5:39	5:58	6:15	6:21	6:42
5:43	5:54	6:12	6:27	6:33	6:54
5:55	6:06	6:24	6:39	6:45	7:06
6:11	6:21	6:39	6:54	7:00	7:20
6:31	6:41	6:59	7:13	7:18	7:37
6:52	7:02	7:19	7:33	7:38	7:56
7:15	7:25	7:42	7:56	8:01	8:18
8:15	8:25	8:40	8:53	A8:58	—

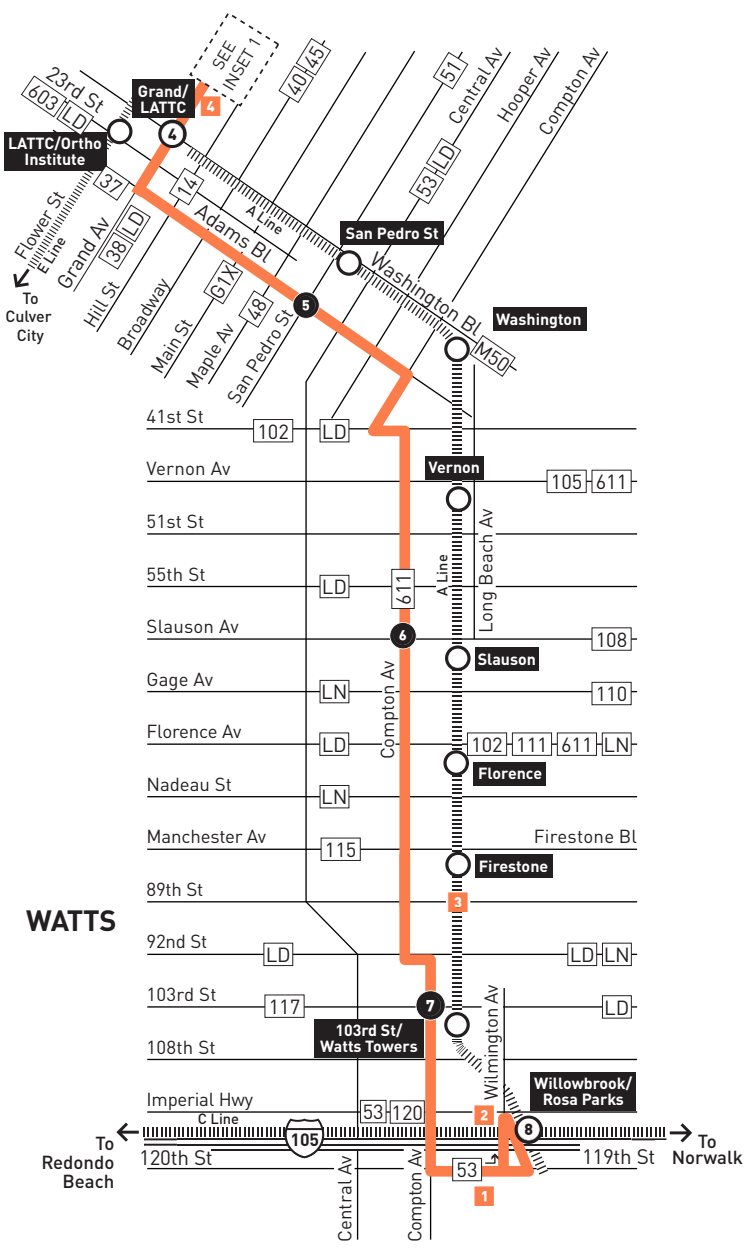
See Late Night/Owl Service schedule for additional service

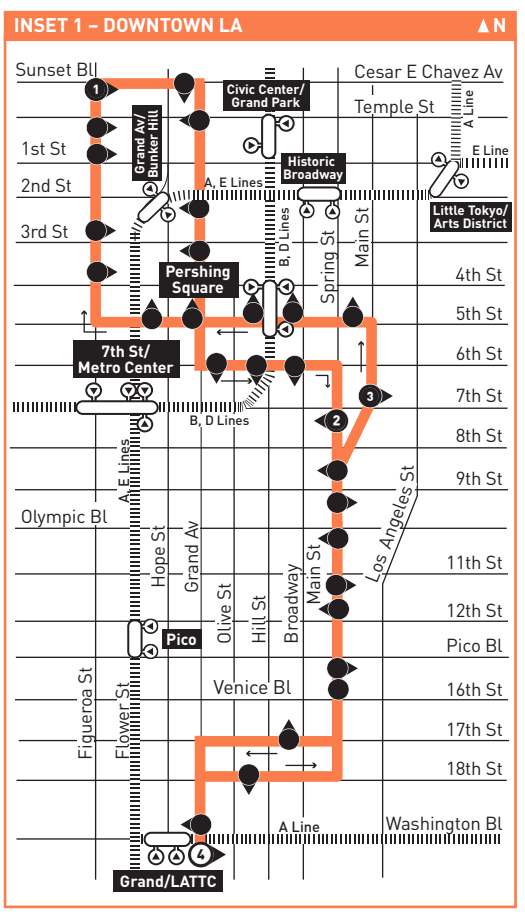
Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES			LOS ANGELES		WATTS	WILLOWBROOK
1	2	4	5	6	7	8
Sunset & Figueroa	Spring & 7th	Grand & Washington	Adams & San Pedro	Compton & Slauson	Compton & 103rd	Willowbrook/ Rosa Parks Station
—	5:09A	5:17A	5:23A	5:35A	5:49A	5:57A
5:30A	5:40	5:48	5:54	6:08	6:22	6:31
5:50	6:00	6:09	6:16	6:30	6:44	6:53
6:10	6:20	6:29	6:36	6:50	7:04	7:13
6:25	6:35	6:44	6:51	7:05	7:19	7:28
6:40	6:50	6:59	7:06	7:20	7:34	7:44
6:55	7:05	7:14	7:21	7:35	7:50	8:00
7:09	7:19	7:28	7:36	7:51	8:06	8:16
7:24	7:34	7:43	7:51	8:06	8:22	8:32
7:35	7:46	7:55	8:03	8:18	8:34	8:44
7:47	7:58	8:07	8:15	8:30	8:47	8:57
8:01	8:12	8:22	8:30	8:45	9:02	9:12
8:17	8:28	8:38	8:45	9:00	9:17	9:27
8:32	8:43	8:53	9:00	9:15	9:32	9:43
8:47	8:58	9:08	9:15	9:30	9:48	9:59
9:02	9:13	9:23	9:30	9:45	10:03	10:15
9:16	9:27	9:38	9:45	10:00	10:18	10:30
9:30	9:42	9:53	10:00	10:16	10:34	10:46
9:44	9:56	10:07	10:15	10:31	10:49	11:01
9:59	10:11	10:22	10:30	10:46	11:04	11:16
10:14	10:26	10:37	10:45	11:01	11:19	11:31
10:29	10:41	10:52	11:00	11:16	11:34	11:46
10:44	10:56	11:07	11:15	11:31	11:49	12:01P
10:59	11:11	11:22	11:30	11:46	12:04P	12:16
11:14	11:26	11:37	11:45	12:01P	12:19	12:31
11:29	11:41	11:52	12:00P	12:16	12:34	12:46
11:44	11:56	12:07P	12:15	12:31	12:51	1:03
11:59	12:11P	12:22	12:30	12:46	1:06	1:18
12:14P	12:26	12:37	12:45	1:01	1:21	1:33
12:29	12:41	12:53	1:01	1:17	1:37	1:49
12:44	12:56	1:08	1:16	1:32	1:52	2:04
12:59	1:11	1:23	1:31	1:47	2:07	2:19
1:14	1:26	1:38	1:46	2:02	2:22	2:34
1:29	1:41	1:53	2:01	2:18	2:38	2:50
1:41	1:53	2:05	2:14	2:31	2:51	3:03
1:53	2:05	2:17	2:26	2:43	3:03	3:15
2:05	2:18	2:30	2:39	2:56	3:16	3:28
2:17	2:30	2:42	2:51	3:08	3:28	3:40
2:29	2:42	2:54	3:03	3:20	3:40	3:52
2:41	2:54	3:06	3:15	3:32	3:52	4:04
2:53	3:06	3:18	3:27	3:44	4:04	4:16
3:05	3:18	3:30	3:39	3:56	4:16	4:28
3:17	3:30	3:42	3:51	4:08	4:28	4:40
3:29	3:42	3:54	4:03	4:20	4:40	4:52
3:41	3:54	4:06	4:15	4:32	4:52	5:04
3:53	4:06	4:18	4:27	4:44	5:04	5:16
4:05	4:18	4:30	4:39	4:56	5:15	5:27
4:17	4:30	4:42	4:51	5:08	5:27	5:39
4:29	4:42	4:54	5:03	5:20	5:39	5:51
4:41	4:54	5:06	5:15	5:32	5:51	6:03
4:54	5:06	5:18	5:27	5:44	6:03	6:15
5:06	5:18	5:30	5:39	5:56	6:15	6:27
5:18	5:30	5:42	5:51	6:08	6:27	6:38
5:30	5:42	5:54	6:03	6:20	6:39	6:50
5:42	5:54	6:06	6:15	6:32	6:51	7:02
5:54	6:06	6:18	6:27	6:42	7:01	7:12
6:09	6:21	6:32	6:39	6:54	7:12	7:23
6:22	6:34	6:44	6:51	7:06	7:23	7:34
6:35	6:47	6:57	7:03	7:17	7:34	7:44
6:48	7:00	7:09	7:15	7:29	7:46	7:56
7:02	7:14	7:23	7:29	7:43	8:00	8:09
7:23	7:35	7:44	7:49	8:03	8:18	8:27
7:50	8:02	8:10	8:15	8:28	8:42	8:51
8:25	8:36	8:44	8:49	9:01	9:15	9:22

See Late Night/Owl Service schedule for additional service

ROUTE MAP





LEGEND

- Line 55 Route
- Local Stop Timepoint
- Local Stop Timepoint - Single Direction Only
- Local Stop
- Local Stop - Single Direction Only
- Metro Rail / Busway Station & Timepoint
- Metro Rail / Busway Station
- Transit Center
- Map Notes
- ### Connecting Line
- GA GTrans
- LD LADOT DASH
- LN County of Los Angeles - The Link
- M Montebello Bus Lines
- T Torrance Transit

INSET 1 - DOWNTOWN LOS ANGELES

- Metro Rail Station
- Metro Rail Station Entrance

MAP NOTES

1. **Martin Luther King Jr. Community Hospital**
   Metro 53, 55, 120, 202, 205; DASH Watts
2. **Willowbrook/Rosa Parks Station**
   A, C Lines; Metro 53, 55, 120, 202, 205; DASH Watts; The Link Willowbrook and King Medical Center Shuttle, Lynwood Breeze Route D; GA5; Rancho Shuttle
3. **Firestone Station**
   A Line; Metro 115; The Link Florence - Firestone/Walnut Park
4. **Grand/LATTC Station**
   A, J Lines; Metro 14, 35, 37, 38, 55, 460, 603; T4X, DASH D, Pico Union/Echo Park, King-East

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Effective Jun 25 2023

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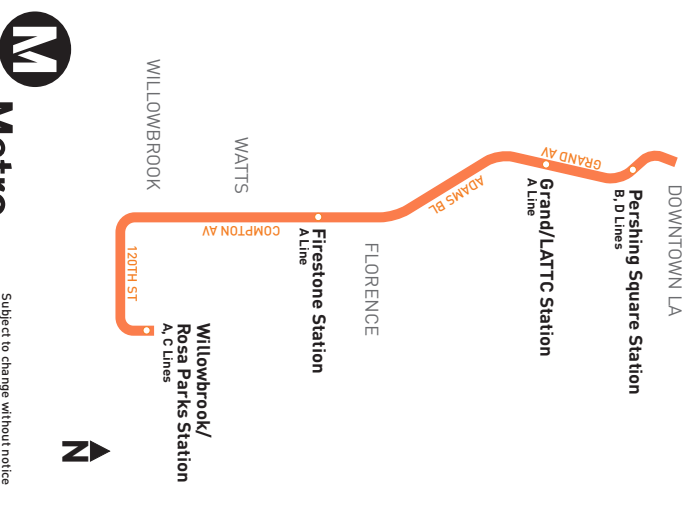
Metro Local

Northbound to Downtown LA
Southbound to Willowbrook/Rosa Park Station
via Compton Av



Metro

Subject to change without notice
Sujeto a cambios sin previo aviso

metro.net 323.GO.METRO
Wheelchair Hotline 800.621.7828
Travel Info 511
California Relay Service 711

Saturday

Effective Jun 25 2023

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Northbound *Al Norte* (Approximate Times)

WILLOWBROOK	WATTS	LOS ANGELES		DOWNTOWN LOS ANGELES	
8	7	6	5	4	1
Willowbrook/ Rosa Parks Station	Compton & 103rd	Compton & Slauson	Adams & San Pedro	Grand & Washington	Sunset & Figueroa
4:55A	5:03A	5:17A	5:29A	5:33A	5:49A
5:39	5:47	6:01	6:14	6:19	6:35
6:12	6:20	6:36	6:49	6:54	7:10
6:43	6:51	7:07	7:21	7:27	7:43
7:13	7:21	7:37	7:51	7:57	8:14
7:40	7:49	8:06	8:21	8:27	8:44
8:08	8:17	8:36	8:51	8:57	9:14
8:38	8:47	9:06	9:21	9:27	9:44
8:59	9:08	9:27	9:42	9:48	10:05
9:19	9:28	9:47	10:02	10:08	10:25
9:39	9:48	10:07	10:22	10:28	10:45
9:58	10:07	10:27	10:42	10:48	11:05
10:18	10:27	10:47	11:02	11:08	11:25
10:38	10:47	11:07	11:22	11:28	11:45
10:58	11:07	11:27	11:42	11:48	12:05P
11:18	11:27	11:47	12:02P	12:08P	12:25
11:38	11:47	12:07P	12:22	12:28	12:45
11:58	12:07P	12:27	12:42	12:48	1:05
12:18P	12:27	12:47	1:02	1:08	1:25
12:38	12:47	1:07	1:22	1:28	1:45
12:58	1:07	1:27	1:42	1:48	2:05
1:18	1:27	1:47	2:02	2:08	2:25
1:38	1:47	2:07	2:22	2:28	2:45
1:58	2:07	2:27	2:42	2:48	3:05
2:18	2:27	2:47	3:02	3:08	3:25
2:38	2:47	3:07	3:22	3:28	3:45
2:58	3:07	3:27	3:42	3:48	4:05
3:18	3:27	3:47	4:02	4:08	4:25
3:38	3:47	4:07	4:22	4:28	4:45
3:58	4:07	4:27	4:42	4:48	5:05
4:18	4:27	4:47	5:02	5:08	5:25
4:38	4:47	5:07	5:22	5:28	5:45
4:59	5:08	5:28	5:42	5:48	6:05
5:19	5:28	5:48	6:02	6:07	6:24
5:39	5:48	6:08	6:22	6:27	6:43
6:00	6:09	6:28	6:42	6:47	7:03
6:22	6:31	6:50	7:04	7:09	7:25
6:48	6:57	7:16	7:29	7:34	7:50
7:28	7:37	7:54	8:06	8:11	8:27
8:16	8:25	8:41	8:53	A8:58	—

See Late Night/Owl Service schedule for additional service

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES			LOS ANGELES		WATTS	WILLOWBROOK
1	2	4	5	6	7	8
Sunset & Figueroa	Spring & 7th	Grand & Washington	Adams & San Pedro	Compton & Slauson	Compton & 103rd	Willowbrook/ Rosa Parks Station
—	5:11A	5:18A	5:23A	5:34A	5:48A	5:55A
6:00A	6:10	6:18	6:23	6:35	6:49	6:58
6:45	6:55	7:03	7:08	7:20	7:35	7:44
7:25	7:35	7:44	7:49	8:02	8:18	8:27
7:55	8:05	8:14	8:19	8:32	8:50	8:59
8:19	8:29	8:38	8:44	8:58	9:16	9:25
8:38	8:49	8:58	9:04	9:18	9:36	9:45
8:58	9:09	9:18	9:24	9:38	9:56	10:05
9:18	9:29	9:38	9:44	9:58	10:17	10:26
9:38	9:49	9:58	10:04	10:18	10:37	10:46
9:57	10:08	10:18	10:24	10:38	10:57	11:06
10:17	10:28	10:38	10:44	10:58	11:18	11:27
10:37	10:48	10:58	11:04	11:18	11:38	11:47
10:56	11:08	11:18	11:24	11:38	11:58	12:07P
11:16	11:28	11:38	11:44	11:58	12:18P	12:27
11:36	11:48	11:58	12:04P	12:18P	12:38	12:47
11:55	12:08P	12:18P	12:24	12:38	12:58	1:07
12:15P	12:28	12:38	12:44	12:58	1:18	1:27
12:35	12:48	12:58	1:04	1:18	1:38	1:47
12:55	1:08	1:18	1:24	1:38	1:58	2:07
1:15	1:28	1:38	1:44	1:58	2:18	2:27
1:35	1:48	1:58	2:04	2:18	2:38	2:47
1:55	2:08	2:18	2:24	2:38	2:58	3:07
2:15	2:28	2:38	2:44	2:58	3:18	3:27
2:35	2:48	2:58	3:04	3:18	3:38	3:47
2:55	3:08	3:18	3:24	3:38	3:58	4:07
3:15	3:28	3:38	3:44	3:58	4:18	4:27
3:35	3:48	3:58	4:04	4:18	4:38	4:47
3:56	4:08	4:18	4:24	4:38	4:58	5:07
4:16	4:28	4:38	4:44	4:58	5:18	5:27
4:36	4:48	4:58	5:04	5:18	5:38	5:47
4:56	5:08	5:18	5:24	5:38	5:58	6:07
5:16	5:28	5:38	5:44	5:58	6:16	6:25
5:37	5:49	5:59	6:04	6:18	6:36	6:45
5:58	6:09	6:19	6:24	6:38	6:56	7:05
6:23	6:34	6:44	6:49	7:03	7:21	7:30
6:55	7:06	7:14	7:19	7:33	7:51	8:00
7:29	7:40	7:48	7:53	8:06	8:21	8:30
8:10	8:20	8:28	8:33	8:44	8:59	9:06

See Late Night/Owl Service schedule for additional service

Sunday & Holiday

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Northbound *Al Norte* (Approximate Times)

WILLOWBROOK	WATTS	LOS ANGELES		DOWNTOWN LOS ANGELES	
8	7	6	5	4	1
Willowbrook/ Rosa Parks Station	Compton & 103rd	Compton & Slauson	Adams & San Pedro	Grand & Washington	Sunset & Figueroa
4:55A	5:03A	5:17A	5:29A	5:33A	5:49A
5:39	5:47	6:01	6:14	6:19	6:35
6:11	6:20	6:36	6:49	6:54	7:10
6:42	6:51	7:07	7:21	7:27	7:43
7:12	7:21	7:37	7:51	7:57	8:13
7:41	7:50	8:07	8:21	8:27	8:44
8:08	8:17	8:36	8:51	8:57	9:14
8:37	8:46	9:06	9:21	9:27	9:44
8:58	9:07	9:27	9:42	9:48	10:05
9:18	9:27	9:47	10:02	10:08	10:25
9:38	9:47	10:07	10:22	10:28	10:45
9:58	10:07	10:27	10:42	10:48	11:05
10:18	10:27	10:47	11:02	11:08	11:25
10:38	10:47	11:07	11:22	11:28	11:45
10:58	11:07	11:27	11:42	11:48	12:05P
11:18	11:27	11:47	12:02P	12:08P	12:25
11:38	11:47	12:07P	12:22	12:28	12:45
11:58	12:07P	12:27	12:42	12:48	1:05
12:18P	12:27	12:47	1:02	1:08	1:25
12:38	12:47	1:07	1:22	1:28	1:45
12:58	1:07	1:27	1:42	1:48	2:05
1:18	1:27	1:47	2:02	2:08	2:25
1:38	1:47	2:07	2:22	2:28	2:45
1:58	2:07	2:27	2:42	2:48	3:05
2:18	2:27	2:47	3:02	3:08	3:25
2:38	2:47	3:07	3:22	3:28	3:45
2:59	3:08	3:28	3:42	3:48	4:05
3:20	3:29	3:48	4:02	4:08	4:25
3:40	3:49	4:08	4:22	4:28	4:45
4:00	4:09	4:28	4:42	4:47	5:04
4:20	4:29	4:48	5:02	5:07	5:24
4:40	4:49	5:08	5:22	5:27	5:44
5:00	5:09	5:28	5:42	5:47	6:04
5:20	5:29	5:48	6:02	6:07	6:24
5:40	5:49	6:08	6:22	6:27	6:43
6:01	6:10	6:28	6:42	6:47	7:03
6:24	6:33	6:50	7:04	7:09	7:25
6:50	6:59	7:16	7:29	7:34	7:50
7:29	7:38	7:54	8:06	8:11	8:27
8:17	8:26	8:41	8:53	A8:58	—

See Late Night/Owl Service schedule for additional service

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES			LOS ANGELES		WATTS	WILLOWBROOK
1	2	4	5	6	7	8
Sunset & Figueroa	Spring & 7th	Grand & Washington	Adams & San Pedro	Compton & Slauson	Compton & 103rd	Willowbrook/ Rosa Parks Station
—	5:11A	5:18A	5:23A	5:34A	5:48A	5:55A
6:00A	6:10	6:18	6:23	6:35	6:49	6:58
6:45	6:55	7:03	7:08	7:20	7:34	7:43
7:25	7:35	7:44	7:49	8:02	8:17	8:26
7:55	8:05	8:14	8:19	8:32	8:49	8:58
8:19	8:29	8:38	8:44	8:58	9:15	9:24
8:38	8:49	8:58	9:04	9:18	9:35	9:44
8:58	9:09	9:18	9:24	9:38	9:55	10:04
9:18	9:29	9:38	9:44	9:58	10:16	10:25
9:38	9:49	9:58	10:04	10:18	10:36	10:45
9:57	10:08	10:18	10:24	10:38	10:56	11:05
10:17	10:28	10:38	10:44	10:58	11:17	11:26
10:37	10:48	10:58	11:04	11:18	11:37	11:46
10:56	11:08	11:18	11:24	11:38	11:57	12:06P
11:16	11:28	11:38	11:44	11:58	12:17P	12:26
11:36	11:48	11:58	12:04P	12:18P	12:37	12:46
11:55	12:08P	12:18P	12:24	12:38	12:57	1:06
12:15P	12:28	12:38	12:44	12:58	1:17	1:26
12:35	12:48	12:58	1:04	1:18	1:37	1:46
12:55	1:08	1:18	1:24	1:38	1:57	2:06
1:15	1:28	1:38	1:44	1:58	2:17	2:26
1:35	1:48	1:58	2:04	2:18	2:37	2:46
1:55	2:08	2:18	2:24	2:38	2:57	3:06
2:15	2:28	2:38	2:44	2:58	3:17	3:26
2:35	2:48	2:58	3:04	3:18	3:37	3:46
2:55	3:08	3:18	3:24	3:38	3:57	4:06
3:15	3:28	3:38	3:44	3:58	4:17	4:26
3:35	3:48	3:58	4:04	4:18	4:37	4:46
3:56	4:08	4:18	4:24	4:38	4:57	5:06
4:16	4:28	4:38	4:44	4:58	5:17	5:26
4:36	4:48	4:58	5:04	5:18	5:37	5:46
4:56	5:08	5:18	5:24	5:38	5:57	6:06
5:16	5:28	5:38	5:44	5:58	6:17	6:26
5:36	5:48	5:58	6:04	6:18	6:36	6:45
5:56	6:08	6:18	6:24	6:38	6:55	7:04
6:22	6:34	6:44	6:49	7:03	7:20	7:29
6:55	7:06	7:14	7:19	7:33	7:49	7:58
7:29	7:40	7:48	7:53	8:06	8:21	8:30
8:10	8:20	8:28	8:33	8:44	8:59	9:06

See Late Night/Owl Service schedule for additional service

Daily, Saturday & Sunday Late Night/Owl Service

55

Northbound *Al Norte* (Approximate Times)

WILLOWBROOK	WATTS	LOS ANGELES		DOWNTOWN LOS ANGELES	
8	7	6	5	4	3
Willowbrook/ Rosa Parks Station	Compton & 103rd	Compton & Slauson	Adams & San Pedro	Grand & Washington	Main & 7th (Spring & 7th)
9:23P	9:31P	9:43P	9:54P	9:58P	10:06P
10:23	10:31	10:43	10:54	10:58	11:06
11:23	11:31	11:43	11:54	11:58	12:06A
12:23A	12:31A	12:43A	12:54A	12:58A	1:06
1:23	1:31	1:43	1:54	1:58	2:06
2:23	2:31	2:43	2:54	2:58	3:06
3:23	3:31	3:43	3:54	3:58	4:06
4:23	4:31	4:43	4:54	4:58	5:06

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		LOS ANGELES		WATTS	WILLOWBROOK
2	4	5	6	7	8
Spring & 7th B	Grand & Washington	Adams & San Pedro	Compton & Slauson	Compton & 103rd	Willowbrook/ Rosa Parks Station
9:12P	9:19P	9:23P	9:33P	9:47P	9:54P
10:12	10:19	10:23	10:33	10:47	10:54
11:12	11:19	11:23	11:33	11:47	11:54
12:12A	12:19A	12:23A	12:33A	12:47A	12:54A
1:12	1:19	1:23	1:33	1:47	1:54
2:12	2:19	2:23	2:33	2:47	2:54
3:12	3:19	3:23	3:33	3:47	3:54
4:12	4:19	4:23	4:33	4:47	4:54

Sunday and Holiday Schedules

Sunday and Holiday Schedule in effect on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios de domingo y días feriados

LHorarios de domingo y días feriados en vigor para New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Special Notes

A Terminates at 7th & Spring 8-9 minutes after time shown.
B Waits for transfer connections.

Avisos especiales

A *Termina en la 7th y Spring 8-9 minutos después de la hora mostrada.*
B *Espera por las conexiones de transferencia.*

Lose something?

Learn more about Metro's Lost & Found service. Visit *metro.net/lostandfound* or call 323.937.8920.

Connect to Metro Security 24/7.

Call: 888.950.7233
Text: 213.788.2777
App: LA Metro Transit Watch

Call 911 for emergencies.

Monday through Friday

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Effective Jun 25 2023

Northbound *Al Norte* (Approximate Times / *Tiempos Aproximados*)

COMPTON		LYNWOOD	SOUTH GATE	VERNON	DOWNTOWN LOS ANGELES	
7	6	5	4	3	2	1
Artesia Station	Long Beach & Rosecrans	Long Beach & Imperial C	Long Beach & Firestone	Pacific & Slauson	7th & Central	Sunset & Figueroa
4:32A	4:50A	4:57A	5:04A	5:15A	5:29A	5:43A
—	—	5:11	5:18	5:29	5:45	5:59
4:58	5:16	5:23	5:30	5:41	5:57	6:11
—	—	5:34	5:41	5:52	6:10	6:24
5:19	5:37	5:44	5:51	6:02	6:20	6:34
—	—	5:53	6:00	6:12	6:30	6:44
5:35	5:53	6:00	6:08	6:20	6:38	6:52
—	—	6:08	6:16	6:28	6:46	7:00
5:50	6:08	6:16	6:24	6:36	6:54	7:08
—	—	6:24	6:32	6:44	7:02	7:16
6:06	6:24	6:32	6:40	6:52	7:11	7:25
—	—	6:39	6:47	6:59	7:18	7:32
6:18	6:36	6:44	6:52	7:04	7:23	7:37
—	—	6:49	6:57	7:09	7:28	7:43
6:28	6:46	6:54	7:02	7:14	7:33	7:48
—	—	6:58	7:07	7:19	7:39	7:54
6:37	6:55	7:03	7:12	7:24	7:44	7:59
—	—	7:08	7:17	7:29	7:49	8:04
6:46	7:04	7:12	7:21	7:34	7:54	8:09
—	—	7:17	7:26	7:39	7:59	8:14
6:52	7:12	7:20	7:29	7:44	8:04	8:19
—	—	7:25	7:34	7:49	8:09	8:24
7:02	7:22	7:30	7:39	7:54	8:14	8:29
—	—	7:35	7:44	7:59	8:20	8:35
7:10	7:30	7:40	7:49	8:04	8:25	8:40
—	—	7:45	7:54	8:09	8:30	8:45
7:20	7:40	7:50	7:59	8:14	8:35	8:50
—	—	7:56	8:05	8:20	8:41	8:56
7:32	7:52	8:02	8:11	8:26	8:47	9:02
—	—	8:08	8:17	8:32	8:53	9:09
7:45	8:05	8:15	8:24	8:39	9:00	9:16
—	—	8:23	8:32	8:47	9:08	9:24
8:02	8:22	8:32	8:41	8:56	9:17	9:33
—	—	8:41	8:50	9:05	9:25	9:42
8:21	8:41	8:51	9:00	9:15	9:35	9:52
—	—	9:01	9:10	9:25	9:45	10:02
8:40	9:00	9:10	9:19	9:35	9:55	10:13
—	—	9:20	9:29	9:45	10:05	10:23
8:58	9:19	9:29	9:39	9:55	10:15	10:33
—	—	9:39	9:49	10:05	10:25	10:43
9:18	9:39	9:49	9:59	10:15	10:35	10:53
—	—	9:59	10:09	10:25	10:45	11:03
9:37	9:59	10:09	10:19	10:35	10:55	11:13
—	—	10:19	10:29	10:45	11:05	11:23
9:56	10:19	10:29	10:39	10:55	11:15	11:33
—	—	10:39	10:49	11:05	11:25	11:44
10:15	10:38	10:49	10:59	11:15	11:35	11:54
—	—	10:59	11:09	11:25	11:45	12:04P
10:36	10:58	11:09	11:19	11:35	11:55	12:15
—	—	11:19	11:29	11:45	12:05P	12:25
10:56	11:18	11:29	11:39	11:55	12:15	12:35
—	—	11:39	11:49	12:05P	12:25	12:45
11:16	11:38	11:49	11:59	12:15	12:35	12:55
—	—	11:59	12:09P	12:25	12:46	1:06
11:35	11:58	12:09P	12:19	12:35	12:56	1:16
—	—	12:19	12:29	12:45	1:06	1:26
11:54	12:18P	12:29	12:39	12:55	1:16	1:36
—	—	12:39	12:49	1:05	1:26	1:46
12:14P	12:38	12:49	12:59	1:15	1:36	1:56
—	—	12:59	1:09	1:25	1:46	2:06
12:34	12:58	1:09	1:19	1:35	1:56	2:16
—	—	1:19	1:29	1:45	2:06	2:26
12:54	1:18	1:29	1:39	1:55	2:16	2:36
—	—	1:39	1:49	2:05	2:26	2:45
1:14	1:38	1:49	1:59	2:15	2:36	2:55
—	—	1:59	2:09	2:25	2:46	3:05
1:34	1:58	2:09	2:19	2:35	2:56	3:15
—	—	2:18	2:28	2:44	3:05	3:24
1:51	2:16	2:27	2:37	2:53	3:15	3:34
—	—	2:36	2:46	3:02	3:24	3:42
2:07	2:32	2:44	2:54	3:10	3:32	3:50
—	—	2:51	3:01	3:17	3:39	3:57
2:19	2:44	2:56	3:07	3:23	3:45	4:03
—	—	3:02	3:13	3:29	3:51	4:09
2:29	2:55	3:07	3:18	3:34	3:56	4:14
—	—	3:12	3:23	3:39	4:01	4:19
2:39	3:05	3:17	3:28	3:44	4:06	4:24
—	—	3:22	3:33	3:49	4:11	4:29
2:48	3:15	3:27	3:38	3:54	4:16	4:34
—	—	3:32	3:43	3:59	4:21	4:39
2:59	3:26	3:38	3:49	4:04	4:26	4:44
—	—	3:43	3:54	4:09	4:31	4:49
3:09	3:36	3:48	3:59	4:14	4:36	4:54
—	—	3:53	4:04	4:19	4:41	4:59
3:20	3:47	3:59	4:09	4:24	4:46	5:04
—	—	4:04	4:14	4:29	4:51	5:09
3:30	3:57	4:09	4:19	4:34	4:56	5:14
—	—	4:14	4:24	4:39	5:01	5:19
3:40	4:07	4:19	4:29	4:44	5:06	5:24
—	—	4:24	4:34	4:49	5:11	5:29
3:50	4:17	4:29	4:39	4:54	5:16	5:34
—	—	4:34	4:44	4:59	5:21	5:39
4:00	4:27	4:39	4:49	5:04	5:26	5:44
—	—	4:44	4:54	5:09	5:31	5:49
4:10	4:37	4:49	4:59	5:14	5:36	5:54
—	—	4:54	5:04	5:19	5:41	5:59
4:20	4:47	4:59	5:09	5:24	5:46	6:04
—	—	5:04	5:14	5:29	5:51	6:09
4:31	4:58	5:09	5:19	5:34	5:56	6:14
—	—	5:14	5:24	5:39	6:01	6:19
4:42	5:09	5:20	5:30	5:44	6:05	6:23
—	—	5:25	5:35	5:49	6:10	6:28
4:53	5:20	5:31	5:41	5:55	6:15	6:33
—	—	5:37	5:47	6:01	6:21	6:39
5:06	5:32	5:43	5:53	6:07	6:27	6:45
—	—	5:49	5:59	6:13	6:32	6:50
5:18	5:44	5:55	6:05	6:19	6:37	6:55
—	—	6:01	6:11	6:25	6:42	7:00
5:33	5:57	6:08	6:18	6:32	6:49	7:07
—	—	6:16	6:26	6:40	6:57	7:15
5:51	6:14	6:25	6:35	6:49	7:05	7:23
6:01	6:24	6:35	6:45	6:59	7:14	7:32
6:13	6:35	6:46	6:56	7:09	7:24	7:41
6:24	6:46	6:57	7:06	7:19	7:34	7:51
6:36	6:58	7:09	7:18	7:31	7:45	8:02
6:51	7:13	7:24	7:33	7:46	8:00	8:16
7:08	7:29	7:40	7:48	8:01	8:15	8:31
7:23	7:44	7:55	8:03	8:16	8:30	8:46
7:39	8:00	8:10	8:18	8:31	8:45	9:01
7:56	8:17	8:27	8:35	8:46	9:00	9:16
8:27	8:48	8:57	9:05	9:16	9:30	9:46
9:00	9:20	9:28	9:35	9:46	10:00	10:16
9:30	9:50	9:58	10:05	10:16	10:30	10:45
10:00	10:20	10:28	10:35	10:45	10:59	11:14
10:36	10:55	11:03	11:10	11:20	11:34	11:49

See Late Night/Owl Service schedule for additional service

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		VERNON	SOUTH GATE	LYNWOOD	COMPTON	
1	2	3	4	5	6	7
Sunset & Figueroa	7th & Central	Pacific & Slauson	Long Beach & Firestone	Long Beach & Imperial B	Long Beach & Rosecrans	Artesia Station
A3:57A	4:19A	4:34A	4:45A	4:53A	5:00A	5:18A
4:25	4:39	4:54	5:05	5:13	5:20	5:38
4:41	4:55	5:10	5:21	5:29	5:36	5:54
4:57	5:11	5:26	5:37	5:45	5:52	6:10
5:09	5:23	5:38	5:49	5:57	6:04	6:22
5:21	5:35	5:50	6:01	6:09	6:16	6:34
5:30	5:45	6:00	6:11	6:19	6:26	6:45
5:40	5:55	6:10	6:21	6:29	6:37	6:56
5:47	6:02	6:18	6:29	6:37	—	—
5:54	6:10	6:26	6:37	6:45	6:53	7:12
6:02	6:18	6:34	6:46	6:54	—	—
6:09	6:25	6:42	6:54	7:02	7:10	7:29
6:16	6:32	6:49	7:01	7:09	—	—
6:22	6:39	6:56	7:08	7:16	7:24	7:44
6:28	6:45	7:02	7:14	7:22	—	—
6:33	6:50	7:07	7:19	7:27	7:35	7:55
6:37	6:54	7:12	7:24	7:32	—	—
6:41	6:58	7:17	7:29	7:38	7:46	8:06
6:46	7:03	7:22	7:34	7:43	—	—
6:51	7:08	7:27	7:39	7:48	7:56	8:17
6:56	7:13	7:32	7:44	7:53	—	—
7:01	7:18	7:37	7:49	7:58	8:07	8:28
7:06	7:23	7:42	7:54	8:03	—	—
7:10	7:27	7:47	7:59	8:08	8:17	8:38
7:15	7:32	7:52	8:04	8:13	—	—
7:20	7:37	7:57	8:09	8:18	8:27	8:48
7:24	7:42	8:02	8:14	8:23	—	—
7:29	7:47	8:07	8:19	8:28	8:37	8:58
7:34	7:52	8:12	8:24	8:33	—	—
7:40	7:58	8:18	8:30	8:39	8:48	9:09
7:46	8:04	8:24	8:36	8:45	—	—
7:51	8:10	8:30	8:42	8:51	9:00	9:20
7:57	8:17	8:37	8:49	8:58	—	—
8:05	8:25	8:44	8:56	9:05	9:14	9:34
8:12	8:32	8:51	9:04	9:13	—	—
8:19	8:39	8:58	9:12	9:21	9:30	9:50
8:28	8:48	9:07	9:21	9:30	—	—
8:37	8:57	9:16	9:30	9:39	9:49	10:09
8:47	9:07	9:26	9:40	9:49	—	—
8:57	9:17	9:36	9:50	9:59	10:09	10:30
9:07	9:27	9:46	10:00	10:09	—	—
9:17	9:37	9:56	10:11	10:20	10:30	10:51
9:26	9:47	10:06	10:21	10:30	—	—
9:36	9:57	10:16	10:31	10:41	10:51	11:13
9:46	10:07	10:26	10:41	10:51	—	—
9:56	10:17	10:36	10:51	11:01	11:12	11:34
10:06	10:27	10:46	11:01	11:11	—	—
10:16	10:37	10:56	11:13	11:23	11:34	11:56
10:26	10:47	11:06	11:23	11:33	—	—
10:35	10:56	11:16	11:33	11:44	11:55	12:18P
10:45	11:06	11:26	11:43	11:54	—	—
10:54	11:16	11:36	11:53	12:04P	12:16P	12:40
11:04	11:26	11:46	12:03P	12:15	—	—
11:14	11:36	11:56	12:14	12:26	12:38	1:02
11:24	11:46	12:06P	12:24	12:36	—	—
11:34	11:56	12:16	12:34	12:46	12:58	1:22
11:44	12:06P	12:26	12:44	12:56	—	—
11:54	12:16	12:36	12:54	1:06	1:18	1:42
12:04P	12:26	12:46	1:04	1:16	—	—
12:14	12:36	12:56	1:14	1:26	1:38	2:03
12:24	12:46	1:06	1:24	1:36	—	—
12:34	12:56	1:16	1:34	1:46	1:58	2:23
12:44	1:06	1:26	1:44	1:56	—	—
12:54	1:16	1:36	1:54	2:06	2:18	2:43
1:03	1:25	1:46	2:04	2:16	—	—
1:13	1:35	1:56	2:14	2:26	2:38	3:03
1:23	1:45	2:06	2:24	2:36	—	—
1:33	1:55	2:16	2:34	2:46	2:58	3:23
1:43	2:05	2:26	2:44	2:56	—	—
1:53	2:15	2:36	2:54	3:06	3:18	3:43
2:03	2:25	2:46	3:04	3:16	—	—
2:12	2:34	2:55	3:13	3:25	3:37	4:02
2:20	2:42	3:03	3:21	3:33	—	—
2:27	2:49	3:10	3:28	3:40	3:52	4:16
2:34	2:56	3:17	3:35	3:47	—	—
2:40	3:02	3:23	3:41	3:53	4:05	4:28
2:46	3:08	3:29	3:47	3:59	—	—
2:51	3:13	3:34	3:52	4:04	4:15	4:38
2:56	3:18	3:39	3:57	4:09	—	—
3:01	3:23	3:44	4:02	4:14	4:25	4:48
3:06	3:28	3:49	4:07	4:19	—	—
3:11	3:33	3:54	4:12	4:24	4:35	4:58
3:16	3:38	3:59	4:17	4:29	—	—
3:21	3:43	4:04	4:22	4:34	4:45	5:08
3:25	3:47	4:09	4:27	4:38	—	—
3:30	3:52	4:14	4:32	4:43	4:54	5:16
3:34	3:56	4:19	4:37	4:48	—	—
3:38	4:00	4:24	4:42	4:53	5:04	5:26
3:43	4:05	4:29	4:47	4:58	—	—
3:49	4:10	4:34	4:52	5:03	5:14	5:36
3:54	4:15	4:39	4:57	5:08	—	—
3:59	4:20	4:44	5:02	5:13	5:24	5:46
4:04	4:25	4:49	5:07	5:18	—	—
4:09	4:30	4:54	5:12	5:23	5:34	5:56
4:14	4:35	4:59	5:17	5:28	—	—
4:19	4:40	5:04	5:22	5:33	5:44	6:06
4:24	4:45	5:09	5:27	5:38	—	—
4:30	4:51	5:14	5:32	5:43	5:54	6:16
4:35	4:56	5:19	5:37	5:48	—	—
4:40	5:01	5:24	5:42	5:53	6:04	6:26
4:45	5:06	5:29	5:47	5:58	—	—
4:51	5:11	5:34	5:52	6:03	6:14	6:36
4:56	5:16	5:39	5:57	6:07	—	—
5:01	5:21	5:44	6:02	6:12	6:23	6:45
5:07	5:27	5:50	6:08	6:18	—	—
5:13	5:33	5:56	6:14	6:24	6:35	6:57
5:20	5:40	6:03	6:21	6:31	—	—
5:29	5:49	6:11	6:29	6:39	6:50	7:12
5:38	5:58	6:19	6:37	6:47	—	—
5:47	6:07	6:28	6:45	6:55	7:06	7:28
5:58	6:18	6:38	6:55	7:05	7:16	7:38
6:10	6:30	6:48	7:05	7:15	7:26	7:47
6:20	6:40	6:58	7:15	7:25	7:36	7:57
6:30	6:50	7:08	7:25	7:35	7:46	8:07
6:40	7:00	7:18	7:35	7:44	7:55	8:15
6:56	7:16	7:34	7:50	7:59	8:09	8:28
7:11	7:31	7:47	8:03	8:12	8:22	8:41
7:27	7:45	8:01	8:16	8:25	8:35	8:54
7:43	8:01	8:16	8:31	8:40	8:50	9:09
7:58	8:16	8:31	8:45	8:54	9:04	9:22
8:13	8:31	8:46	9:00	9:09	9:18	9:36
8:32	8:50	9:05	9:18	9:27	9:36	9:54
A8:57	9:19	9:34	9:47	9:56	10:04	10:21

See Late Night/Owl Service schedule for additional service

Daily, Saturday & Sunday Late Night/Owl Service

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Northbound *Al Norte* (Approximate Times / *Tiempos Aproximados*)

LONG BEACH				LYNWOOD	SOUTH GATE	VERNON	DOWNTOWN LOS ANGELES	
C	C	C	6	5	4	3	2	1
Downtown Long Beach Station	Long Beach & Willow	Long Beach & Artesia	Long Beach & Rosecrans	Long Beach & Imperial	Long Beach & Firestone	Pacific & Slauson	7th & Central	Sunset & Figueroa
11:15P	11:27P	11:41P	11:49P	11:57P	12:03A	12:12A	12:26A	12:40A
11:45	11:57	12:11A	12:18A	12:25A	12:31	12:40	12:54	1:08
12:15A	12:27A	12:41	12:48	12:55	1:01	1:10	1:24	1:38
1:01	1:13	1:27	1:34	1:41	1:47	1:56	2:10	2:24
2:01	2:13	2:27	2:34	2:41	2:47	2:56	3:10	3:24
3:01	3:13	3:27	3:34	3:41	3:47	3:56	4:10	4:24
4:01	4:13	4:27	4:34	4:41	4:47	4:56	5:10	5:24

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		VERNON	SOUTH GATE	LYNWOOD		LONG BEACH		
1	2	3	4	5	6	C	C	C
Sunset & Figueroa	7th & Central	Pacific & Slauson	Long Beach & Firestone	Long Beach & Imperial	Long Beach & Rosecrans	Long Beach & Artesia	Long Beach & Willow	Downtown Long Beach Station
9:28P	9:43P	9:58P	10:10P	10:18P	10:26P	10:34P	10:49P	10:58P
A9:57	10:19	10:33	10:45	10:53	11:01	11:09	11:24	11:33
10:30	10:44	10:58	11:10	11:18	11:26	11:34	11:49	11:58
A10:57	11:19	11:33	11:45	11:52	11:59	12:06A	12:21A	12:30A
11:30	11:44	11:58	12:09A	12:16A	12:23A	12:30	12:45	12:54
A11:57	12:19A	12:33A	12:44	12:51	12:58	1:05	1:20	1:29
A12:57A	1:19	1:33	1:44	1:51	1:58	2:05	2:20	2:29
A1:57	2:19	2:33	2:44	2:51	2:58	3:05	3:20	3:29
A2:57	3:19	3:33	3:44	3:51	3:58	4:05	4:20	4:29

Sunday and Holiday Schedules

Sunday and Holiday Schedule in effect on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Horarios en los días feriados

Horarios de domingo y días feriados en vigor para New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day y Christmas Day.

Special Notes

A Waits at 6th & Broadway for transfer connections.
B Trips shown ending at Long Beach & Imperial, terminates at Long Beach Bl C Line Station 2 minutes after time shown.
C Trips shown beginning at Long Beach & Imperial, originates at Long Beach Bl C Line Station 2 minutes before time shown.

Avisos especiales

A *Espera en la 6th y Broadway por las conexiones de transferencia.*
B *El viaje se termina en Long Beach Bl C Line Station 2 minutos después de la hora mostrada.*
D *El viaje se origina en Long Beach C Line Station 2 minutos antes de la hora mostrada.*

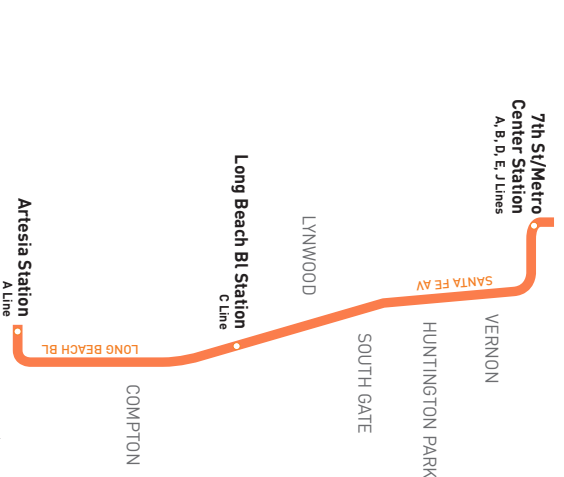
Connect to Metro Security 24/7.

Call: 888.950.7233
Text: 213.788.2777
App: LA Metro Transit Watch

Call 911 for emergencies.

Metro

Subject to change without notice
Sujeto a cambios sin previo aviso



metro.net
323.GO.METRO
Wheelchair Hotline
800.621.7828
511 Travel Info
511
California Relay Service
711

Effective Jun 25 2023

Metro Local

60

Northbound to Downtown LA
Southbound to Artesia Station
(Owl Service to Downtown Long Beach)
via Long Beach Bl

Saturday

Effective Jun 25 2023

60

Northbound *Al Norte* (Approximate Times / *Tiempos Aproximados*)

COMPTON		LYNWOOD	SOUTH GATE	VERNON	DOWNTOWN LOS ANGELES	
7	6	5	4	3	2	1
Artesia Station	Long Beach & Rosecrans	Long Beach & Imperial	Long Beach & Firestone	Pacific & Slauson	7th & Central	Sunset & Figueroa
4:36A	4:55A	5:02A	5:09A	5:20A	5:34A	5:47A
5:14	5:33	5:40	5:47	5:58	6:12	6:26
5:33	5:52	5:59	6:06	6:18	6:32	6:46
5:48	6:07	6:14	6:21	6:33	6:47	7:01
5:58	6:17	6:24	6:31	6:43	6:57	7:11
6:08	6:27	6:34	6:41	6:53	7:07	7:21
6:17	6:37	6:44	6:51	7:03	7:17	7:31
6:26	6:46	6:53	7:00	7:13	7:27	7:42
6:35	6:55	7:02	7:10	7:23	7:37	7:52
6:44	7:04	7:12	7:20	7:33	7:47	8:02
6:54	7:14	7:22	7:30	7:43	7:57	8:12
7:04	7:24	7:32	7:40	7:53	8:07	8:22
7:14	7:34	7:42	7:50	8:03	8:17	8:32
7:24	7:44	7:52	8:00	8:13	8:27	8:42
7:34	7:54	8:02	8:10	8:23	8:37	8:52
7:43	8:03	8:12	8:20	8:33	8:47	9:02
7:53	8:13	8:22	8:30	8:43	8:57	9:13
8:03	8:23	8:32	8:40	8:53	9:07	9:23
8:13	8:33	8:42	8:50	9:03	9:17	9:33
8:23	8:43	8:52	9:00	9:13	9:27	9:44
8:33	8:53	9:02	9:10	9:23	9:37	9:54
8:43	9:03	9:12	9:20	9:33	9:47	10:04
8:53	9:13	9:22	9:30	9:43	9:57	10:14
9:02	9:22	9:31	9:40	9:53	10:07	10:24
9:11	9:31	9:41	9:50	10:03	10:17	10:34
9:20	9:41	9:51	10:00	10:13	10:27	10:45
9:30	9:51	10:01	10:10	10:23	10:37	10:55
9:40	10:01	10:11	10:20	10:33	10:47	11:05
9:48	10:09	10:19	10:28	10:43	10:57	11:15
9:57	10:18	10:28	10:38	10:53	11:08	11:26
10:06	10:27	10:38	10:48	11:03	11:18	11:36
10:15	10:37	10:48	10:58	11:13	11:28	11:47
10:25	10:47	10:58	11:08	11:23	11:38	11:57
10:35	10:57	11:08	11:18	11:33	11:48	12:07P
10:44	11:06	11:17	11:27	11:43	11:58	12:18
10:54	11:16	11:27	11:37	11:53	12:10P	12:30
11:04	11:26	11:37	11:47	12:03P	12:20	12:40
11:13	11:35	11:46	11:56	12:13	12:30	12:50
11:23	11:45	11:56	12:06P	12:23	12:40	1:00
11:33	11:55	12:06P	12:16	12:33	12:50	1:10
11:43	12:05P	12:16	12:26	12:43	1:00	1:20
11:53	12:15	12:26	12:36	12:53	1:10	1:30
12:03P	12:25	12:36	12:46	1:03	1:20	1:40
12:13	12:35	12:46	12:56	1:13	1:30	1:50
12:23	12:45	12:56	1:06	1:23	1:40	2:00
12:33	12:55	1:06	1:16	1:33	1:50	2:10
12:43	1:05	1:16	1:26	1:43	2:00	2:20
12:53	1:15	1:26	1:36	1:53	2:10	2:30
1:03	1:25	1:36	1:46	2:03	2:20	2:39
1:13	1:35	1:46	1:56	2:13	2:30	2:48
1:24	1:46	1:57	2:07	2:24	2:40	2:58
1:34	1:56	2:07	2:17	2:34	2:50	3:08
1:44	2:06	2:17	2:27	2:44	3:00	3:18
1:54	2:16	2:27	2:37	2:54	3:10	3:28
2:04	2:26	2:37	2:47	3:04	3:20	3:38
2:14	2:36	2:47	2:57	3:14	3:30	3:48
2:24	2:46	2:57	3:07	3:24	3:40	3:58
2:34	2:56	3:07	3:17	3:34	3:50	4:07
2:44	3:06	3:17	3:27	3:44	4:00	4:16
2:55	3:17	3:28	3:38	3:55	4:10	4:26
3:06	3:28	3:39	3:49	4:05	4:20	4:36
3:16	3:38	3:49	3:59	4:15	4:30	4:46
3:26	3:48	3:59	4:09	4:25	4:40	4:56
3:36	3:58	4:09	4:19	4:35	4:50	5:06
3:46	4:08	4:19	4:29	4:45	5:00	5:15
3:56	4:18	4:29	4:39	4:55	5:10	5:25
4:06	4:28	4:39	4:49	5:05	5:20	5:35
4:16	4:38	4:49	4:59	5:15	5:30	5:45
4:26	4:48	4:59	5:09	5:25	5:40	5:55
4:36	4:58	5:09	5:19	5:35	5:50	6:05
4:46	5:08	5:19	5:29	5:45	6:00	6:15
4:57	5:19	5:30	5:40	5:56	6:10	6:25
5:08	5:30	5:41	5:51	6:07	6:21	6:36
5:20	5:42	5:53	6:03	6:19	6:33	6:48
5:38	6:00	6:10	6:19	6:34	6:48	7:03
5:54	6:15	6:25	6:34	6:49	7:03	7:18
6:10	6:31	6:41	6:50	7:04	7:18	7:33
6:31	6:52	7:02	7:11	7:24	7:38	7:52
6:52	7:13	7:23	7:32	7:45	7:59	8:13
7:22	7:43	7:53	8:02	8:15	8:29	8:43
7:52	8:13	8:23	8:32	8:45	8:59	9:13
8:25	8:46	8:55	9:03	9:15	9:29	9:43
8:58	9:19	9:27	9:34	9:46	10:00	10:14
9:29	9:49	9:57	10:04	10:16	10:30	10:44
10:00	10:20	10:28	10:35	10:45	10:59	11:13
10:36	10:55	11:03	11:10	11:20	11:34	11:48

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		VERNON	SOUTH GATE	LYNWOOD	COMPTON	
1	2	3	4	5	6	7
Sunset & Figueroa	7th & Central	Pacific & Slauson	Long Beach & Firestone	Long Beach & Imperial	Long Beach & Rosecrans	Artesia Station
A3:57A	4:19A	4:32A	4:43A	4:50A	4:58A	5:17A
5:03	5:17	5:30	5:41	5:48	5:56	6:16
5:55	6:09	6:22	6:33	6:40	6:48	7:08
6:18	6:32	6:45	6:56	7:03	7:11	7:31
6:31	6:47	7:00	7:12	7:20	7:28	7:48
6:40	6:56	7:10	7:22	7:30	7:38	7:58
6:50	7:06	7:20	7:32	7:40	7:48	8:08
6:59	7:16	7:30	7:42	7:50	7:58	8:18
7:09	7:26	7:40	7:52	8:00	8:08	8:28
7:19	7:36	7:50	8:02	8:10	8:18	8:38
7:29	7:46	8:00	8:13	8:21	8:29	8:49
7:39	7:56	8:10	8:23	8:31	8:39	8:59
7:48	8:06	8:20	8:34	8:42	8:50	9:10
7:57	8:16	8:30	8:44	8:52	9:00	9:20
8:07	8:26	8:40	8:54	9:02	9:10	9:30
8:17	8:36	8:50	9:04	9:13	9:21	9:41
8:27	8:46	9:00	9:14	9:23	9:31	9:51
8:37	8:56	9:10	9:24	9:33	9:42	10:02
8:47	9:06	9:20	9:34	9:43	9:52	10:12
8:57	9:16	9:30	9:45	9:54	10:03	10:23
9:06	9:25	9:40	9:55	10:04	10:14	10:34
9:16	9:35	9:50	10:05	10:14	10:24	10:44
9:25	9:45	10:00	10:15	10:24	10:34	10:54
9:35	9:55	10:10	10:25	10:34	10:44	11:04
9:45	10:05	10:20	10:35	10:45	10:55	11:15
9:55	10:15	10:30	10:45	10:55	11:05	11:25
10:04	10:24	10:40	10:55	11:05	11:15	11:35
10:14	10:34	10:50	11:06	11:16	11:26	11:46
10:24	10:44	11:00	11:17	11:27	11:37	11:57
10:34	10:54	11:10	11:27	11:38	11:48	12:08P
10:45	11:05	11:21	11:38	11:49	11:59	12:19
10:55	11:15	11:31	11:48	11:59	12:09P	12:29
11:05	11:25	11:41	11:58	12:10P	12:20	12:40
11:15	11:35	11:51	12:08P	12:20	12:30	12:50
11:25	11:45	12:01P	12:19	12:31	12:42	1:02
11:35	11:55	12:12	12:30	12:42	12:53	1:13
11:44	12:04P	12:21	12:39	12:51	1:02	1:22
11:54	12:14	12:31	12:49	1:01	1:12	1:32
12:04P	12:24	12:41	12:59	1:11	1:22	1:42
12:14	12:34	12:51	1:09	1:21	1:32	1:52
12:23	12:44	1:01	1:20	1:32	1:43	2:03
12:33	12:54	1:11	1:30	1:42	1:53	2:13
12:43	1:04	1:21	1:40	1:52	2:03	2:23
12:53	1:14	1:31	1:50	2:02	2:13	2:33
1:03	1:24	1:41	2:00	2:12	2:23	2:43
1:13	1:34	1:51	2:10	2:22	2:33	2:53
1:23	1:44	2:01	2:20	2:32	2:43	3:03
1:33	1:54	2:11	2:30	2:43	2:54	3:14
1:43	2:04	2:21	2:40	2:53	3:04	3:24
1:53	2:14	2:31	2:50	3:03	3:14	3:34
2:04	2:25	2:41	3:00	3:13	3:24	3:44
2:14	2:35	2:51	3:10	3:23	3:34	3:54
2:24	2:45	3:01	3:20	3:33	3:44	4:04
2:34	2:55	3:11	3:30	3:43	3:54	4:14
2:44	3:05	3:21	3:40	3:53	4:04	4:24
2:55	3:15	3:31	3:50	4:03	4:14	4:34
3:05	3:25	3:41	4:00	4:12	4:23	4:43
3:15	3:35	3:51	4:10	4:22	4:33	4:53
3:25	3:45	4:01	4:20	4:32	4:43	5:03
3:36	3:56	4:12	4:31	4:42	4:53	5:13
3:46	4:06	4:22	4:41	4:52	5:03	5:23
3:56	4:16	4:32	4:51	5:02	5:13	5:33
4:06	4:26	4:42	5:01	5:12	5:23	5:43
4:16	4:36	4:52	5:11	5:22	5:33	5:53
4:26	4:46	5:02	5:21	5:32	5:43	6:03
4:36	4:56	5:12	5:31	5:41	5:52	6:12
4:46	5:06	5:22	5:41	5:51	6:02	6:22
4:56	5:16	5:32	5:50	6:00	6:11	6:31
5:06	5:26	5:42	6:00	6:10	6:21	6:41
5:17	5:36	5:52	6:10	6:20	6:31	6:51
5:28	5:46	6:02	6:20	6:30	6:41	7:01
5:38	5:56	6:12	6:30	6:40	6:51	7:11
5:48	6:06	6:22	6:40	6:50	7:01	7:21
5:58	6:16	6:32	6:50	7:00	7:11	7:31
6:13	6:31	6:47	7:05	7:15	7:26	7:45
6:28	6:46	7:02	7:19	7:29	7:40	7:59
6:45	7:03	7:19	7:36	7:45	7:56	8:15
7:04	7:21	7:37	7:53	8:02	8:12	8:31
7:25	7:41	7:57	8:12	8:21	8:31	8:50
7:45	8:01	8:16	8:31	8:40	8:50	9:09
8:07	8:23	8:38	8:52	9:01	9:10	9:29
8:30	8:46	9:01	9:14	9:23	9:32	9:51
A8:57	9:19	9:34	9:47	9:56	10:04	10:23

See Late Night/Owl Service schedule for additional service

See Late Night/Owl Service schedule for additional service

Sunday and Holiday

60

Northbound *Al Norte* (Approximate Times / *Tiempos Aproximados*)

COMPTON		LYNWOOD	SOUTH GATE	VERNON	DOWNTOWN LOS ANGELES	
7	6	5	4	3	2	1
Artesia Station	Long Beach & Rosecrans	Long Beach & Imperial	Long Beach & Firestone	Pacific & Slauson	7th & Central	Sunset & Figueroa
4:38A	4:56A	5:02A	5:09A	5:20A	5:33A	5:45A
5:17	5:35	5:42	5:49	6:00	6:14	6:26
5:40	5:58	6:05	6:12	6:24	6:38	6:50
6:00	6:18	6:25	6:32	6:44	6:58	7:10
6:15	6:33	6:40	6:47	6:59	7:13	7:25
6:27	6:46	6:53	7:00	7:13	7:27	7:39
6:38	6:57	7:04	7:12	7:25	7:39	7:51
6:47	7:06	7:14	7:22	7:35	7:49	8:01
6:57	7:16	7:24	7:32	7:45	7:59	8:12
7:07	7:26	7:34	7:42	7:55	8:09	8:22
7:17	7:36	7:44	7:52	8:05	8:19	8:32
7:27	7:46	7:54	8:02	8:15	8:29	8:42
7:37	7:56	8:04	8:12	8:25	8:39	8:52
7:46	8:05	8:14	8:22	8:35	8:49	9:02
7:56	8:15	8:24	8:32	8:45	8:59	9:14
8:06	8:25	8:34	8:42	8:55	9:09	9:24
8:16	8:35	8:44	8:52	9:05	9:19	9:34
8:26	8:45	8:54	9:02	9:15	9:29	9:44
8:35	8:54	9:03	9:12	9:25	9:39	9:54
8:44	9:03	9:13	9:22	9:35	9:49	10:04
8:53	9:13	9:23	9:32	9:45	9:59	10:14
9:03	9:23	9:33	9:42	9:55	10:09	10:24
9:13	9:33	9:43	9:52	10:05	10:19	10:34
9:23	9:43	9:53	10:02	10:15	10:29	10:44
9:33	9:53	10:03	10:12	10:25	10:39	10:54
9:42	10:02	10:12	10:21	10:35	10:49	11:04
9:51	10:11	10:21	10:30	10:45	10:59	11:14
10:01	10:21	10:31	10:40	10:55	11:10	11:25
10:10	10:30	10:41	10:50	11:05	11:20	11:35
10:20	10:40	10:51	11:00	11:15	11:30	11:46
10:29	10:49	11:00	11:10	11:25	11:40	11:56
10:38	10:58	11:09	11:19	11:35	11:50	12:06P
10:48	11:08	11:19	11:29	11:45	12:00P	12:16
10:58	11:18	11:29	11:39	11:55	12:10	12:26
11:08	11:28	11:39	11:49	12:05P	12:20	12:36
11:18	11:38	11:49	11:59	12:15	12:30	12:46
11:28	11:48	11:59	12:09P	12:25	12:40	12:56
11:38	11:58	12:09P	12:19	12:35	12:50	1:06
11:47	12:07P	12:18	12:28	12:44	12:59	1:15
11:58	12:18	12:29	12:39	12:55	1:10	1:26
12:08P	12:28	12:39	12:49	1:05	1:20	1:36
12:18	12:38	12:49	12:59	1:15	1:30	1:46
12:28	12:48	12:59	1:09	1:25	1:40	1:56
12:38	12:58	1:09	1:19	1:35	1:50	2:06
12:47	1:08	1:19	1:29	1:45	2:00	2:16
12:57	1:18	1:29	1:39	1:55	2:10	2:26
1:07	1:28	1:39	1:49	2:05	2:20	2:36
1:17	1:38	1:49	1:59	2:15	2:30	2:46
1:27	1:48	1:59	2:09	2:25	2:40	2:56
1:37	1:58	2:09	2:19	2:35	2:50	3:06
1:47	2:08	2:19	2:29	2:45	3:00	3:16
1:57	2:18	2:29	2:39	2:55	3:10	3:26
2:07	2:28	2:39	2:49	3:05	3:20	3:36
2:17	2:38	2:49	2:59	3:15	3:30	3:46
2:27	2:48	2:59	3:09	3:25	3:40	3:56
2:37	2:58	3:09	3:19	3:35	3:50	4:06
2:47	3:08	3:19	3:29	3:45	4:00	4:16
2:57	3:18	3:29	3:39	3:55	4:10	4:26
3:07	3:28	3:39	3:49	4:05	4:20	4:36
3:17	3:38	3:49	3:59	4:15	4:30	4:46
3:27	3:48	3:59	4:09	4:25	4:40	4:56
3:37	3:58	4:09	4:19	4:35	4:50	5:06
3:47	4:08	4:19	4:29	4:45	5:00	5:16
3:57	4:18	4:29	4:39	4:55	5:10	5:26
4:07	4:28	4:39	4:49	5:05	5:20	5:36
4:17	4:38	4:49	4:59	5:15	5:30	5:45
4:27	4:48	4:59	5:09	5:25	5:39	5:54
4:37	4:58	5:09	5:19	5:35	5:49	6:04
4:47	5:08	5:19	5:29	5:45	5:59	6:14
4:59	5:20	5:31	5:40	5:56	6:10	6:25
5:11	5:32	5:42	5:51	6:07	6:21	6:36
5:24	5:44	5:54	6:03	6:19	6:33	6:48
5:40	6:00	6:10	6:19	6:34	6:48	7:03
5:55	6:15	6:25	6:34	6:49	7:03	7:18
6:11	6:31	6:41	6:50	7:04	7:18	7:33
6:32	6:52	7:02	7:11	7:24	7:38	7:53
6:53	7:13	7:23	7:32	7:45	7:59	8:14
7:23	7:43	7:53	8:02	8:15	8:29	8:43
7:53	8:13	8:23	8:32	8:45	8:59	9:13
8:26	8:46	8:55	9:03	9:15	9:29	9:43
8:59	9:19	9:27	9:34	9:46	10:00	10:14
9:29	9:49	9:57	10:04	10:16	10:30	10:44
10:00	10:20	10:28	10:35	10:45	10:59	11:13
10:36	10:55	11:03	11:10	11:20	11:34	11:48

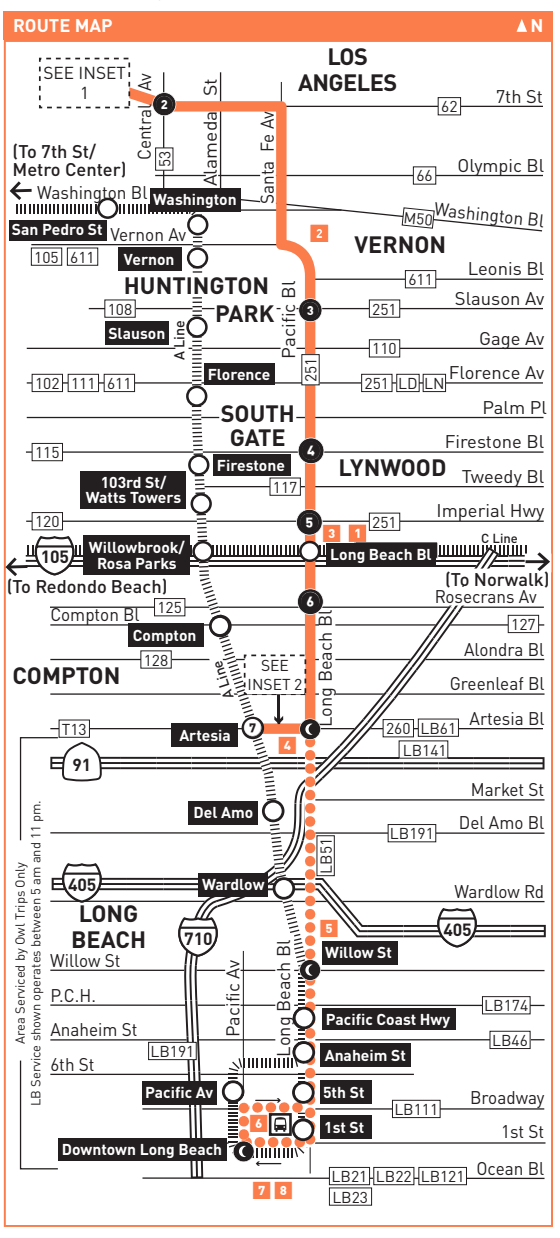
Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		VERNON	SOUTH GATE	LYNWOOD	COMPTON	
1	2	3	4	5	6	7
Sunset & Figueroa	7th & Central	Pacific & Slauson	Long Beach & Firestone	Long Beach & Imperial	Long Beach & Rosecrans	Artesia Station
A3:57A	4:19A	4:32A	4:42A	4:50A	4:58A	5:16A
5:04	5:18	5:31	5:41	5:49	5:57	6:16
5:53	6:07	6:20	6:30	6:38	6:46	7:05
6:22	6:37	6:50	7:01	7:09	7:17	7:36
6:40	6:56	7:10	7:22	7:30	7:38	7:57
6:54	7:11	7:25	7:37	7:45	7:53	8:12
7:09	7:26	7:40	7:52	8:00	8:08	8:27
7:19	7:36	7:50	8:02	8:10	8:18	8:37
7:29	7:46	8:00	8:13	8:21	8:29	8:48
7:39	7:56	8:10	8:23	8:31	8:39	8:58
7:48	8:06	8:20	8:34	8:42	8:50	9:09
7:57	8:16	8:30	8:44	8:52	9:00	9:20
8:07	8:26	8:40	8:54	9:02	9:10	9:30
8:17	8:36	8:50	9:04	9:13	9:21	9:41
8:27	8:46	9:00	9:14	9:23	9:31	9:51
8:37	8:56	9:10	9:24	9:33	9:42	10:02
8:47	9:06	9:20	9:34	9:43	9:52	10:12
8:57	9:16	9:30	9:45	9:54	10:03	10:23
9:07	9:26	9:40	9:55	10:04	10:14	10:34
9:17	9:36	9:50	10:05	10:14	10:24	10:44
9:26	9:46	10:00	10:15	10:24	10:34	10:54
9:36	9:56	10:10	10:25	10:34	10:44	11:04
9:46	10:06	10:20	10:35	10:45	10:55	11:15
9:56	10:16	10:30	10:45	10:55	11:05	11:25
10:05	10:25	10:40	10:55	11:05	11:15	11:35
10:15	10:35	10:50	11:06	11:16	11:26	11:46
10:25	10:45	11:00	11:17	11:27	11:37	11:57
10:35	10:55	11:10	11:27	11:38	11:48	12:08P
10:45	11:05	11:20	11:37	11:48	11:58	12:18
10:55	11:15	11:30	11:47	11:58	12:08P	12:28
11:05	11:25	11:40	11:57	12:09P	12:19	12:39
11:15	11:35	11:50	12:07P	12:19	12:29	12:49
11:25	11:45	12:00P	12:18	12:30	12:41	1:01
11:35	11:55	12:10	12:28	12:40	12:51	1:11
11:45	12:05P	12:20	12:38	12:50	1:01	1:21
11:55	12:15	12:30	12:48	1:00	1:11	1:31
12:05P	12:25	12:40	12:58	1:10	1:21	1:41
12:15	12:35	12:50	1:08	1:20	1:31	1:51
12:24	12:45	1:00	1:19	1:31	1:42	2:02
12:34	12:55	1:10	1:29	1:41	1:52	2:12
12:44	1:05	1:20	1:39	1:51	2:02	2:22
12:54	1:15	1:30	1:49	2:01	2:12	2:32
1:04	1:25	1:40	1:59	2:11	2:22	2:42
1:14	1:35	1:50	2:09	2:21	2:32	2:52
1:24	1:45	2:00	2:19	2:31	2:42	3:02
1:34	1:55	2:10	2:29	2:42	2:53	3:13
1:44	2:05	2:20	2:39	2:52	3:03	3:23
1:54	2:15	2:30	2:49	3:02	3:13	3:33
2:04	2:25	2:40	2:59	3:12	3:23	3:43
2:14	2:35	2:50	3:09	3:22	3:33	3:53
2:24	2:45	3:00	3:19	3:32	3:43	4:03
2:34	2:55	3:10	3:29	3:42	3:53	4:13
2:44	3:05	3:20	3:39	3:52	4:03	4:23
2:55	3:15	3:30	3:49	4:02	4:13	4:33
3:05	3:25	3:40	3:59	4:11	4:22	4:42
3:15	3:35	3:50	4:09	4:21	4:32	4:52
3:25	3:45	4:00	4:19	4:31	4:42	5:02
3:36	3:56	4:10	4:29	4:40	4:51	5:11
3:46	4:06	4:20	4:39	4:50	5:01	5:21
3:56	4:16	4:30	4:49	5:00	5:11	5:31
4:06	4:26	4:40	4:59	5:10	5:21	5:41
4:16	4:36	4:50	5:09	5:20	5:31	5:51
4:26	4:46	5:00	5:19	5:30	5:41	6:01
4:36	4:56	5:10	5:29	5:39	5:50	6:10
4:46	5:06	5:20	5:39	5:49	6:00	6:20
4:56	5:16	5:30	5:48	5:58	6:09	6:29
5:06	5:26	5:40	5:58	6:08	6:19	6:39
5:17	5:36	5:50	6:08	6:18	6:29	6:49
5:28	5:46	6:00	6:18	6:28	6:39	6:59
5:38	5:56	6:10	6:28	6:38	6:49	7:09
5:48	6:06	6:20	6:38	6:48	6:59	7:18
5:58	6:16	6:30	6:48	6:58	7:09	7:28
6:13	6:31	6:45	7:03	7:13	7:24	7:43
6:28	6:46	7:00	7:17	7:27	7:38	7:57
6:45	7:03	7:17	7:34	7:43	7:54	8:13
7:04	7:21	7:35	7:51	8:00	8:10	8:28
7:25	7:41	7:55	8:10	8:19	8:29	8:47
7:45	8:01	8:15	8:30	8:39	8:49	9:07
8:08	8:24	8:38	8:52	9:01	9:10	9:28
8:31	8:47	9:01	9:14	9:23	9:32	9:50
A8:57	9:19	9:34	9:47	9:56	10:04	10:22

See Late Night/Owl Service schedule for additional service

See Late Night/Owl Service schedule for additional service

ROUTE MAP


SEE INSET 1
LOS ANGELES
7th St
62
(To 7th St/ Metro Center)
Washington Bl
Washington
Olympic Bl
66
San Pedro St
Vernon Av
105
611
Vernon
Washington Bl
M50
VERNON
Leonis Bl
611
HUNTINGTON PARK
108
Slauson
Slauson Av
251
A Line
Pacific Bl
Gage Av
110
Florence
102
111
611
Florence Av
251
LD
LN
SOUTH GATE
Palm Pl
115
Firestone
Firestone Bl
LYNWOOD
103rd St/

Monday through Friday

Effective Jun 25 2023

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Northbound *Al Norte* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		ECHO PARK	SILVER LAKE	GLENDALE	BURBANK	SUN VALLEY	PACOIMA	SYLMAR
1	4	5	6	7	8	9	10	11
Main & 11th	Temple & Grand	Glendale & Montana	Glendale & Riverside	Brand & Broadway	Olive & San Fernando	Glenoaks & Sunland	Glenoaks & Van Nuys	Sylmar Station
—	—	—	—	—	4:08A	4:22A	4:33A	4:44A
—	—	—	—	—	5:04	5:18	5:29	5:40
4:57A	5:08A	5:16A	5:23A	5:33A	5:48	6:02	6:14	6:26
5:17	5:28	5:36	5:43	5:54	6:11	6:26	6:38	6:50
5:36	5:47	5:55	6:02	6:14	6:32	6:49	7:02	7:17
5:55	6:07	6:15	6:22	6:34	6:52	7:10	7:23	7:38
6:11	6:23	6:31	6:39	6:52	7:12	7:30	7:45	8:01
6:26	6:39	6:48	6:56	7:10	7:32	7:51	8:06	8:22
6:43	6:56	7:05	7:14	7:28	7:52	8:11	8:26	8:41
7:03	7:16	7:25	7:34	7:48	8:12	8:31	8:46	9:01
7:20	7:33	7:43	7:53	8:08	8:32	8:51	9:06	9:21
7:39	7:52	8:02	8:12	8:27	8:52	9:12	9:26	9:41
7:58	8:12	8:22	8:32	8:47	9:12	9:32	9:46	10:01
8:19	8:33	8:43	8:52	9:07	9:32	9:52	10:06	10:21
8:39	8:53	9:03	9:12	9:27	9:52	10:12	10:26	10:41
8:59	9:13	9:22	9:31	9:47	10:12	10:32	10:46	11:01
9:18	9:32	9:41	9:50	10:07	10:32	10:52	11:06	11:21
9:36	9:50	9:59	10:08	10:26	10:52	11:12	11:27	11:42
9:55	10:09	10:18	10:27	10:46	11:12	11:32	11:47	12:02P
10:15	10:29	10:38	10:47	11:06	11:32	11:52	12:07P	12:22
10:35	10:49	10:58	11:07	11:26	11:52	12:12P	12:28	12:43
10:55	11:09	11:18	11:27	11:46	12:12P	12:32	12:48	1:03
11:15	11:29	11:38	11:47	12:06P	12:32	12:52	1:08	1:23
11:34	11:48	11:57	12:07P	12:26	12:52	1:12	1:29	1:44
11:53	12:07P	12:16P	12:26	12:45	1:12	1:32	1:49	2:04
12:13P	12:27	12:36	12:46	1:05	1:32	1:52	2:09	2:24
12:33	12:47	12:56	1:06	1:25	1:52	2:13	2:30	2:45
12:53	1:07	1:16	1:26	1:45	2:12	2:34	2:51	3:06
1:12	1:26	1:36	1:46	2:05	2:32	2:54	3:11	3:27
1:32	1:46	1:56	2:06	2:25	2:52	3:14	3:31	3:47
1:52	2:06	2:16	2:26	2:45	3:12	3:34	3:50	4:06
2:12	2:26	2:36	2:46	3:05	3:32	3:54	4:10	4:26
2:31	2:45	2:55	3:06	3:25	3:52	4:14	4:30	4:46
2:50	3:04	3:15	3:26	3:45	4:12	4:34	4:50	5:06
3:07	3:22	3:33	3:46	4:05	4:32	4:54	5:10	5:26
3:25	3:41	3:53	4:06	4:25	4:52	5:14	5:29	5:45
3:44	4:00	4:12	4:26	4:45	5:12	5:34	5:49	6:05
4:04	4:20	4:32	4:46	5:05	5:32	5:53	6:08	6:23
4:24	4:40	4:52	5:06	5:25	5:52	6:13	6:27	6:42
4:44	5:00	5:12	5:26	5:45	6:12	6:33	6:45	7:00
5:03	5:19	5:31	5:46	6:05	6:32	6:52	7:04	7:18
5:27	5:43	5:54	6:09	6:27	6:52	7:11	7:23	7:37
5:48	6:04	6:15	6:30	6:48	7:12	7:31	7:43	7:57
6:15	6:31	6:41	6:54	7:11	7:35	7:53	8:05	8:18
6:47	7:01	7:11	7:22	7:38	8:00	8:17	8:29	8:42
7:21	7:34	7:44	7:53	8:08	8:30	8:47	8:59	9:11
8:16	8:28	8:36	8:44	8:57	9:16	9:32	9:43	9:54
9:07	9:18	9:26	9:33	F9:46	B10:03	—	—	—
10:09	10:19	10:26	10:33	F10:44	B10:59	—	—	—
—	C11:20	11:26	11:33	F11:44	B11:59	—	—	—
—	C12:20A	12:26A	12:33A	F12:44A	B12:59A	—	—	—
—	C1:20	1:26	1:33	F1:44	B1:59	—	—	—
—	C2:20	2:26	2:33	F2:44	B2:59	—	—	—
—	C3:20	3:26	3:33	F3:44	B3:59	—	—	—
—	C4:20	4:26	4:33	F4:44	C4:59	—	—	—

Monday through Friday

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Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

SYLMAR	PACOIMA	SUN VALLEY	BURBANK	GLENDALE	SILVER LAKE	ECHO PARK	DOWNTOWN LOS ANGELES	
11	10	9	8	7	6	5	3	2
Sylmar Station	Glenoaks & Van Nuys	Glenoaks & Sunland	Olive & San Fernando	Brand & Broadway	Glendale & Riverside	Glendale & Montana	Temple & Hill	Olympic & Main
—	—	—	D4:21A	F4:40A	4:48A	4:55A	5:02A	5:10A
—	—	H4:44	4:58	5:15	5:24	5:31	5:39	5:48
4:54A	5:04A	5:15	5:30	5:48	5:59	6:07	6:16	6:26
5:17	5:28	5:39	5:55	6:14	6:26	6:35	6:45	6:56
5:35	5:47	5:58	6:15	6:35	6:48	6:57	7:08	7:19
5:54	6:06	6:18	6:35	6:55	7:09	7:20	7:31	7:43
6:12	6:25	6:38	6:55	7:16	7:31	7:43	7:56	8:08
6:29	6:43	6:57	7:15	7:39	7:55	8:07	8:20	8:32
6:48	7:02	7:17	7:35	8:01	8:17	8:29	8:40	8:52
7:06	7:21	7:36	7:55	8:21	8:36	8:47	8:58	9:10
7:25	7:40	7:56	8:15	8:41	8:55	9:06	9:17	9:29
7:45	8:00	8:16	8:35	9:01	9:15	9:26	9:37	9:49
8:05	8:20	8:36	8:55	9:22	9:36	9:47	9:58	10:10
8:26	8:40	8:55	9:15	9:42	9:57	10:08	10:19	10:31
8:46	9:00	9:15	9:35	10:03	10:18	10:29	10:40	10:52
9:06	9:20	9:35	9:55	10:23	10:38	10:49	11:00	11:12
9:26	9:40	9:55	10:15	10:44	10:59	11:10	11:22	11:34
9:46	10:00	10:15	10:35	11:04	11:20	11:31	11:43	11:55
10:06	10:20	10:35	10:55	11:24	11:40	11:51	12:03P	12:15P
10:26	10:40	10:55	11:15	11:45	12:01P	12:12P	12:24	12:36
10:46	11:00	11:15	11:35	12:06P	12:22	12:33	12:45	12:57
11:06	11:20	11:35	11:55	12:26	12:42	12:53	1:05	1:17
11:26	11:40	11:55	12:15P	12:46	1:02	1:13	1:25	1:37
11:46	11:59	12:15P	12:35	1:06	1:22	1:33	1:45	1:57
12:04P	12:19P	12:34	12:55	1:26	1:42	1:53	2:05	2:18
12:25	12:40	12:54	1:15	1:46	2:02	2:14	2:26	2:39
12:45	1:00	1:14	1:35	2:06	2:22	2:34	2:46	2:59
1:05	1:20	1:34	1:55	2:26	2:42	2:54	3:07	3:20
1:25	1:40	1:54	2:15	2:46	3:02	3:14	3:27	3:40
1:44	1:59	2:14	2:35	3:06	3:22	3:34	3:47	4:00
2:04	2:19	2:34	2:55	3:27	3:43	3:55	4:07	4:20
2:24	2:39	2:54	3:15	3:47	4:03	4:16	4:28	4:41
2:44	2:59	3:14	3:35	4:07	4:24	4:37	4:49	5:02
3:03	3:19	3:34	3:55	4:27	4:44	4:57	5:09	5:22
3:22	3:38	3:54	4:15	4:47	5:04	5:17	5:29	5:42
3:42	3:58	4:14	4:35	5:07	5:24	5:37	5:49	6:02
4:02	4:18	4:34	4:55	5:27	5:43	5:56	6:08	6:21
4:22	4:37	4:54	5:15	5:47	6:03	6:14	6:26	6:39
4:43	4:58	5:14	5:35	6:06	6:21	6:32	6:42	6:55
5:04	5:19	5:35	5:55	6:24	6:39	6:50	7:00	7:12
5:25	5:39	5:55	6:15	6:43	6:58	7:07	7:17	7:29
5:49	6:03	6:16	6:35	7:03	7:17	7:26	7:36	7:47
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7:07	7:20	7:31	7:48	8:12	8:25	8:34	8:44	8:54
7:39	7:51	8:02	8:18	8:41	8:53	9:01	9:10	9:20
8:10	8:22	8:32	8:48	9:09	9:20	9:28	9:37	9:47
8:44	8:55	9:05	9:21	9:41	9:51	9:59	10:08	10:18
9:34	9:44	9:54	10:08	—	—	—	—	—
—	—	—	D10:21	F10:40	10:48	10:55	E11:02	—
10:34	10:44	10:54	11:08	—	—	—	—	—
—	—	—	D11:21	F11:40	11:48	11:55	E12:02A	—
—	—	—	D12:21A	F12:40A	12:48A	12:55A	E1:02	—
—	—	—	D1:21	F1:40	1:48	1:55	E2:02	—
—	—	—	D2:21	F2:40	2:48	2:55	E3:02	—
—	—	—	D3:21	F3:40	3:48	3:55	E4:02	—

Saturday, Sunday & Holidays

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Northbound *Al Norte* (Approximate Times / *Tiempos Aproximados*)

DOWNTOWN LOS ANGELES		ECHO PARK	SILVER LAKE	GLENDALE	BURBANK	SUN VALLEY	PACOIMA	SYLMAR
1	4	5	6	7	8	9	10	11
Main & 11th	Temple & Grand	Glendale & Montana	Glendale & Riverside	Brand & Broadway	Olive & San Fernando	Glenoaks & Sunland	Glenoaks & Van Nuys	Sylmar Station
—	—	—	—	—	4:08A	4:22A	4:33A	4:44A
—	—	—	—	—	5:04	5:18	5:30	5:42
5:05A	5:15A	5:21A	5:27A	5:37A	5:53	6:07	6:19	6:31
5:34	5:44	5:51	5:57	6:08	6:24	6:39	6:51	7:03
6:02	6:12	6:19	6:25	6:37	6:54	7:09	7:21	7:33
6:29	6:40	6:47	6:54	7:06	7:24	7:40	7:52	8:05
6:54	7:06	7:13	7:22	7:35	7:54	8:10	8:22	8:35
7:19	7:32	7:41	7:50	8:03	8:24	8:41	8:53	9:06
7:49	8:02	8:11	8:20	8:33	8:54	9:12	9:25	9:40
8:16	8:29	8:38	8:48	9:01	9:24	9:42	9:55	10:10
8:43	8:57	9:06	9:16	9:30	9:54	10:12	10:25	10:40
9:11	9:25	9:34	9:44	10:00	10:24	10:43	10:56	11:11
9:40	9:54	10:03	10:13	10:29	10:54	11:13	11:26	11:42
10:08	10:22	10:31	10:41	10:59	11:24	11:43	11:56	12:12P
10:37	10:51	11:00	11:10	11:28	11:54	12:13P	12:26P	12:42
11:06	11:20	11:29	11:39	11:58	12:24P	12:43	12:56	1:11
11:34	11:48	11:57	12:08P	12:28P	12:54	1:13	1:26	1:40
12:04P	12:18P	12:27P	12:38	12:58	1:24	1:43	1:56	2:10
12:34	12:48	12:57	1:08	1:28	1:54	2:13	2:26	2:40
1:05	1:19	1:28	1:39	1:58	2:24	2:43	2:56	3:10
1:34	1:48	1:58	2:09	2:28	2:54	3:13	3:26	3:40
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6:32	6:46	6:55	7:05	7:22	7:45	8:03	8:15	8:28
7:23	7:36	7:44	7:54	8:09	8:31	8:47	8:59	9:11
8:14	8:26	8:34	8:42	8:56	9:16	9:32	9:43	9:54
9:07	9:18	9:26	9:33	F9:46	B10:03	—	—	—
10:09	10:19	10:26	10:33	F10:44	B10:59	—	—	—
—	C11:20	11:26	11:33	F11:44	B11:59	—	—	—
—	C12:20A	12:26A	12:33A	F12:44A	B12:59A	—	—	—
—	C1:20	1:26	1:33	F1:44	B1:59	—	—	—
—	C2:20	2:26	2:33	F2:44	B2:59	—	—	—
—	C3:20	3:26	3:33	F3:44	B3:59	—	—	—
—	C4:20	4:26	4:33	F4:44	C4:59	—	—	—

Saturday, Sunday & Holidays

92

Southbound *Al Sur* (Approximate Times / *Tiempos Aproximados*)

SYLMAR	PACOIMA	SUN VALLEY	BURBANK	GLENDALE	SILVER LAKE	ECHO PARK	DOWNTOWN LOS ANGELES	
11	10	9	8	7	6	5	3	2
Sylmar Station	Glenoaks & Van Nuys	Glenoaks & Sunland	Olive & San Fernando	Brand & Broadway	Glendale & Riverside	Glendale & Montana	Temple & Hill	Olympic & Main
—	—	—	D4:21A	F4:40A	4:48A	4:55A	5:02A	5:10A
4:41A	4:51A	5:01A	5:15	5:32	5:40	5:47	5:54	6:01
5:17	5:27	5:37	5:51	6:09	6:19	6:27	6:35	6:44
5:43	5:55	6:06	6:21	6:41	6:51	6:59	7:07	7:17
6:12	6:25	6:36	6:51	7:12	7:22	7:30	7:39	7:50
6:42	6:55	7:06	7:21	7:43	7:54	8:03	8:12	8:24
7:10	7:24	7:35	7:51	8:15	8:27	8:36	8:45	8:58
7:39	7:53	8:04	8:21	8:46	8:59	9:09	9:18	9:31
8:08	8:23	8:34	8:51	9:17	9:31	9:42	9:52	10:05
8:37	8:52	9:03	9:21	9:48	10:02	10:13	10:23	10:36
9:05	9:21	9:33	9:51	10:20	10:35	10:47	10:57	11:10
9:34	9:50	10:02	10:21	10:51	11:06	11:18	11:28	11:41
10:01	10:17	10:31	10:51	11:22	11:38	11:51	12:01P	12:14P
10:31	10:47	11:01	11:21	11:52	12:08P	12:21P	12:31	12:44
11:00	11:17	11:31	11:51	12:22P	12:38	12:52	1:02	1:15
11:30	11:47	12:01P	12:21P	12:54	1:10	1:24	1:34	1:47
11:59	12:16P	12:30	12:51	1:24	1:40	1:54	2:04	2:18
12:29P	12:46	1:00	1:21	1:54	2:10	2:23	2:33	2:47
12:59	1:16	1:30	1:51	2:24	2:40	2:53	3:03	3:17
1:29	1:46	2:00	2:21	2:54	3:10	3:22	3:32	3:46
2:00	2:17	2:30	2:51	3:23	3:39	3:51	4:01	4:16
2:30	2:47	3:00	3:21	3:53	4:09	4:21	4:31	4:46
3:01	3:17	3:30	3:51	4:23	4:39	4:51	5:01	5:16
3:31	3:47	4:00	4:21	4:53	5:09	5:21	5:31	5:46
4:01	4:17	4:30	4:51	5:23	5:39	5:51	6:01	6:16
4:31	4:47	5:00	5:21	5:53	6:08	6:20	6:30	6:44
5:01	5:17	5:30	5:51	6:22	6:37	6:49	6:59	7:10
5:40	5:56	6:08	6:26	6:56	7:10	7:20	7:30	7:41
6:23	6:38	6:49	7:07	7:34	7:47	7:57	8:06	8:16
7:08	7:22	7:33	7:50	8:16	8:28	8:37	8:46	8:56
7:53	8:07	8:18	8:35	8:58	9:09	9:17	9:26	9:36
8:42	8:54	9:05	9:21	9:41	9:51	9:59	10:08	10:18
9:34	9:44	9:54	10:08	—	—	—	—	—
—	—	—	D10:21	F10:40	10:48	10:55	E11:02	—
10:34	10:44	10:54	11:08	—	—	—	—	—
—	—	—	D11:21	F11:40	11:48	11:55	E12:02A	—
—	—	—	D12:21A	F12:40A	12:48A	12:55A	E1:02	—
—	—	—	D1:21	F1:40	1:48	1:55	E2:02	—
—	—	—	D2:21	F2:40	2:48	2:55	E3:02	—
—	—	—	D3:21	F3:40	3:48	3:55	E4:02	—

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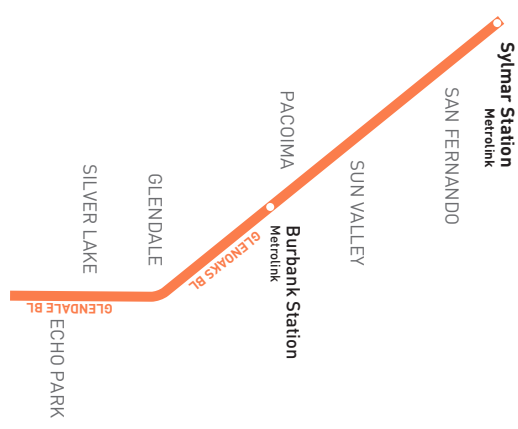
Northbound to Sylmar
Southbound to Downtown LA
via Glendale Bl, Brand Bl, Glenoaks Bl



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Appendix D:
Plans, Programs, Ordinances and Policies Review

Appendix D: Detailed Responses in Support of Determining Potential Conflicts with Adopted Plans, Programs, Ordinances, or Policies

Per the TAG, the following questions help address potential conflicts with the identified relevant plans, policies, and programs.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
A. Mobility Plan 2035 PROW Classification Standards for Dedications and Improvements			
The following questions address the potential for projects to conflict with or preclude the implementation of the City's Mobility Plan 2035 Street Designations:			
A.1	Does the project include additions or new construction along a street designated as a Boulevard I, and II, and/or Avenue I, II, or III on property zoned for R3 or less restrictive zone?	MP 2.1, 2.3, 3.2, and Mobility Plan 2035 Street Designations and Standard Roadway Dimensions	Yes, the Project will involve new construction along Sunset Boulevard (designated as Avenue I).
A.2	If A.1 is yes, is the project required to make additional dedications or improvements to the Public Right of Way as demonstrated by the street designation?		No, the Project is not required to make additional dedications to the public right-of-way along Sunset Boulevard. There is an existing 100' of right-of-way (50' half right-of-way), which is to standards.
A.3	If A.2 is yes, is the project making the dedications and improvements as necessary to meet the designated dimensions of the fronting street (Boulevard I, and II, or Avenue I, II, or III)?		N/A. The Project is not required to provide dedications along Sunset Boulevard.
A.4	If the answer to A.3. is NO, is the project applicant asking to waive from the dedication standards?		This question is not applicable because the Project application is not requesting to waive from the *Mobility Plan 2035* Street Designations and Standard Roadway Dimensions standards.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
Therefore, the Project would not conflict with the aforementioned Mobility Plan 2035 policies.			
B. Mobility Plan 2035 PROW Policy Alignment with Project-Initiated Changes			
The following questions address the potential for project driveways and public right-of-way improvements to conflict with or preclude the implementation of the City's Mobility Plan 2035 Street Designations and Standard Driveway Dimensions.			
B.1	Does the project physically modify the curb placement or turning radius and/or physically alter the sidewalk and parkways space that changes how people access a property?	MP 2.1, 2.3, 2.10, 3.2, 3.5, 4.1, 5.1, 5.4, and Street Designations and Standard Roadway Dimensions	The Project would maintain the sidewalks around the perimeter of the Project Site and provide pedestrian access points along Sunset Boulevard. The Project would be not preclude or conflict with Mobility Plan 2035 policies, such as: 2.1 Adaptive Reuse of Streets: The Project would not alter adjacent streets or the right-of-way in a manner that would preclude or conflict future changes by various City Departments. 2.3 Pedestrian Infrastructure: The Project would not narrow or remove pedestrian facilities. 2.4 Neighborhood Enhanced Network (NEN): The Project does not front any streets on the NEN. 2.10 Loading Areas: The Project would provide loading spaces on-site. 3.2 People with Disabilities: The Project would be consistent with this policy by maintaining ADA compliance and ensuring that pathways are free of obstacles along the Project frontage. 3.5 Multimodal Features: Sunset Boulevard is part of the Transit Enhanced Network. The Project would support multimodal travel by maintaining the existing sidewalks and providing on-site bike parking. It is also located adjacent to bus stops serving LA Metro Line 4, which provides frequent all-day service, seven days a week. 3.8 Bicycle Parking: The Project supports this policy by providing bicycle parking, including 183 bicycle parking stalls (21 short-term and 162 long-term). 4.1 New Technologies: This policy supports new technology systems and infrastructure to expand access to transportation choices. The Project does not propose elements that would limit or preclude the City's ability to offer or introduce new technology systems or infrastructure. 5.1 Sustainable Transportation: As mentioned for policies 3.5 and 3.8, the Project would encourage the development of a sustainable transportation system with its provision of bicycle parking and proposed development near transit. 5.4 Clean Fuels and Vehicles: The Project will provide 77 EV parking spaces, approximately 30% of new construction total. This investment in zero-emissions vehicle infrastructure supports a reduction in local air pollution, including exposure to pedestrians around the Project Site.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
B.2	Does the project add new driveways along a street designated as an Avenue or a Boulevard that conflict with LADOT's Driveway Design Guidelines?	MP 2.10, PL.1, CDG 2,	Mobility Plan 2035 policy PL.1 encourages vehicular access from non-arterial streets (or alleys) and redesigning access points to be more pedestrian friendly. The Project provides vehicular access off Sunset Boulevard (Avenue I). Access is provided along Sunset Boulevard due to the Project Site only having street frontage along Sunset Boulevard due to topographical constraints. The Project would reduce the number of driveways from 13 to three. Driveways would comply with all driveway design guidelines and intersect at right angles.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
B.2.1	Would the physical changes in the public right of way or new driveways that conflict with LADOT's *Driveway Design Guidelines* degrade the experience of vulnerable roadway users such as modify, remove, or otherwise negatively impact existing bicycle, transit, and/or pedestrian infrastructure?	*Mobility Plan 2035*: Transit Enhanced Network, Bicycle Enhanced Network, Bicycle Lane Network, Pedestrian Enhanced District, Neighborhood Enhanced Network, High Injury Network, TOC Guidelines	No, the physical changes in the public right-of-way would not degrade the experience of vulnerable roadway users. While the Project's driveways would be located on Sunset Boulevard, the Project would reduce the number of driveways from 13 to three. The Project does not propose to shift or narrow sidewalks and will provide pedestrian access points along Sunset Boulevard. The Project also includes on-site bike parking such that the Project will be supportive of and not preclude or conflict with *Mobility Plan 2035* Policies such as: Pedestrian Infrastructure: *Mobility Plan 2035* identifies Pedestrian Enhanced Districts (PED) where initial analysis suggests arterials can be improved and further analysis and prioritization would occur as funding and projects become available. Sunset Boulevard near the Project Site is part of the PED. Neighborhood Enhanced Network: The Neighborhood Enhanced Network (NEN) is a selection of local streets to provide comfortable and safe routes for localized travel of slower-moving modes, such as walking or biking. The Project does not front any NEN streets, therefore it would not preclude the City from enacting future NEN projects. Transit Network: This policy identifies specific streets as part of the Transit Enhanced Network (TEN) to receive improvements that enhance the performance and reliability of existing and future bus services. Sunset Boulevard is part of the TEN. The Project would not preclude the City's ability to enhance transit performance and reliability along this street. Bicycle Networks: This policy establishes a Bicycle Enhanced Network (BEN), which is comprised of protected bicycle lanes and bicycle paths, to provide bikeways for a variety of users. Sunset Boulevard along the Project Site is part of the BEN. Vision Zero: The Project Site is located along Sunset Boulevard, which is identified as part of the City's High-Injury Network (HIN). The Project would not conflict with the implementation of future Vision Zero projects in the public right-of-way. Transit Oriented Community: The Transit-Oriented Community (TOC) guidelines define parameters of housing incentives based on considerations such as proximity to high-quality transit, type of housing, and the land uses being replaced. The Project is in a Tier 2 TOC zone. A Tier 2 TOC zone is defined as within 2640 feet of an intersection between a regular bus line and a rapid bus line, each running every 15 minutes or better during the peak periods, as defined by LADOT. The Project is served by bus lines along Sunset Boulevard, Temple Street, and Figueroa Street.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
B.2.2	Would the physical modifications or new driveways that conflict with LADOT's Driveway Design Guidelines preclude the City from advancing the safety of vulnerable roadway users?		No, the Project's driveways on Sunset Boulevard would not conflict with driveway design guidelines and thus would not preclude the City from advancing the safety of vulnerable roadway users. The Project would reduce the number of driveways from 13 to three. The Project proposes to add the fourth west-facing leg to the signalized intersection of Sunset Boulevard and Marion Avenue.
Therefore, the Project's proposed driveways would not conflict with the aforementioned Mobility Plan 2035 and LADOT policies.			
C. Network Access			
The following questions address the potential for projects to conflict with established Mobility Plan 2035 policies to preserve and/or enhance street network access.			
C1.1	Does the project propose to vacate or otherwise restrict public access to a street, alley, or public stairway?	MP 3.9	The Project does not propose to vacate or otherwise restrict public access to a street, alley, or public stairway. Public access to, from, and within the Project Site will be maintained and enhanced for pedestrian connectivity.
C.1.2	If the answer to C.1.1 is Yes, will the project provide or maintain public access to people walking and biking on the street, alley, or stairway?		This question is not applicable, as the Project does not propose to vacate or otherwise restrict public access to a street, alley, or public stairway. Therefore, the Project does not conflict with this policy.
C.2.1	Does the project create a cul-de-sac or is the project located adjacent to an existing cul-de-sac?	MP 3.10	No, the Project does not create a cul-de-sac nor is it located adjacent to an existing cul-de-sac.
C.2.2	If yes, will the cul-de-sac maintain convenient and direct public access to people walking and biking to the adjoining street network?		This question is not applicable as the Project does not propose creating a new cul-de-sac and is not located adjacent to an existing cul-de-sac. Therefore, the Project does not conflict with this policy.
Therefore, the Project would not conflict with these policies by reducing public street access.			

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
D. Parking Supply and Transportation Demand Management			
The following questions address the potential for projects' parking supply to conflict with established Mobility Plan 2035 goals.			
D.1	Would the project propose a supply of onsite parking that exceeds the baseline amount as required in the Los Angeles Municipal Code or a Specific plan, whichever requirement prevails?	MP 3.8, 4.8, 4.13	4.13 Parking and Land Use Management: The objective of this policy is to balance parking supply with other transportation and land use objectives. The policy states that an oversupply of parking can undermine broader regional goals of creating vibrant public spaces and a robust multimodal transportation system; that an abundance of free parking incentivizes automobile trips and makes alternative modes of transportation less attractive; and that large parking lots consume land that could be used for other valuable uses and discourage walking by increasing the distance between services and facilities. Per LAMC baseline requirements, the Project would be required to provide 621 vehicle parking stalls. After factoring in AB 2097[2] parking reduction provisions, the Project is required to provide zero (0) parking stalls. The Project proposes to provide 263 parking stalls located in three separate parking structures – 58% less than the LAMC baseline. Therefore, the Project would not provide onsite parking that exceeds baseline LAMC code requirements and does not conflict with this policy. The Project does not conflict with the portion of MP 4.13 that discourages utilizing land for parking that could have been used for other valuable uses since the parking supply does not exceed the baseline amount and would be located in a subterranean and above-ground garage. Therefore, the Project does not contribute to an abundance of freely available public parking and does not conflict with this policy. The Project includes features to encourage walking and bicycling, including providing 183 bike stalls with 21 of them being short-term and 162 of them being long-term. Additionally, the Project would be consistent with the applicable goals and objectives of the SCAG 2020-2045 RTP/SCS (SCAG, 2020) to locate jobs and housing in infill locations served by public transportation and facilitating active transportation. Therefore, the Project would not undermine broader regional goals of creating vibrant public spaces and a robust multimodal transportation system, and would not conflict with this policy.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
D.2	If the answer to D.1. is YES, would the project propose to actively manage the demand of parking by independently pricing the supply to all users (e.g., parking cash-out), or for residential properties, unbundle the supply from the lease or sale of residential units?		Not applicable. The Project does not propose a parking supply that exceeds baseline code requirements. Therefore, the Project does not conflict with this policy.
D.3	Would the project provide the minimum on- and off-site bicycle parking spaces as required by Section 12.21 A.16 of the LAMC?		3.8 Bicycle Parking: The Project would provide on-site bicycle parking consistent with the City's Bicycle Parking Ordinance. The Project will provide a total of 183 bike stalls with 21 of them being short-term and 162 of them being long-term.
D.4	Does the Project include more than 25,000 square feet of gross floor area construction of new non-residential gross floor?		No, the Project would not include more than 25,000 square feet of gross floor area construction of new non-residential gross floor. Therefore, this criterion does not apply
D.5	If the answer to D.4. is YES, does the project comply with the City's TDM Ordinance in Section 12.26 J of the LAMC?		Not applicable. The Project would not need to comply with the City's TDM Ordinance.
Therefore, the Project's proposed parking supply does not conflict with the aforementioned Mobility Plan 2035 policies.			
E. Consistency with Regional Plans			
The following questions address the potential for projects to conflict with the SCAG Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS).			
E.1	Does the Project or Plan apply one of the City's efficiency-based impact thresholds (i.e., VMT per capita, VMT per employee, or VMT per service population) as discussed in Section 2.2.3 of the TAG?		Yes, the Project applies the City's efficiency-based impact thresholds of VMT per capita.

Question	Guiding Questions	Relevant Plans, Policies, and Programs	Evaluation
E.2	E.2 If the Answer to E.1 is YES, does the Project or Plan result in a significant VMT impact?		No, the Project would not result in a significant VMT impact, per the LA VMT Calculator and significance thresholds.
E.3	If the Answer to E.1 is NO, does the Project result in a net increase in VMT?		Not applicable. The Project does not propose regionally serving uses that would result in a new increase in VMT.
E.4	If the Answer to E.2 or E.3 is YES, then further evaluation would be necessary to determine whether such a project or land use plan would be shown to be consistent with VMT and GHG reduction goals of the SCAG RTP/SCS		Not applicable. The Project would not result in a significant VMT impact and is presumed to be consistent with VMT and GHG reduction goals in the SCAG RTP/SCS.
Therefore, the Project would not conflict with the SCAG RTP/SCS.			

Notes:

1. Adapted from Attachment D: Plan Consistency Worksheet in the *Transportation Analysis Guidelines*, LADOT, August 2022.
2. Assembly Bill 2097, which came into effect January 2023, prohibits public agencies from imposing minimum automobile parking requirements on most development projects located within a ½ mile radius of a major transit stop. Because the Project is located within a ½ mile radius of frequent bus service along Sunset Boulevard and would not be providing lodging uses, no automobile parking is required.

Appendix E:
LADOT VMT Calculator Tool Reports

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	286	DU
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	Family	41	DU
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	*General Retail*	*0.000*	*ksf*
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	9.462	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	*General Office*	*0.000*	*ksf*
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

Analysis Results			
Total Employees: 38 Total Population: 773			
Proposed Project		***With Mitigation***	
1,850	**Daily Vehicle Trips**	**1,850**	**Daily Vehicle Trips**
11,632	**Daily VMT**	**11,632**	**Daily VMT**
5.3	**Household VMT per Capita**	**5.3**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: East Los Angeles			
Impact Threshold: 15% Below APC Average Household = 7.2 Work = 12.7			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 7.2 Work > 12.7	No N/A	Household > 7.2 Work > 12.7	No N/A

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	Reduce parking supply	City code parking provision (spaces)	621	621
		Actual parking provision (spaces)	263	263
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	Employees and residents participating (%)	100%	100%

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	Meets City Bike Parking Code (Yes/No)	Yes	Yes
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*13%*
MAX. TDM EFFECT	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*

= Minimum (X%, 1-[(1-A)*(1-B)…])
where X%=

PLACE	*urban*	*75%*
TYPE	compact infill	*40%*
MAX:	*suburban center*	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,…). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	291	-21.0%	230	7.5	2,183	1,725
Home Based Other Production	806	-29.4%	569	5.6	4,514	3,186
Non-Home Based Other Production	551	-2.2%	539	6.8	3,747	3,665
Home-Based Work Attraction	55	-34.5%	36	8.5	468	306
Home-Based Other Attraction	786	-25.6%	585	5.9	4,637	3,452
Non-Home Based Other Attraction	266	-3.0%	258	6.2	1,649	1,600

MXD Methodology with TDM Measures

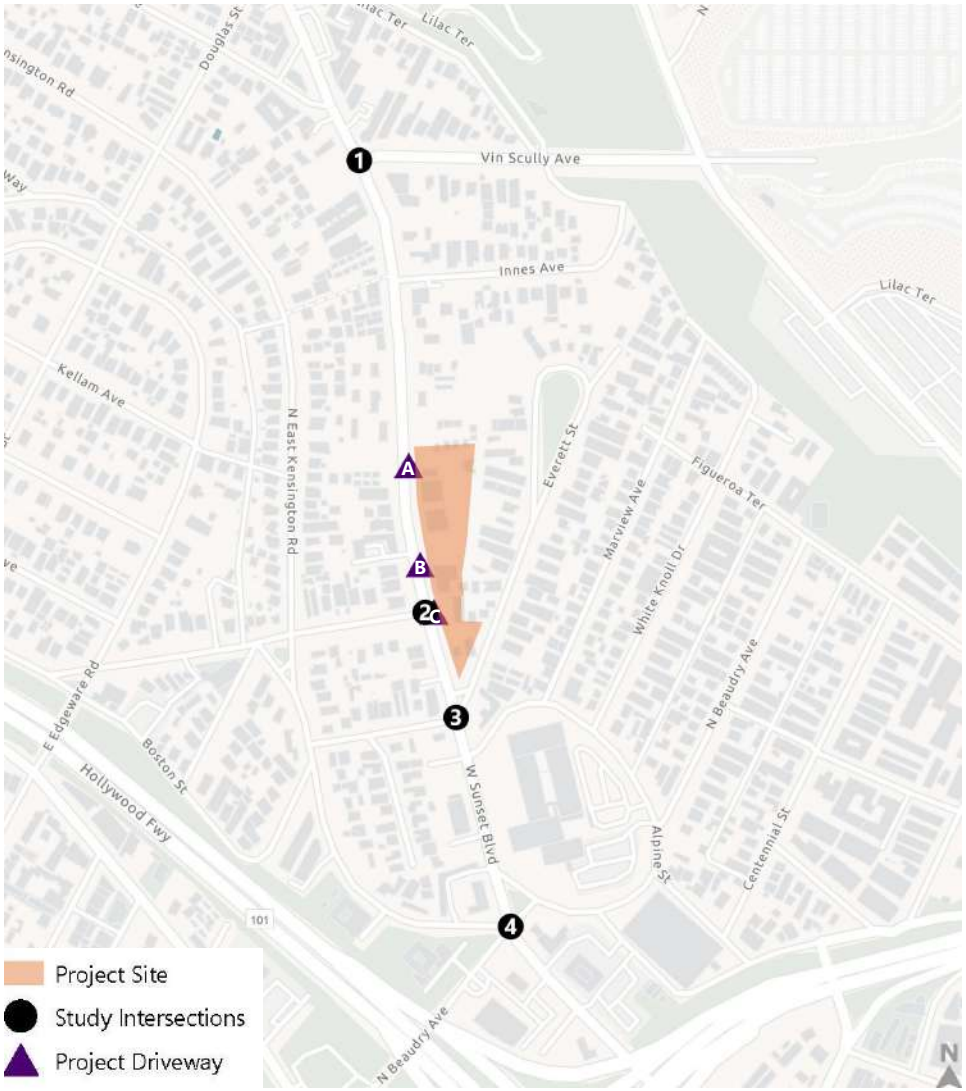
	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-16.5%	192	1,440	-16.5%	192	1,440
Home Based Other Production	-16.5%	475	2,660	-16.5%	475	2,660
Non-Home Based Other Production	-16.5%	450	3,059	-16.5%	450	3,059
Home-Based Work Attraction	-16.5%	30	255	-16.5%	30	255
Home-Based Other Attraction	-16.5%	488	2,882	-16.5%	488	2,882
Non-Home Based Other Attraction	-16.5%	215	1,336	-16.5%	215	1,336

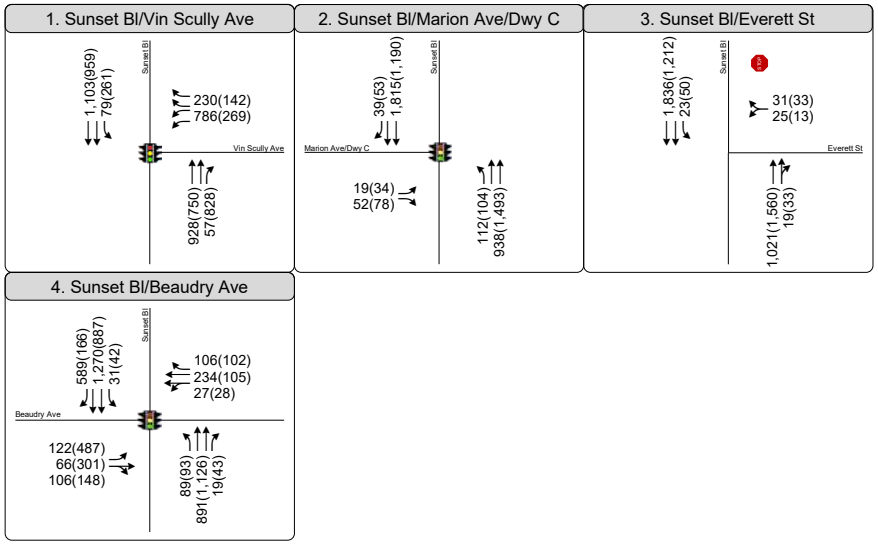
MXD VMT Methodology Per Capita & Per Employee

Total Population: 773
Total Employees: 38
APC: East Los Angeles

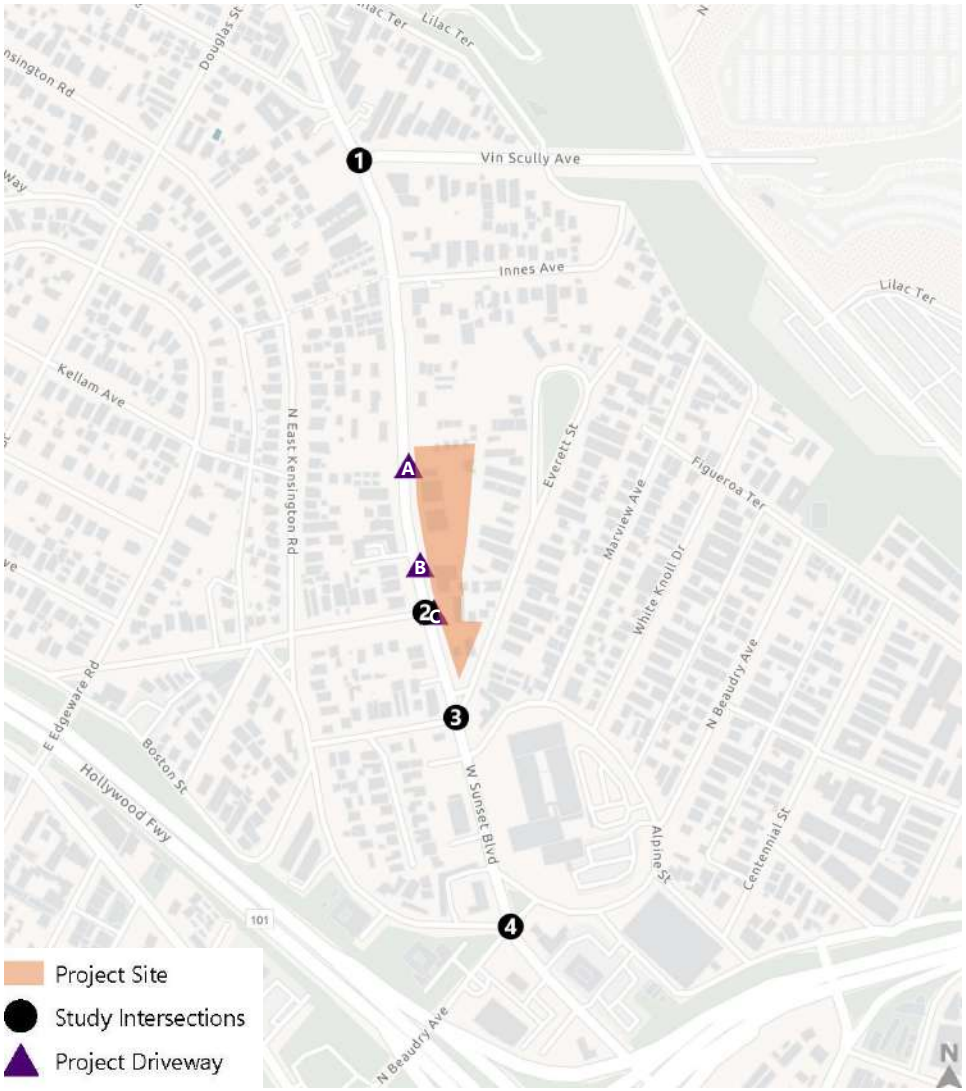
	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**4,100**	**4,100**
Total Home Based Work Attraction VMT	**255**	**255**
Total Home Based VMT Per Capita	**5.3**	**5.3**
Total Work Based VMT Per Employee	**N/A**	**N/A**

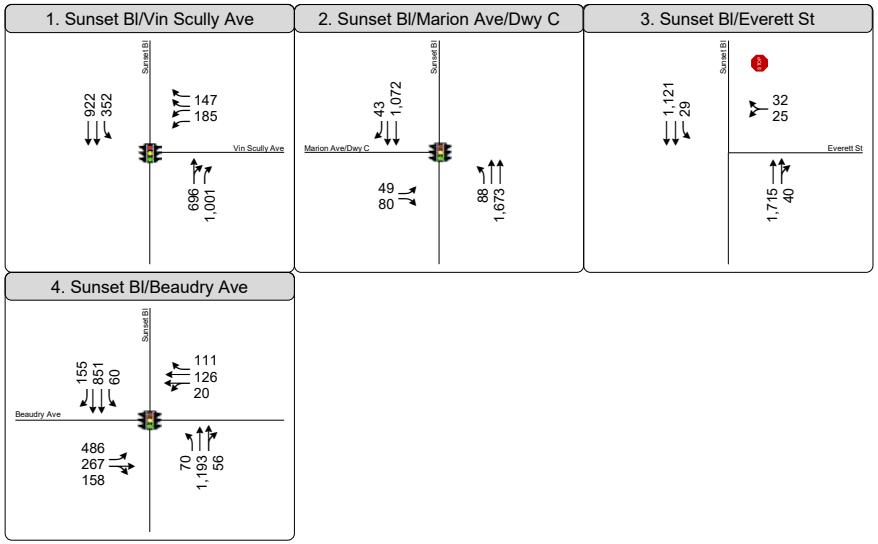
Appendix F:
Intersection Turning Movement Volumes and Lane Configurations



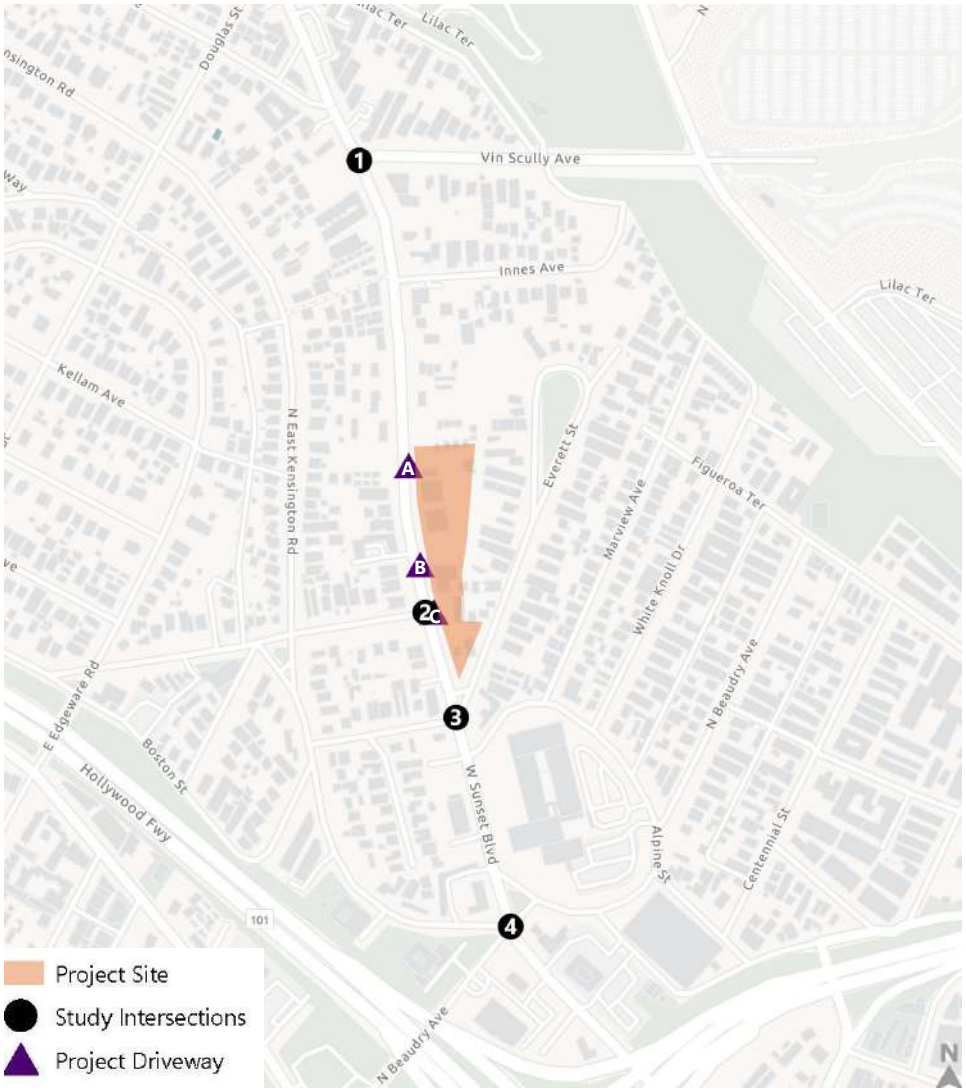


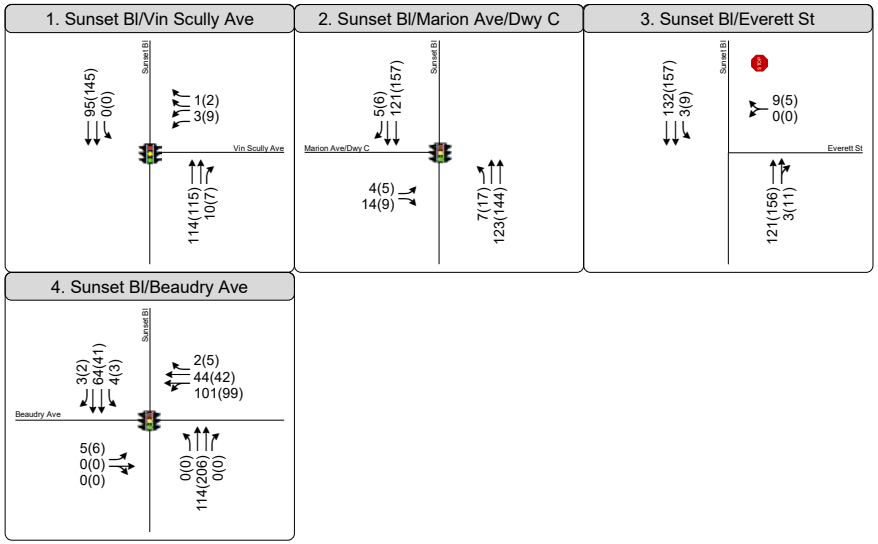
Appendix F
Sunset + Everett Project
Existing Year (2023) Volumes AM(PM)



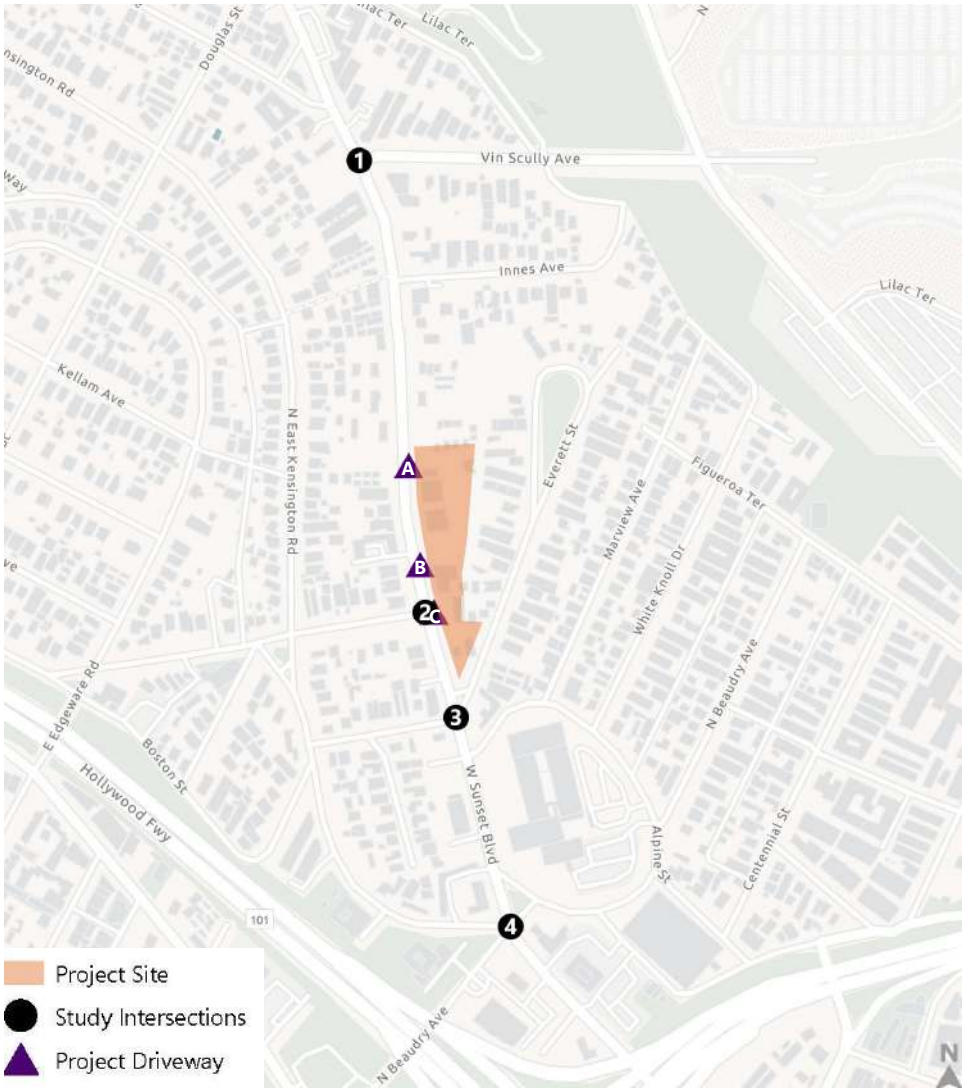


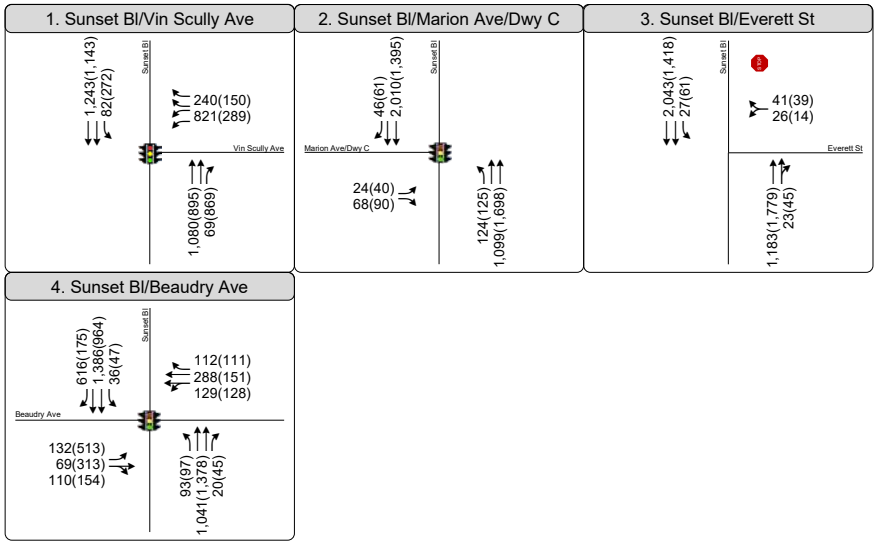
Appendix F
Sunset + Everett Project
Existing Year (2023) Volumes - Dodgers Home Game



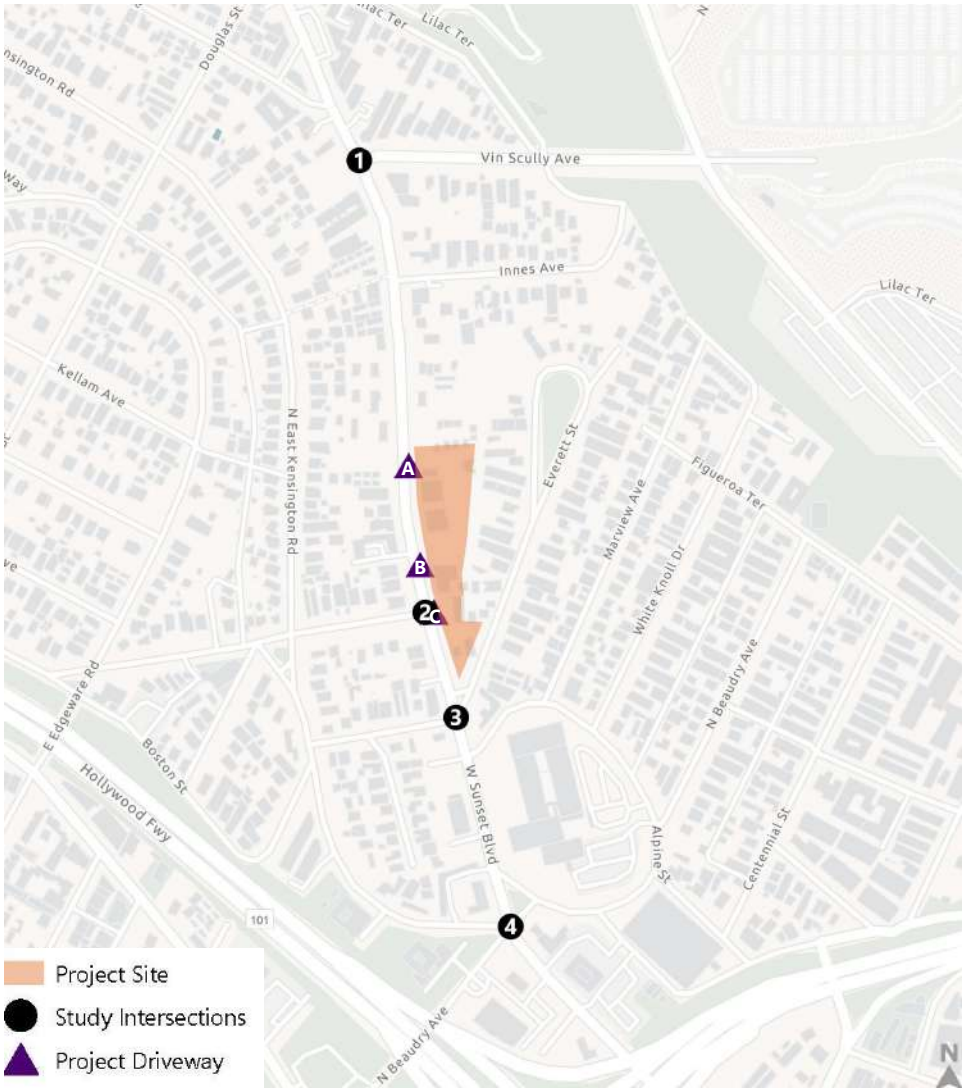


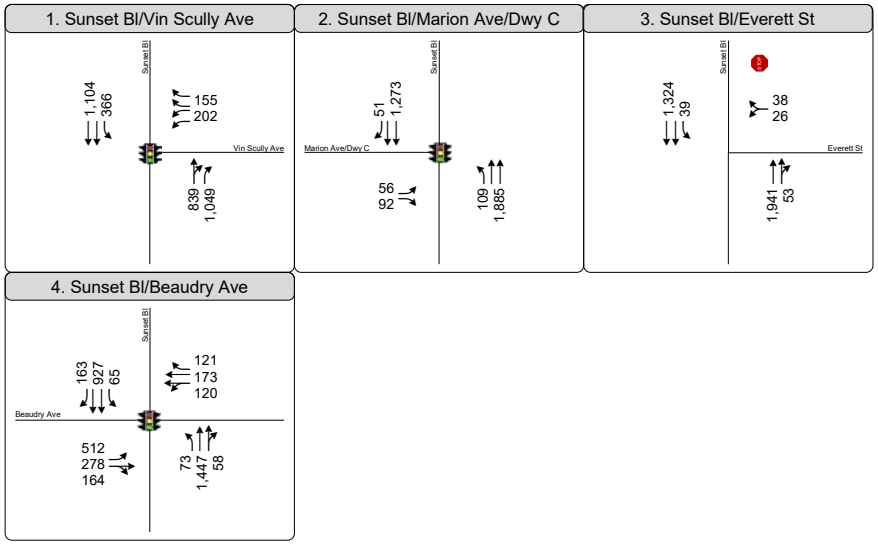
Appendix F
Sunset + Everett Project
Related Projects Volumes AM(PM)



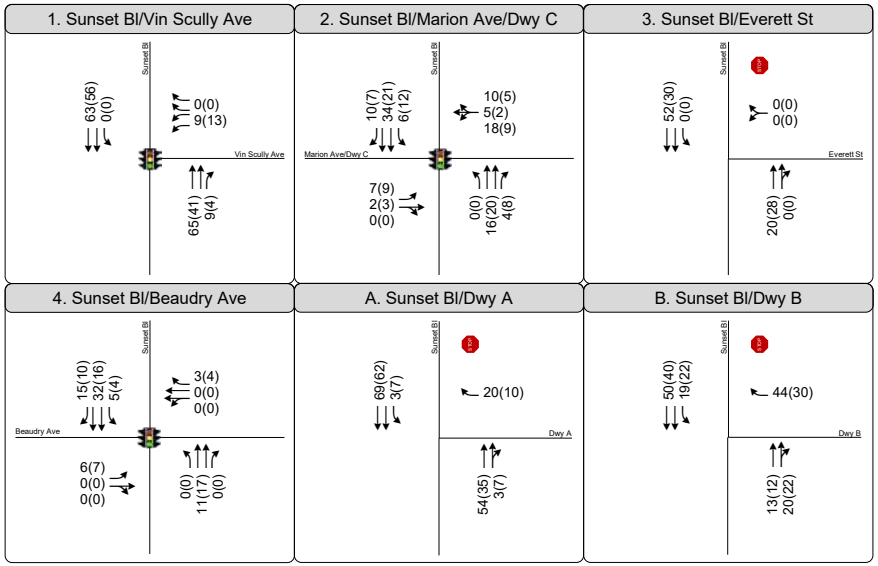


Appendix F
Sunset + Everett Project
Opening Year (2027) No Project Volumes AM(PM)

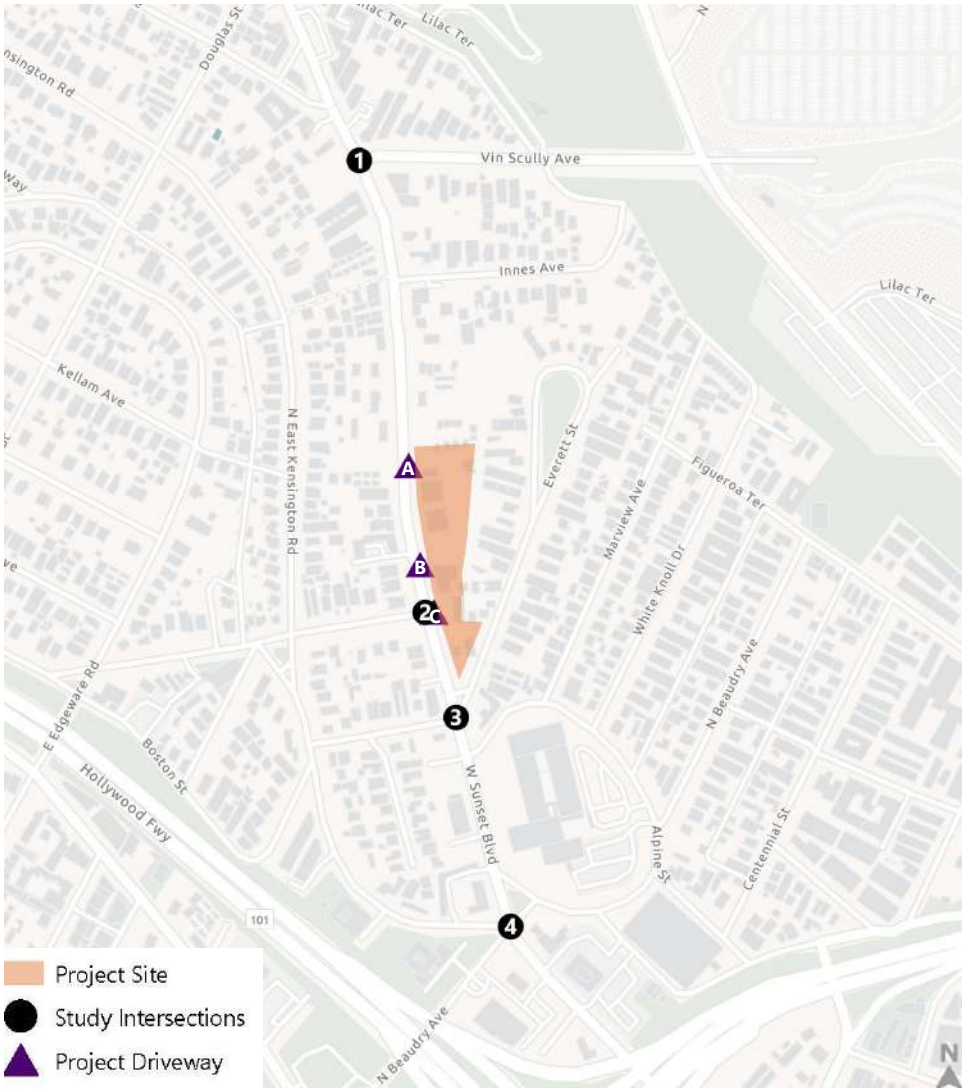


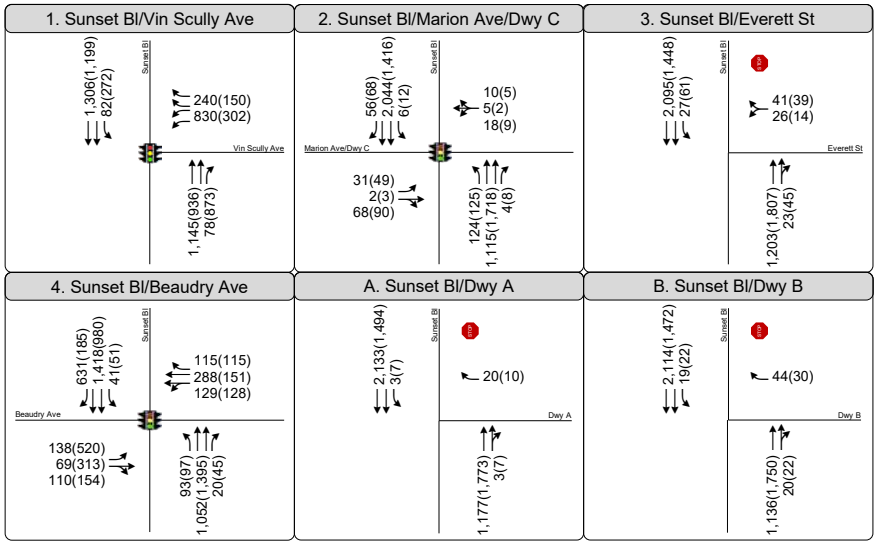


Appendix F
Sunset + Everett Project
Opening Year (2027) No Project Volumes - Dodgers Home Game

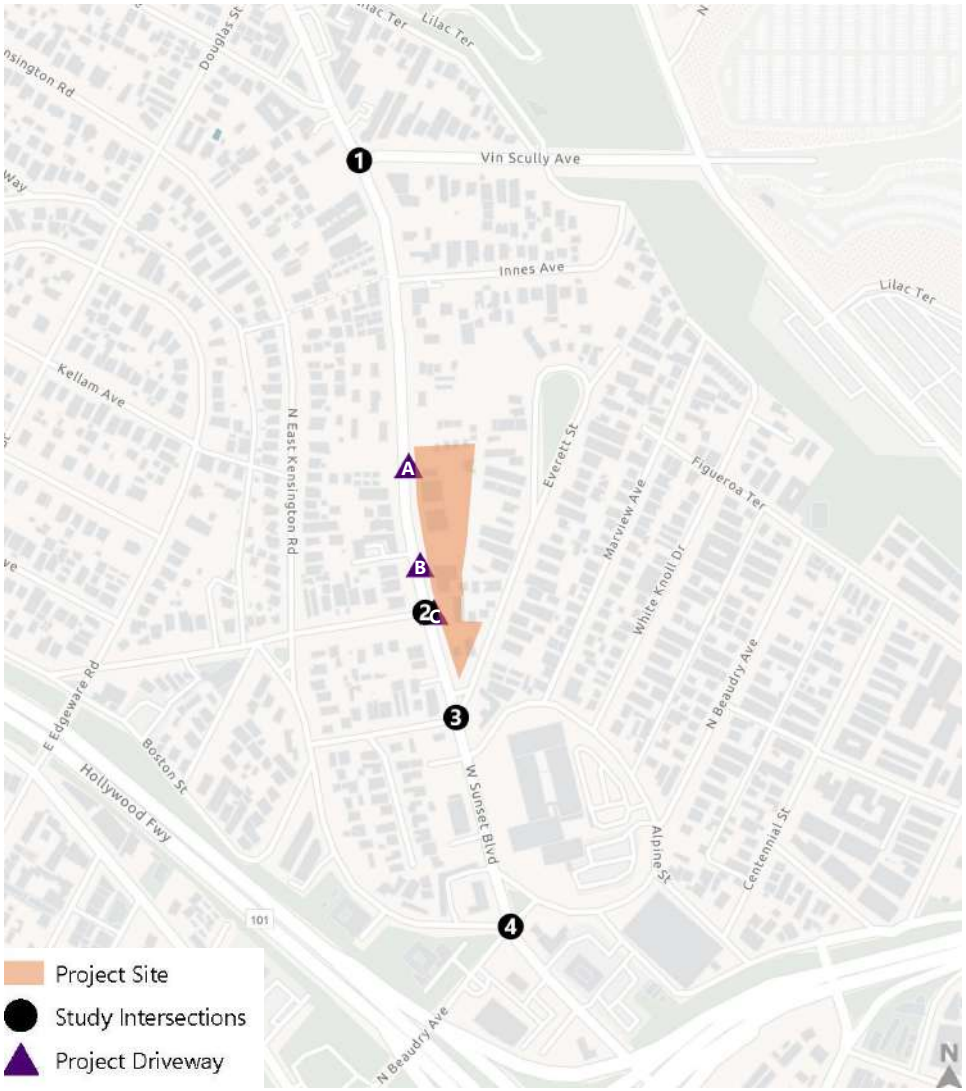


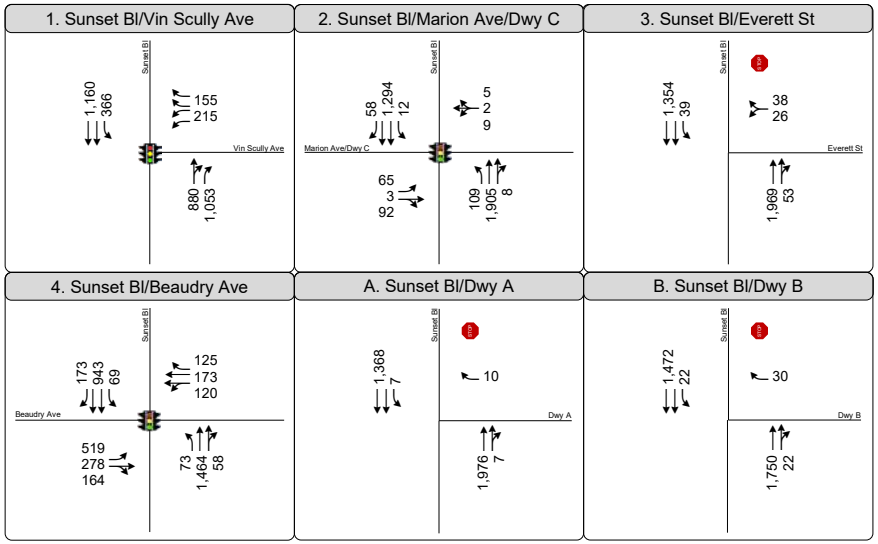
Appendix F
Sunset + Everett Project
Project Only Volumes AM(PM)





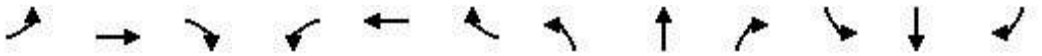
Appendix F
Sunset + Everett Project
Opening Year (2027) With Project Volumes AM(PM)





Appendix F
Sunset + Everett Project
Opening Year (2027) With Project Volumes - Dodgers Home Game

Appendix G:
Intersection and Driveway Queuing Results



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	786	0	230	0	928	57	79	1103	0
Future Volume (veh/h)	0	0	0	786	0	230	0	928	57	79	1103	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	883	0	255	0	1020	54	96	1173	0
Peak Hour Factor	0.92	0.92	0.92	0.89	0.92	0.83	0.92	0.91	0.84	0.82	0.94	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	945	0	0	0	1853	1187	332	2221	0
Arrive On Green	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.52	0.52	0.06	0.62	0.00
Sat Flow, veh/h	0	-65463	0	3456	883		0	3647	1472	1781	3647	0
Grp Volume(v), veh/h	0	0	0	883	57.7		0	1020	54	96	1173	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	E		0	1777	1472	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	29.9			0.0	23.1	0.5	2.8	22.2	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	29.9			0.0	23.1	0.5	2.8	22.2	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	945			0	1853	1187	332	2221	0
V/C Ratio(X)	0.00	0.00	0.00	0.93			0.00	0.55	0.05	0.29	0.53	0.00
Avail Cap(c_a), veh/h	0	304	0	982			0	1853	1187	336	2221	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	42.5			0.0	19.3	0.7	13.7	12.6	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	15.1			0.0	1.2	0.1	0.5	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	14.6			0.0	9.5	0.2	1.1	8.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	57.7			0.0	20.5	0.7	14.1	13.5	0.0
LnGrp LOS	A	A	A	E			A	C	A	B	B	A
Approach Vol, veh/h		0						1074			1269	
Approach Delay, s/veh		0.0						19.5			13.6	
Approach LOS								B			B	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		81.3			12.4	68.9	38.7	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		50.7			* 7	38.0	34.1	19.5				
Max Q Clear Time (g_c+I1), s		24.2			4.8	25.1	31.9	0.0				
Green Ext Time (p_c), s		16.1			0.0	9.1	0.9	0.0				

Intersection Summary												
HCM 6th Ctrl Delay			27.6									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	883	277	1020	68	96	1173
v/c Ratio	0.93	0.25	0.56	0.06	0.33	0.54
Control Delay	58.6	22.5	21.5	0.7	12.2	14.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	58.6	22.5	21.5	0.7	12.2	14.3
Queue Length 50th (ft)	340	71	277	1	28	261
Queue Length 95th (ft)	#445	96	341	6	46	318
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100		100	275	
Base Capacity (vph)	975	1357	1822	1195	293	2163
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.91	0.20	0.56	0.06	0.33	0.54

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	0	52	0	0	0	112	938	0	0	1815	39
Future Volume (veh/h)	19	0	52	0	0	0	112	938	0	0	1815	39
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	36	0	32	0	0	0	160	1009	0	0	2017	37
Peak Hour Factor	0.53	0.92	0.87	0.92	0.92	0.92	0.70	0.93	0.92	0.92	0.90	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	258	0	151	0	187	0	183	2791	0	80	2791	1168
Arrive On Green	0.10	0.00	0.10	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.79	0.79
Sat Flow, veh/h	1781	0	1504	0	1870	0	204	3647	0	559	3554	1487
Grp Volume(v), veh/h	36	0	32	0	0	0	160	1009	0	0	2017	37
Grp Sat Flow(s),veh/h/ln	1781	0	1504	0	1870	0	204	1777	0	559	1777	1487
Q Serve(g_s), s	1.7	0.0	1.8	0.0	0.0	0.0	45.3	0.0	0.0	0.0	25.4	0.5
Cycle Q Clear(g_c), s	1.7	0.0	1.8	0.0	0.0	0.0	70.7	0.0	0.0	0.0	25.4	0.5
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	258	0	151	0	187	0	183	2791	0	80	2791	1168
V/C Ratio(X)	0.14	0.00	0.21	0.00	0.00	0.00	0.88	0.36	0.00	0.00	0.72	0.03
Avail Cap(c_a), veh/h	751	0	566	0	705	0	183	2791	0	80	2791	1168
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	37.2	0.0	37.2	0.0	0.0	0.0	20.8	0.0	0.0	0.0	4.8	2.1
Incr Delay (d2), s/veh	0.2	0.0	0.7	0.0	0.0	0.0	40.2	0.4	0.0	0.0	1.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	0.7	0.0	0.0	0.0	5.4	0.1	0.0	0.0	5.9	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.4	0.0	37.9	0.0	0.0	0.0	61.0	0.4	0.0	0.0	6.5	2.2
LnGrp LOS	D	A	D	A	A	A	E	A	A	A	A	A
Approach Vol, veh/h		68			0			1169			2054	
Approach Delay, s/veh		37.7			0.0			8.7			6.4	
Approach LOS		D						A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		75.9		14.1		75.9		14.1				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		72.7		0.0		27.4		3.8				
Green Ext Time (p_c), s		0.0		0.0		16.9		0.3				

Intersection Summary	
HCM 6th Ctrl Delay	7.8
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	36	60	160	1009	2017	44
v/c Ratio	0.20	0.28	1.60	0.36	0.71	0.04
Control Delay	35.3	23.7	332.9	3.2	9.2	2.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	35.3	23.7	332.9	3.2	9.2	2.8
Queue Length 50th (ft)	19	18	~131	47	212	2
Queue Length 95th (ft)	23	45	#196	132	#665	16
Internal Link Dist (ft)		695		268	263	
Turn Bay Length (ft)			50			150
Base Capacity (vph)	523	598	100	2784	2829	1172
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.07	0.10	1.60	0.36	0.71	0.04

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Intersection	
Int Delay, s/veh	0.8

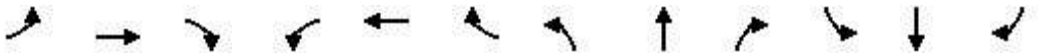
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	25	31	1021	19	23	1836
Future Vol, veh/h	25	31	1021	19	23	1836
Conflicting Peds, #/hr	1	0	0	22	22	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	69	86	91	53	82	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	36	36	1122	36	28	2018

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2228	601	0	0	1180	0
Stage 1	1162	-	-	-	-	-
Stage 2	1066	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 36	443	-	-	588	-
Stage 1	260	-	-	-	-	-
Stage 2	292	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 33	434	-	-	576	-
Mov Cap-2 Maneuver	136	-	-	-	-	-
Stage 1	255	-	-	-	-	-
Stage 2	277	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	31.4	0	0.2
HCM LOS	D		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	207	576	-
HCM Lane V/C Ratio	-	-	0.349	0.049	-
HCM Control Delay (s)	-	-	31.4	11.6	-
HCM Lane LOS	-	-	D	B	-
HCM 95th %tile Q(veh)	-	-	1.5	0.2	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	122	66	106	27	234	106	89	891	19	31	1270	589
Future Volume (veh/h)	122	66	106	27	234	106	89	891	19	31	1270	589
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	0.99		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	161	103	119	36	300	0	124	1048	6	44	1323	554
Peak Hour Factor	0.76	0.64	0.88	0.75	0.78	0.63	0.72	0.85	0.68	0.71	0.96	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	280	213	246	106	791		227	2155	923	316	2155	918
Arrive On Green	0.27	0.27	0.27	0.27	0.27	0.00	0.61	0.61	0.61	1.00	1.00	1.00
Sat Flow, veh/h	1074	785	907	211	2915	1585	243	3554	1522	535	3554	1514
Grp Volume(v), veh/h	161	0	222	167	169	0	124	1048	6	44	1323	554
Grp Sat Flow(s),veh/h/ln	1074	0	1693	1509	1617	1585	243	1777	1522	535	1777	1514
Q Serve(g_s), s	12.9	0.0	9.9	0.3	7.6	0.0	37.0	14.8	0.1	2.3	0.0	0.0
Cycle Q Clear(g_c), s	20.6	0.0	9.9	10.2	7.6	0.0	37.0	14.8	0.1	17.1	0.0	0.0
Prop In Lane	1.00		0.54	0.22		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	280	0	459	458	439		227	2155	923	316	2155	918
V/C Ratio(X)	0.57	0.00	0.48	0.36	0.38		0.55	0.49	0.01	0.14	0.61	0.60
Avail Cap(c_a), veh/h	455	0	735	727	702		227	2155	923	316	2155	918
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	35.0	0.0	27.5	26.3	26.7	0.0	14.3	9.9	7.0	2.3	0.0	0.0
Incr Delay (d2), s/veh	1.9	0.0	0.8	0.5	0.6	0.0	9.1	0.8	0.0	0.9	1.3	2.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	0.0	4.0	2.9	3.0	0.0	2.3	5.2	0.0	0.2	0.4	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	36.9	0.0	28.3	26.8	27.2	0.0	23.4	10.7	7.0	3.2	1.3	2.9
LnGrp LOS	D	A	C	C	C		C	B	A	A	A	A
Approach Vol, veh/h		383			336			1178			1921	
Approach Delay, s/veh		31.9			27.0			12.0			1.8	
Approach LOS		C			C			B			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		59.7		30.3		59.7		30.3				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 40		* 39		* 40		* 39				
Max Q Clear Time (g_c+I1), s		39.0		12.2		19.1		22.6				
Green Ext Time (p_c), s		0.8		2.0		14.8		1.9				

Intersection Summary		
HCM 6th Ctrl Delay		10.2
HCM 6th LOS		B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	161	223	336	168	124	1048	28	44	1323	669
v/c Ratio	0.77	0.57	0.48	0.44	0.66	0.45	0.03	0.16	0.57	0.60
Control Delay	54.5	32.7	31.3	24.3	34.1	9.7	2.8	9.9	8.9	4.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	54.5	32.7	31.3	24.3	34.1	9.7	2.8	9.9	8.9	4.9
Queue Length 50th (ft)	87	105	88	62	38	136	0	7	113	32
Queue Length 95th (ft)	110	97	93	62	#112	227	5	m16	207	138
Internal Link Dist (ft)		213	266			221			703	
Turn Bay Length (ft)				100	100		125	75		300
Base Capacity (vph)	403	743	1341	691	189	2306	946	282	2306	1110
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.30	0.25	0.24	0.66	0.45	0.03	0.16	0.57	0.60

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	269	0	142	0	750	828	261	959	0
Future Volume (veh/h)	0	0	0	269	0	142	0	750	828	261	959	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.93	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	289	0	156	0	773	773	318	1066	0
Peak Hour Factor	0.92	0.92	0.92	0.93	0.92	0.79	0.92	0.97	0.83	0.82	0.90	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	365	0	0	0	2386	1124	385	2817	0
Arrive On Green	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.67	0.67	0.07	0.79	0.00
Sat Flow, veh/h	0	-65463	0	3456	289		0	3647	1433	1781	3647	0
Grp Volume(v), veh/h	0	0	0	289	56.2		0	773	773	318	1066	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	E		0	1777	1433	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	9.8			0.0	11.0	17.1	6.2	10.7	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	9.8			0.0	11.0	17.1	6.2	10.7	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	365			0	2386	1124	385	2817	0
V/C Ratio(X)	0.00	0.00	0.00	0.79			0.00	0.32	0.69	0.83	0.38	0.00
Avail Cap(c_a), veh/h	0	304	0	809			0	2386	1124	511	2817	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	52.4			0.0	8.3	1.9	11.3	3.7	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	3.9			0.0	0.4	3.4	8.2	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	4.4			0.0	4.0	5.6	4.2	3.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	56.2			0.0	8.6	5.4	19.5	4.1	0.0
LnGrp LOS	A	A	A	E			A	A	A	B	A	A
Approach Vol, veh/h		0						1546			1384	
Approach Delay, s/veh		0.0						7.0			7.6	
Approach LOS								A			A	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		101.4			14.6	86.9	18.6	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		56.7			* 17	33.7	28.1	19.5				
Max Q Clear Time (g_c+I1), s		12.7			8.2	19.1	11.8	0.0				
Green Ext Time (p_c), s		19.0			0.7	12.0	0.9	0.0				

Intersection Summary												
HCM 6th Ctrl Delay			11.7									
HCM 6th LOS			B									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	289	180	773	998	318	1066
v/c Ratio	0.38	0.15	0.44	0.83	0.62	0.45
Control Delay	40.9	18.0	21.4	10.5	13.4	10.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	40.9	18.0	21.4	10.5	13.4	10.0
Queue Length 50th (ft)	96	39	207	73	91	192
Queue Length 95th (ft)	138	55	261	117	118	236
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100		100	275	
Base Capacity (vph)	803	1220	1739	1208	518	2359
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.36	0.15	0.44	0.83	0.61	0.45

Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	0	78	0	0	0	104	1493	0	0	1190	53
Future Volume (veh/h)	34	0	78	0	0	0	104	1493	0	0	1190	53
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.93	1.00		1.00	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	40	0	69	0	0	0	128	1697	0	0	1352	51
Peak Hour Factor	0.85	0.92	0.78	0.92	0.92	0.92	0.81	0.88	0.92	0.92	0.88	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	314	0	194	0	246	0	311	2680	0	80	2680	1108
Arrive On Green	0.13	0.00	0.13	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.75
Sat Flow, veh/h	1781	0	1479	0	1870	0	384	3647	0	289	3554	1469
Grp Volume(v), veh/h	40	0	69	0	0	0	128	1697	0	0	1352	51
Grp Sat Flow(s),veh/h/ln	1781	0	1479	0	1870	0	384	1777	0	289	1777	1469
Q Serve(g_s), s	1.8	0.0	3.8	0.0	0.0	0.0	10.8	0.0	0.0	0.0	13.6	0.8
Cycle Q Clear(g_c), s	1.8	0.0	3.8	0.0	0.0	0.0	24.4	0.0	0.0	0.0	13.6	0.8
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	314	0	194	0	246	0	311	2680	0	80	2680	1108
V/C Ratio(X)	0.13	0.00	0.35	0.00	0.00	0.00	0.41	0.63	0.00	0.00	0.50	0.05
Avail Cap(c_a), veh/h	751	0	557	0	705	0	311	2680	0	80	2680	1108
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	34.7	0.0	35.6	0.0	0.0	0.0	2.4	0.0	0.0	0.0	4.4	2.8
Incr Delay (d2), s/veh	0.2	0.0	1.1	0.0	0.0	0.0	4.0	1.2	0.0	0.0	0.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0	1.4	0.0	0.0	0.0	0.5	0.4	0.0	0.0	3.6	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.9	0.0	36.7	0.0	0.0	0.0	6.4	1.2	0.0	0.0	5.1	2.9
LnGrp LOS	C	A	D	A	A	A	A	A	A	A	A	A
Approach Vol, veh/h		109			0			1825			1403	
Approach Delay, s/veh		36.0			0.0			1.5			5.0	
Approach LOS		D						A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		73.1		16.9		73.1		16.9				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		26.4		0.0		15.6		5.8				
Green Ext Time (p_c), s		16.3		0.0		18.9		0.5				

Intersection Summary		
HCM 6th Ctrl Delay		4.1
HCM 6th LOS		A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	40	100	128	1697	1352	68
v/c Ratio	0.21	0.43	0.49	0.62	0.48	0.06
Control Delay	34.3	30.4	14.1	8.2	5.8	2.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.3	30.4	14.1	8.2	5.8	2.2
Queue Length 50th (ft)	21	40	23	195	113	1
Queue Length 95th (ft)	40	73	m52	m362	278	14
Internal Link Dist (ft)		695		268	263	
Turn Bay Length (ft)			50			150
Base Capacity (vph)	523	590	260	2749	2793	1109
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.08	0.17	0.49	0.62	0.48	0.06

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	1.2

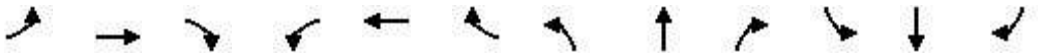
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	13	33	1560	33	50	1212
Future Vol, veh/h	13	33	1560	33	50	1212
Conflicting Peds, #/hr	0	0	0	23	23	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	75	69	91	69	75	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	17	48	1714	48	67	1362

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2576	904	0	0	1785	0
Stage 1	1761	-	-	-	-	-
Stage 2	815	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	21	280	-	-	343	-
Stage 1	123	-	-	-	-	-
Stage 2	396	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 16	274	-	-	335	-
Mov Cap-2 Maneuver	85	-	-	-	-	-
Stage 1	120	-	-	-	-	-
Stage 2	317	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	38.2	0	0.9
HCM LOS	E		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	172	335	-
HCM Lane V/C Ratio	-	-	0.379	0.199	-
HCM Control Delay (s)	-	-	38.2	18.4	-
HCM Lane LOS	-	-	E	C	-
HCM 95th %tile Q(veh)	-	-	1.6	0.7	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	487	301	148	28	105	102	93	1126	43	42	887	166
Future Volume (veh/h)	487	301	148	28	105	102	93	1126	43	42	887	166
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.99	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	609	358	174	36	115	0	104	1325	32	72	986	-80
Peak Hour Factor	0.80	0.84	0.82	0.78	0.91	0.73	0.89	0.85	0.72	0.58	0.90	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	592	528	257	259	720		293	1536	644	118	1536	663
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.00	0.43	0.43	0.43	0.86	0.86	0.00
Sat Flow, veh/h	1271	1185	576	402	1617	1585	614	3554	1490	401	3554	1534
Grp Volume(v), veh/h	609	0	532	36	115	0	104	1325	32	72	986	-80
Grp Sat Flow(s),veh/h/ln	1271	0	1761	402	1617	1585	614	1777	1490	401	1777	1534
Q Serve(g_s), s	36.3	0.0	21.6	3.1	3.8	0.0	12.0	30.4	1.1	8.5	7.6	0.0
Cycle Q Clear(g_c), s	40.1	0.0	21.6	24.7	3.8	0.0	19.6	30.4	1.1	38.9	7.6	0.0
Prop In Lane	1.00		0.33	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	592	0	785	259	720		293	1536	644	118	1536	663
V/C Ratio(X)	1.03	0.00	0.68	0.14	0.16		0.35	0.86	0.05	0.61	0.64	-0.12
Avail Cap(c_a), veh/h	592	0	785	259	720		293	1536	644	118	1536	663
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	29.3	0.0	19.8	29.6	14.9	0.0	23.1	23.1	14.8	23.3	4.0	0.0
Incr Delay (d2), s/veh	44.4	0.0	2.4	0.2	0.1	0.0	3.3	6.6	0.1	21.3	2.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	20.4	0.0	8.9	0.7	1.4	0.0	1.9	13.1	0.4	2.0	1.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	73.7	0.0	22.2	29.9	15.0	0.0	26.4	29.8	15.0	44.6	6.1	0.0
LnGrp LOS	F	A	C	C	B		C	C	B	D	A	A
Approach Vol, veh/h		1141			151			1461			978	
Approach Delay, s/veh		49.7			18.5			29.2			9.4	
Approach LOS		D			B			C			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		44.0		46.0		44.0		46.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 39		* 40		* 39		* 40				
Max Q Clear Time (g_c+I1), s		32.4		26.7		40.9		42.1				
Green Ext Time (p_c), s		5.6		0.7		0.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	29.8
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

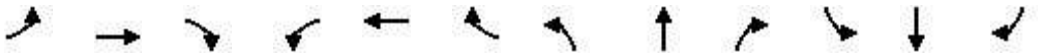
Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	609	538	151	140	104	1325	60	72	986	177
v/c Ratio	1.14	0.67	0.12	0.20	0.74	0.87	0.09	0.88	0.64	0.24
Control Delay	108.7	23.4	15.0	13.3	56.0	30.7	8.4	92.7	18.2	1.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	108.7	23.4	15.0	13.3	56.0	30.7	8.4	92.7	18.2	1.7
Queue Length 50th (ft)	~407	219	25	38	48	348	8	37	232	2
Queue Length 95th (ft)	#507	298	44	57	#140	404	22	#61	123	12
Internal Link Dist (ft)		213	266			221			703	
Turn Bay Length (ft)				100	100		125	75		300
Base Capacity (vph)	536	801	1212	699	140	1529	633	82	1529	737
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.14	0.67	0.12	0.20	0.74	0.87	0.09	0.88	0.64	0.24

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	185	0	147	0	696	1001	352	922	0
Future Volume (veh/h)	0	0	0	185	0	147	0	696	1001	352	922	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	231	0	144	0	872	831	463	1036	0
Peak Hour Factor	0.92	0.92	0.92	0.80	0.92	0.90	0.92	0.93	0.89	0.76	0.89	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	262	0	0	0	1195	1096	395	2923	0
Arrive On Green	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.64	0.64	0.14	0.82	0.00
Sat Flow, veh/h	0	-65463	0	3456	231		0	1870	1527	1781	3647	0
Grp Volume(v), veh/h	0	0	0	231	82.4		0	872	831	463	1036	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	F		0	1870	1527	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	7.9			0.0	37.8	26.3	16.3	8.8	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	7.9			0.0	37.8	26.3	16.3	8.8	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	262			0	1195	1096	395	2923	0
V/C Ratio(X)	0.00	0.00	0.00	0.88			0.00	0.73	0.76	1.17	0.35	0.00
Avail Cap(c_a), veh/h	0	304	0	262			0	1195	1096	395	2923	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	54.9			0.0	14.6	4.4	34.4	2.7	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	27.5			0.0	3.9	4.9	101.0	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	4.5			0.0	15.9	7.4	22.7	2.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	82.4			0.0	18.6	9.3	135.5	3.0	0.0
LnGrp LOS	A	A	A	F			A	B	A	F	A	A
Approach Vol, veh/h		0						1703			1499	
Approach Delay, s/veh		0.0						14.1			43.9	
Approach LOS								B			D	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		105.0			22.0	83.0	15.0	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		75.7			* 16	53.7	9.1	19.5				
Max Q Clear Time (g_c+I1), s		10.8			18.3	39.8	9.9	0.0				
Green Ext Time (p_c), s		20.8			0.0	12.3	0.0	0.0				

Intersection Summary		
HCM 6th Ctrl Delay	31.7	
HCM 6th LOS	C	

Notes

User approved volume balancing among the lanes for turning movement.

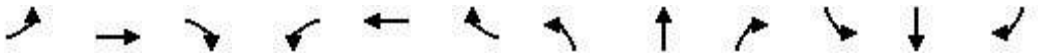
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	231	163	996	877	463	1036
v/c Ratio	0.87	0.19	0.93	0.74	1.37	0.36
Control Delay	85.2	6.1	34.8	6.1	211.4	3.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	85.2	6.1	34.8	6.1	211.4	3.1
Queue Length 50th (ft)	93	1	656	52	~394	82
Queue Length 95th (ft)	#125	30	#1047	122	#455	105
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100			275	
Base Capacity (vph)	265	877	1075	1187	339	2859
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.87	0.19	0.93	0.74	1.37	0.36

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	49	0	80	0	0	0	88	1673	0	0	1072	43
Future Volume (veh/h)	49	0	80	0	0	0	88	1673	0	0	1072	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		1.00	1.00		1.00	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	52	0	64	0	0	0	113	1780	0	0	1218	36
Peak Hour Factor	0.94	0.92	0.77	0.92	0.92	0.92	0.78	0.94	0.92	0.92	0.88	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	318	0	200	0	250	0	355	2671	0	80	2671	1098
Arrive On Green	0.13	0.00	0.13	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.75
Sat Flow, veh/h	1781	0	1496	0	1870	0	442	3647	0	267	3554	1460
Grp Volume(v), veh/h	52	0	64	0	0	0	113	1780	0	0	1218	36
Grp Sat Flow(s),veh/h/ln	1781	0	1496	0	1870	0	442	1777	0	267	1777	1460
Q Serve(g_s), s	2.3	0.0	3.5	0.0	0.0	0.0	6.0	0.0	0.0	0.0	11.7	0.6
Cycle Q Clear(g_c), s	2.3	0.0	3.5	0.0	0.0	0.0	17.7	0.0	0.0	0.0	11.7	0.6
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	318	0	200	0	250	0	355	2671	0	80	2671	1098
V/C Ratio(X)	0.16	0.00	0.32	0.00	0.00	0.00	0.32	0.67	0.00	0.00	0.46	0.03
Avail Cap(c_a), veh/h	751	0	564	0	705	0	355	2671	0	80	2671	1098
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	0.0	35.3	0.0	0.0	0.0	1.5	0.0	0.0	0.0	4.2	2.8
Incr Delay (d2), s/veh	0.2	0.0	0.9	0.0	0.0	0.0	2.3	1.3	0.0	0.0	0.6	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	0.0	1.3	0.0	0.0	0.0	0.3	0.5	0.0	0.0	3.1	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	35.0	0.0	36.2	0.0	0.0	0.0	3.9	1.3	0.0	0.0	4.8	2.9
LnGrp LOS	D	A	D	A	A	A	A	A	A	A	A	A
Approach Vol, veh/h		116			0			1893			1254	
Approach Delay, s/veh		35.7			0.0			1.5			4.7	
Approach LOS		D						A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		72.9		17.1		72.9		17.1				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		19.7		0.0		13.7		5.5				
Green Ext Time (p_c), s		21.3		0.0		17.4		0.5				

Intersection Summary	
HCM 6th Ctrl Delay	3.9
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	52	104	113	1780	1218	48
v/c Ratio	0.23	0.37	0.39	0.66	0.45	0.05
Control Delay	31.8	24.1	12.5	10.5	6.8	2.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.8	24.1	12.5	10.5	6.8	2.6
Queue Length 50th (ft)	28	37	22	221	93	1
Queue Length 95th (ft)	52	71	m42	m405	237	13
Internal Link Dist (ft)		695		268	263	
Turn Bay Length (ft)			50			150
Base Capacity (vph)	526	595	290	2700	2700	1050
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.10	0.17	0.39	0.66	0.45	0.05

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	2.2

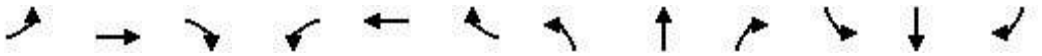
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	25	32	1715	40	29	1121
Future Vol, veh/h	25	32	1715	40	29	1121
Conflicting Peds, #/hr	0	0	0	29	29	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	72	53	96	71	81	87
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	35	60	1786	56	36	1289

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2560	950	0	0	1871	0
Stage 1	1843	-	-	-	-	-
Stage 2	717	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 22	261	-	-	318	-
Stage 1	111	-	-	-	-	-
Stage 2	445	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 19	254	-	-	309	-
Mov Cap-2 Maneuver	83	-	-	-	-	-
Stage 1	108	-	-	-	-	-
Stage 2	393	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	67.8	0	0.5
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	145	309	-
HCM Lane V/C Ratio	-	-	0.656	0.116	-
HCM Control Delay (s)	-	-	67.8	18.2	-
HCM Lane LOS	-	-	F	C	-
HCM 95th %tile Q(veh)	-	-	3.6	0.4	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	486	267	158	20	126	111	70	1193	56	60	851	155
Future Volume (veh/h)	486	267	158	20	126	111	70	1193	56	60	851	155
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	546	310	182	28	175	0	96	1340	62	88	896	-20
Peak Hour Factor	0.89	0.86	0.86	0.71	0.72	0.87	0.73	0.89	0.88	0.68	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	531	466	274	152	925		337	1569	72	121	1615	697
Arrive On Green	0.42	0.42	0.42	0.42	0.42	0.00	0.45	0.45	0.45	0.91	0.91	0.00
Sat Flow, veh/h	1204	1101	646	229	2184	1585	631	3454	159	384	3554	1534
Grp Volume(v), veh/h	546	0	492	77	126	0	96	688	714	88	896	-20
Grp Sat Flow(s),veh/h/ln	1204	0	1747	797	1617	1585	631	1777	1836	384	1777	1534
Q Serve(g_s), s	33.7	0.0	20.3	1.0	4.4	0.0	9.6	31.0	31.2	9.7	4.2	0.0
Cycle Q Clear(g_c), s	38.1	0.0	20.3	21.4	4.4	0.0	13.7	31.0	31.2	40.9	4.2	0.0
Prop In Lane	1.00		0.37	0.37		1.00	1.00		0.09	1.00		1.00
Lane Grp Cap(c), veh/h	531	0	740	392	684		337	807	834	121	1615	697
V/C Ratio(X)	1.03	0.00	0.67	0.20	0.18		0.28	0.85	0.86	0.73	0.55	-0.03
Avail Cap(c_a), veh/h	531	0	740	392	684		337	807	834	121	1615	697
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	30.7	0.0	20.8	17.3	16.2	0.0	18.6	21.9	21.9	22.3	2.4	0.0
Incr Delay (d2), s/veh	46.6	0.0	2.3	0.2	0.1	0.0	2.1	11.0	10.9	31.3	1.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.6	0.0	8.4	0.9	1.6	0.0	1.5	14.3	14.8	2.7	1.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	77.3	0.0	23.1	17.5	16.4	0.0	20.7	32.9	32.8	53.5	3.8	0.0
LnGrp LOS	F	A	C	B	B		C	C	C	D	A	A
Approach Vol, veh/h		1038			203			1498			964	
Approach Delay, s/veh		51.6			16.8			32.1			8.4	
Approach LOS		D			B			C			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		46.0		44.0		46.0		44.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 41		* 38		* 41		* 38				
Max Q Clear Time (g_c+I1), s		33.2		23.4		42.9		40.1				
Green Ext Time (p_c), s		6.5		0.9		0.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	30.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	546	494	203	128	96	1404	88	896	163
v/c Ratio	1.13	0.65	0.16	0.19	0.51	0.88	1.06	0.56	0.21
Control Delay	107.5	23.6	16.5	13.9	29.5	30.2	140.0	14.9	1.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	107.5	23.6	16.5	13.9	29.5	30.2	140.0	14.9	1.6
Queue Length 50th (ft)	~362	199	36	35	38	367	~52	195	3
Queue Length 95th (ft)	#549	287	46	69	67	#461	#104	109	10
Internal Link Dist (ft)		213	64			221		703	
Turn Bay Length (ft)				100	100		75		300
Base Capacity (vph)	485	761	1281	665	187	1595	83	1608	760
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.13	0.65	0.16	0.19	0.51	0.88	1.06	0.56	0.21

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	821	0	240	0	1080	69	82	1243	0
Future Volume (veh/h)	0	0	0	821	0	240	0	1080	69	82	1243	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	922	0	266	0	1187	68	100	1322	0
Peak Hour Factor	0.92	0.92	0.92	0.89	0.92	0.83	0.92	0.91	0.84	0.82	0.94	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	924	0	0	0	1873	1186	288	2242	0
Arrive On Green	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.53	0.53	0.06	0.63	0.00
Sat Flow, veh/h	0	-65463	0	3456	922		0	3647	1472	1781	3647	0
Grp Volume(v), veh/h	0	0	0	922	72.8		0	1187	68	100	1322	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	E		0	1777	1472	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	32.0			0.0	28.5	0.6	2.9	26.2	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	32.0			0.0	28.5	0.6	2.9	26.2	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	924			0	1873	1186	288	2242	0
V/C Ratio(X)	0.00	0.00	0.00	1.00			0.00	0.63	0.06	0.35	0.59	0.00
Avail Cap(c_a), veh/h	0	304	0	924			0	1873	1186	292	2242	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	43.9			0.0	20.1	0.7	15.2	13.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	28.9			0.0	1.6	0.1	0.7	1.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	17.2			0.0	11.7	0.3	1.1	10.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	72.8			0.0	21.8	0.8	15.9	14.2	0.0
LnGrp LOS	A	A	A	E			A	C	A	B	B	A
Approach Vol, veh/h		0						1255			1422	
Approach Delay, s/veh		0.0						20.7			14.3	
Approach LOS								C			B	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		82.0			12.5	69.5	38.0	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		52.7			* 7	40.0	32.1	19.5				
Max Q Clear Time (g_c+I1), s		28.2			4.9	30.5	34.0	0.0				
Green Ext Time (p_c), s		17.1			0.0	7.7	0.0	0.0				

Intersection Summary												
HCM 6th Ctrl Delay			31.5									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	922	289	1187	82	100	1322
v/c Ratio	1.00	0.27	0.64	0.07	0.40	0.60
Control Delay	74.8	23.7	22.4	0.8	13.4	14.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.4
Total Delay	74.8	23.7	22.4	0.8	13.4	15.0
Queue Length 50th (ft)	~372	77	333	2	28	298
Queue Length 95th (ft)	#502	103	405	8	45	362
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100		100	275	
Base Capacity (vph)	918	1312	1857	1184	248	2197
Starvation Cap Reductn	0	0	0	0	0	380
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.00	0.22	0.64	0.07	0.40	0.73

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	24	0	68	0	0	0	124	1099	0	0	2010	46
Future Volume (veh/h)	24	0	68	0	0	0	124	1099	0	0	2010	46
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	45	0	50	0	0	0	177	1182	0	0	2233	45
Peak Hour Factor	0.53	0.92	0.87	0.92	0.92	0.92	0.70	0.93	0.92	0.92	0.90	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	271	0	161	0	200	0	146	2767	0	80	2767	1158
Arrive On Green	0.11	0.00	0.11	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.78	0.78
Sat Flow, veh/h	1781	0	1508	0	1870	0	164	3647	0	474	3554	1487
Grp Volume(v), veh/h	45	0	50	0	0	0	177	1182	0	0	2233	45
Grp Sat Flow(s),veh/h/ln	1781	0	1508	0	1870	0	164	1777	0	474	1777	1487
Q Serve(g_s), s	2.1	0.0	2.8	0.0	0.0	0.0	36.4	0.0	0.0	0.0	33.7	0.6
Cycle Q Clear(g_c), s	2.1	0.0	2.8	0.0	0.0	0.0	70.1	0.0	0.0	0.0	33.7	0.6
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	271	0	161	0	200	0	146	2767	0	80	2767	1158
V/C Ratio(X)	0.17	0.00	0.31	0.00	0.00	0.00	1.21	0.43	0.00	0.00	0.81	0.04
Avail Cap(c_a), veh/h	751	0	568	0	705	0	146	2767	0	80	2767	1158
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	36.8	0.0	37.1	0.0	0.0	0.0	26.8	0.0	0.0	0.0	5.9	2.3
Incr Delay (d2), s/veh	0.3	0.0	1.1	0.0	0.0	0.0	142.2	0.5	0.0	0.0	2.6	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	1.1	0.0	0.0	0.0	8.8	0.2	0.0	0.0	8.3	0.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.1	0.0	38.2	0.0	0.0	0.0	169.0	0.5	0.0	0.0	8.6	2.3
LnGrp LOS	D	A	D	A	A	A	F	A	A	A	A	A
Approach Vol, veh/h		95			0			1359			2278	
Approach Delay, s/veh		37.7			0.0			22.4			8.5	
Approach LOS		D						C			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		75.3		14.7		75.3		14.7				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		72.1		0.0		35.7		4.8				
Green Ext Time (p_c), s		0.0		0.0		9.8		0.4				

Intersection Summary		
HCM 6th Ctrl Delay		14.3
HCM 6th LOS		B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	45	78	177	1182	2233	52
v/c Ratio	0.25	0.35	2.11	0.43	0.79	0.04
Control Delay	36.0	27.4	552.1	6.1	11.4	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.0	27.4	552.1	6.1	11.4	3.0
Queue Length 50th (ft)	24	28	~153	62	281	2
Queue Length 95th (ft)	27	57	#217	251	#854	18
Internal Link Dist (ft)		695		268	263	
Turn Bay Length (ft)			50			150
Base Capacity (vph)	523	598	84	2773	2817	1167
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.09	0.13	2.11	0.43	0.79	0.04

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Intersection	
Int Delay, s/veh	1.1

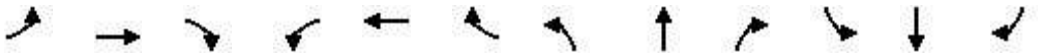
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	41	1183	23	27	2043
Future Vol, veh/h	26	41	1183	23	27	2043
Conflicting Peds, #/hr	1	0	0	22	22	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	69	86	91	53	82	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	38	48	1300	43	33	2245

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2534	694	0	0	1365	0
Stage 1	1344	-	-	-	-	-
Stage 2	1190	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 22	385	-	-	499	-
Stage 1	208	-	-	-	-	-
Stage 2	251	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 20	377	-	-	489	-
Mov Cap-2 Maneuver	109	-	-	-	-	-
Stage 1	204	-	-	-	-	-
Stage 2	234	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	41.5	0	0.2
HCM LOS	E		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	181	489	-
HCM Lane V/C Ratio	-	-	0.472	0.067	-
HCM Control Delay (s)	-	-	41.5	12.9	-
HCM Lane LOS	-	-	E	B	-
HCM 95th %tile Q(veh)	-	-	2.3	0.2	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	132	69	110	129	288	112	93	1041	20	36	1386	616
Future Volume (veh/h)	132	69	110	129	288	112	93	1041	20	36	1386	616
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	0.99		1.00	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	174	108	123	172	369	0	129	1225	4	51	1444	641
Peak Hour Factor	0.76	0.64	0.88	0.75	0.78	0.63	0.72	0.85	0.68	0.71	0.96	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	249	283	322	372	577		183	1852	792	202	1852	787
Arrive On Green	0.36	0.36	0.36	0.36	0.36	0.00	0.52	0.52	0.52	1.00	1.00	1.00
Sat Flow, veh/h	1013	793	904	819	1617	1585	198	3554	1520	453	3554	1511
Grp Volume(v), veh/h	174	0	231	172	369	0	129	1225	4	51	1444	641
Grp Sat Flow(s),veh/h/ln	1013	0	1697	819	1617	1585	198	1777	1520	453	1777	1511
Q Serve(g_s), s	15.0	0.0	9.1	11.9	17.1	0.0	46.9	22.7	0.1	6.2	0.0	0.0
Cycle Q Clear(g_c), s	32.1	0.0	9.1	21.0	17.1	0.0	46.9	22.7	0.1	28.9	0.0	0.0
Prop In Lane	1.00		0.53	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	249	0	605	372	577		183	1852	792	202	1852	787
V/C Ratio(X)	0.70	0.00	0.38	0.46	0.64		0.70	0.66	0.01	0.25	0.78	0.81
Avail Cap(c_a), veh/h	249	0	605	372	577		183	1852	792	202	1852	787
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	37.7	0.0	21.6	29.4	24.1	0.0	26.3	15.7	10.3	7.0	0.0	0.0
Incr Delay (d2), s/veh	8.4	0.0	0.4	0.9	2.4	0.0	20.3	1.9	0.0	3.0	3.3	9.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.4	0.0	3.6	3.3	6.7	0.0	3.9	8.8	0.0	0.6	0.9	2.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.2	0.0	22.0	30.3	26.5	0.0	46.6	17.6	10.4	10.0	3.3	9.0
LnGrp LOS	D	A	C	C	C		D	B	B	A	A	A
Approach Vol, veh/h		405			541			1358			2136	
Approach Delay, s/veh		32.4			27.7			20.4			5.2	
Approach LOS		C			C			C			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		52.0		38.0		52.0		38.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 47		* 32		* 47		* 32				
Max Q Clear Time (g_c+I1), s		48.9		23.0		30.9		34.1				
Green Ext Time (p_c), s		0.0		2.3		13.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	15.1
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	174	233	541	178	129	1225	29	51	1444	700
v/c Ratio	0.91	0.45	0.71	0.37	1.13	0.59	0.03	0.29	0.70	0.72
Control Delay	76.6	24.7	33.3	19.7	152.8	14.6	3.4	11.9	11.5	8.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	76.6	24.7	33.3	19.7	152.8	14.6	3.4	11.9	11.5	8.2
Queue Length 50th (ft)	92	93	139	58	~88	228	0	8	237	37
Queue Length 95th (ft)	#144	95	152	64	#152	296	6	m12	170	112
Internal Link Dist (ft)		213	266			221			703	
Turn Bay Length (ft)				100	100		125	75		300
Base Capacity (vph)	230	618	912	575	114	2059	849	173	2059	971
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.76	0.38	0.59	0.31	1.13	0.59	0.03	0.29	0.70	0.72

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	289	0	150	0	895	869	272	1143	0
Future Volume (veh/h)	0	0	0	289	0	150	0	895	869	272	1143	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.93	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	311	0	167	0	923	845	332	1270	0
Peak Hour Factor	0.92	0.92	0.92	0.93	0.92	0.79	0.92	0.97	0.83	0.82	0.90	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	388	0	0	0	2302	1099	363	2793	0
Arrive On Green	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.65	0.65	0.09	0.79	0.00
Sat Flow, veh/h	0	-65463	0	3456	311		0	3647	1430	1781	3647	0
Grp Volume(v), veh/h	0	0	0	311	55.8		0	923	845	332	1270	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	E		0	1777	1430	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	10.5			0.0	14.8	23.9	8.3	14.3	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	10.5			0.0	14.8	23.9	8.3	14.3	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	388			0	2302	1099	363	2793	0
V/C Ratio(X)	0.00	0.00	0.00	0.80			0.00	0.40	0.77	0.92	0.45	0.00
Avail Cap(c_a), veh/h	0	304	0	809			0	2302	1099	446	2793	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	51.9			0.0	10.0	2.8	19.7	4.3	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	3.9			0.0	0.5	5.2	20.8	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	4.8			0.0	5.6	5.1	8.4	4.2	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	55.8			0.0	10.6	8.0	40.4	4.8	0.0
LnGrp LOS	A	A	A	E			A	B	A	D	A	A
Approach Vol, veh/h		0						1768			1602	
Approach Delay, s/veh		0.0						9.3			12.2	
Approach LOS								A			B	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		100.6			16.6	84.0	19.4	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		56.7			* 17	34.5	28.1	19.5				
Max Q Clear Time (g_c+I1), s		16.3			10.3	25.9	12.5	0.0				
Green Ext Time (p_c), s		22.9			0.5	7.8	1.0	0.0				

Intersection Summary		
HCM 6th Ctrl Delay		14.5
HCM 6th LOS		B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	311	190	923	1047	332	1270
v/c Ratio	0.39	0.16	0.54	0.88	0.75	0.55
Control Delay	40.4	18.2	23.5	13.8	22.5	11.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.3
Total Delay	40.4	18.2	23.5	13.8	22.5	12.1
Queue Length 50th (ft)	105	42	257	107	96	251
Queue Length 95th (ft)	148	59	320	159	144	305
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100		100	275	
Base Capacity (vph)	803	1220	1695	1196	440	2313
Starvation Cap Reductn	0	0	0	0	0	461
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.39	0.16	0.54	0.88	0.75	0.69

Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	0	90	0	0	0	125	1698	0	0	1395	61
Future Volume (veh/h)	40	0	90	0	0	0	125	1698	0	0	1395	61
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.93	1.00		1.00	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	47	0	84	0	0	0	154	1930	0	0	1585	61
Peak Hour Factor	0.85	0.92	0.78	0.92	0.92	0.92	0.81	0.88	0.92	0.92	0.88	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	317	0	197	0	249	0	248	2673	0	80	2673	1105
Arrive On Green	0.13	0.00	0.13	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.75
Sat Flow, veh/h	1781	0	1480	0	1870	0	304	3647	0	231	3554	1469
Grp Volume(v), veh/h	47	0	84	0	0	0	154	1930	0	0	1585	61
Grp Sat Flow(s),veh/h/ln	1781	0	1480	0	1870	0	304	1777	0	231	1777	1469
Q Serve(g_s), s	2.1	0.0	4.7	0.0	0.0	0.0	37.0	0.0	0.0	0.0	17.9	1.0
Cycle Q Clear(g_c), s	2.1	0.0	4.7	0.0	0.0	0.0	55.0	0.0	0.0	0.0	17.9	1.0
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	317	0	197	0	249	0	248	2673	0	80	2673	1105
V/C Ratio(X)	0.15	0.00	0.43	0.00	0.00	0.00	0.62	0.72	0.00	0.00	0.59	0.06
Avail Cap(c_a), veh/h	751	0	557	0	705	0	248	2673	0	80	2673	1105
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	34.7	0.0	35.8	0.0	0.0	0.0	7.3	0.0	0.0	0.0	5.0	2.9
Incr Delay (d2), s/veh	0.2	0.0	1.5	0.0	0.0	0.0	11.2	1.7	0.0	0.0	1.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	1.8	0.0	0.0	0.0	2.0	0.6	0.0	0.0	4.8	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.9	0.0	37.3	0.0	0.0	0.0	18.4	1.7	0.0	0.0	6.0	3.0
LnGrp LOS	C	A	D	A	A	A	B	A	A	A	A	A
Approach Vol, veh/h		131			0			2084			1646	
Approach Delay, s/veh		36.4			0.0			3.0			5.8	
Approach LOS		D						A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		72.9		17.1		72.9		17.1				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		57.0		0.0		19.9		6.7				
Green Ext Time (p_c), s		0.0		0.0		19.7		0.6				

Intersection Summary												
HCM 6th Ctrl Delay			5.3									
HCM 6th LOS			A									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	47	115	154	1930	1585	78
v/c Ratio	0.24	0.48	0.83	0.71	0.57	0.07
Control Delay	34.5	32.1	24.1	9.9	7.0	2.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.5	32.1	24.1	9.9	7.0	2.5
Queue Length 50th (ft)	25	48	52	294	157	3
Queue Length 95th (ft)	45	84	m59	m323	361	17
Internal Link Dist (ft)		695		268	263	
Turn Bay Length (ft)			50			150
Base Capacity (vph)	523	590	186	2730	2774	1102
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.09	0.19	0.83	0.71	0.57	0.07

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	1.7

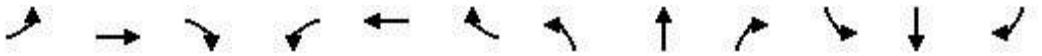
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	14	39	1779	45	61	1418
Future Vol, veh/h	14	39	1779	45	61	1418
Conflicting Peds, #/hr	0	0	0	23	23	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	75	69	91	69	75	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	19	57	1955	65	81	1593

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2970	1033	0	0	2043	0
Stage 1	2011	-	-	-	-	-
Stage 2	959	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 11	230	-	-	272	-
Stage 1	90	-	-	-	-	-
Stage 2	333	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 7	225	-	-	266	-
Mov Cap-2 Maneuver	61	-	-	-	-	-
Stage 1	88	-	-	-	-	-
Stage 2	231	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	60.9	0	1.2
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	135	266	-
HCM Lane V/C Ratio	-	-	0.557	0.306	-
HCM Control Delay (s)	-	-	60.9	24.4	-
HCM Lane LOS	-	-	F	C	-
HCM 95th %tile Q(veh)	-	-	2.8	1.3	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	513	313	154	128	151	111	97	1378	45	47	964	175
Future Volume (veh/h)	513	313	154	128	151	111	97	1378	45	47	964	175
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	641	373	184	164	166	0	109	1621	33	81	1071	-21
Peak Hour Factor	0.80	0.84	0.82	0.78	0.91	0.73	0.89	0.85	0.72	0.58	0.90	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	574	551	272	269	756		227	1457	610	80	1457	629
Arrive On Green	0.47	0.47	0.47	0.47	0.47	0.00	0.41	0.41	0.41	0.82	0.82	0.00
Sat Flow, veh/h	1215	1179	582	403	1617	1585	537	3554	1489	302	3554	1534
Grp Volume(v), veh/h	641	0	557	164	166	0	109	1621	33	81	1071	-21
Grp Sat Flow(s),veh/h/ln	1215	0	1760	403	1617	1585	537	1777	1489	302	1777	1534
Q Serve(g_s), s	36.6	0.0	22.2	16.7	5.5	0.0	16.7	36.9	1.2	0.0	12.3	0.0
Cycle Q Clear(g_c), s	42.1	0.0	22.2	38.9	5.5	0.0	28.9	36.9	1.2	36.9	12.3	0.0
Prop In Lane	1.00		0.33	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	574	0	823	269	756		227	1457	610	80	1457	629
V/C Ratio(X)	1.12	0.00	0.68	0.61	0.22		0.48	1.11	0.05	1.01	0.74	-0.03
Avail Cap(c_a), veh/h	574	0	823	269	756		227	1457	610	80	1457	629
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	29.2	0.0	18.6	33.8	14.2	0.0	29.8	26.6	16.0	26.6	5.9	0.0
Incr Delay (d2), s/veh	73.6	0.0	2.2	4.0	0.1	0.0	7.1	60.8	0.2	104.1	3.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	24.4	0.0	9.0	3.7	2.0	0.0	2.5	26.7	0.4	3.8	2.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	102.9	0.0	20.9	37.8	14.3	0.0	36.9	87.4	16.2	130.7	9.2	0.0
LnGrp LOS	F	A	C	D	B		D	F	B	F	A	A
Approach Vol, veh/h		1198			330			1763			1131	
Approach Delay, s/veh		64.7			26.0			82.9			18.1	
Approach LOS		E			C			F			B	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		42.0		48.0		42.0		48.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 37		* 42		* 37		* 42				
Max Q Clear Time (g_c+I1), s		38.9		40.9		38.9		44.1				
Green Ext Time (p_c), s		0.0		0.3		0.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	57.2
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

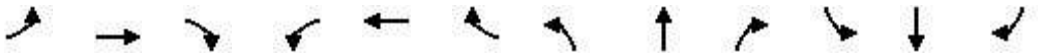
Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	641	561	330	152	109	1621	63	81	1071	186
v/c Ratio	1.35	0.67	0.37	0.21	1.11	1.12	0.10	0.99	0.74	0.26
Control Delay	194.3	22.4	17.0	12.6	155.8	90.2	9.5	119.4	22.5	3.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	194.3	22.4	17.0	12.6	155.8	90.2	9.5	119.4	22.5	3.1
Queue Length 50th (ft)	~481	226	61	40	~71	~563	9	45	271	0
Queue Length 95th (ft)	#579	306	94	59	#173	#634	24	#71	194	31
Internal Link Dist (ft)		213	266			221			703	
Turn Bay Length (ft)				100	100		125	75		300
Base Capacity (vph)	476	836	890	732	98	1450	602	82	1450	714
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.35	0.67	0.37	0.21	1.11	1.12	0.10	0.99	0.74	0.26

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	202	0	155	0	839	1049	366	1104	0
Future Volume (veh/h)	0	0	0	202	0	155	0	839	1049	366	1104	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	252	0	85	0	966	944	482	1240	0
Peak Hour Factor	0.92	0.92	0.92	0.80	0.92	0.90	0.92	0.93	0.89	0.76	0.89	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	262	0	0	0	1211	1109	351	2923	0
Arrive On Green	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.65	0.65	0.13	0.82	0.00
Sat Flow, veh/h	0	-65463	0	3456	252		0	1870	1527	1781	3647	0
Grp Volume(v), veh/h	0	0	0	252	100.2		0	966	944	482	1240	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	F		0	1870	1527	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	8.7			0.0	45.2	34.0	15.3	11.4	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	8.7			0.0	45.2	34.0	15.3	11.4	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	262			0	1211	1109	351	2923	0
V/C Ratio(X)	0.00	0.00	0.00	0.96			0.00	0.80	0.85	1.37	0.42	0.00
Avail Cap(c_a), veh/h	0	304	0	262			0	1211	1109	351	2923	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	55.3			0.0	15.4	4.8	37.9	2.9	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	44.9			0.0	5.5	8.3	185.4	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	5.4			0.0	19.2	9.8	28.4	2.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	100.2			0.0	20.9	13.1	223.2	3.4	0.0
LnGrp LOS	A	A	A	F			A	C	B	F	A	A
Approach Vol, veh/h		0						1910			1722	
Approach Delay, s/veh		0.0						17.1			64.9	
Approach LOS								B			E	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		105.0			21.0	84.0	15.0	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		75.7			* 15	54.7	9.1	19.5				
Max Q Clear Time (g_c+I1), s		13.4			17.3	47.2	10.7	0.0				
Green Ext Time (p_c), s		27.3			0.0	7.2	0.0	0.0				

Intersection Summary		
HCM 6th Ctrl Delay	43.7	
HCM 6th LOS	D	

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	253	172	1102	979	482	1240
v/c Ratio	0.88	0.21	1.01	0.82	1.68	0.44
Control Delay	85.1	14.7	51.7	9.2	349.2	3.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	85.1	14.7	51.7	9.2	349.2	3.8
Queue Length 50th (ft)	102	22	821	81	~498	107
Queue Length 95th (ft)	127	52	#1241	198	#560	155
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100			275	
Base Capacity (vph)	286	842	1092	1198	287	2838
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.88	0.20	1.01	0.82	1.68	0.44

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	56	0	92	0	0	0	109	1885	0	0	1273	51
Future Volume (veh/h)	56	0	92	0	0	0	109	1885	0	0	1273	51
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		1.00	1.00		1.00	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	0	1870	1870	1870
Adj Flow Rate, veh/h	60	0	90	0	0	0	140	2005	0	0	1447	44
Peak Hour Factor	0.94	0.92	0.77	0.92	0.92	0.92	0.78	0.94	0.92	0.92	0.88	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	0	2	2	2
Cap, veh/h	322	0	204	0	254	0	284	2664	0	80	2664	1095
Arrive On Green	0.14	0.00	0.14	0.00	0.00	0.00	1.00	1.00	0.00	0.00	0.75	0.75
Sat Flow, veh/h	1781	0	1498	0	1870	0	353	3647	0	214	3554	1460
Grp Volume(v), veh/h	60	0	90	0	0	0	140	2005	0	0	1447	44
Grp Sat Flow(s),veh/h/ln	1781	0	1498	0	1870	0	353	1777	0	214	1777	1460
Q Serve(g_s), s	2.7	0.0	5.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	15.5	0.7
Cycle Q Clear(g_c), s	2.7	0.0	5.0	0.0	0.0	0.0	32.9	0.0	0.0	0.0	15.5	0.7
Prop In Lane	1.00		1.00	0.00		0.00	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	322	0	204	0	254	0	284	2664	0	80	2664	1095
V/C Ratio(X)	0.19	0.00	0.44	0.00	0.00	0.00	0.49	0.75	0.00	0.00	0.54	0.04
Avail Cap(c_a), veh/h	751	0	564	0	705	0	284	2664	0	80	2664	1095
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	0.0	35.7	0.0	0.0	0.0	3.8	0.0	0.0	0.0	4.8	2.9
Incr Delay (d2), s/veh	0.3	0.0	1.5	0.0	0.0	0.0	6.0	2.0	0.0	0.0	0.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.0	1.9	0.0	0.0	0.0	0.9	0.7	0.0	0.0	4.2	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	35.0	0.0	37.3	0.0	0.0	0.0	9.8	2.0	0.0	0.0	5.6	3.0
LnGrp LOS	D	A	D	A	A	A	A	A	A	A	A	A
Approach Vol, veh/h		150			0			2145			1491	
Approach Delay, s/veh		36.4			0.0			2.5			5.5	
Approach LOS		D						A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		72.7		17.3		72.7		17.3				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		34.9		0.0		17.5		7.0				
Green Ext Time (p_c), s		10.3		0.0		19.3		0.7				

Intersection Summary												
HCM 6th Ctrl Delay			5.0									
HCM 6th LOS			A									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	60	119	140	2005	1447	57
v/c Ratio	0.26	0.43	0.72	0.79	0.57	0.06
Control Delay	32.1	28.4	20.3	13.1	8.5	2.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.1	28.4	20.3	13.1	8.5	2.9
Queue Length 50th (ft)	32	50	40	317	136	2
Queue Length 95th (ft)	58	87	m45	m334	310	16
Internal Link Dist (ft)		695		268	263	
Turn Bay Length (ft)			50			150
Base Capacity (vph)	526	589	194	2539	2539	990
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.11	0.20	0.72	0.79	0.57	0.06

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	4.3

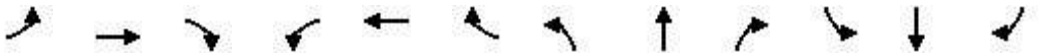
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	38	1941	53	39	1324
Future Vol, veh/h	26	38	1941	53	39	1324
Conflicting Peds, #/hr	0	0	0	29	29	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	72	53	96	71	81	87
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	36	72	2022	75	48	1522

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2946	1078	0	0	2126	0
Stage 1	2089	-	-	-	-	-
Stage 2	857	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 12	214	-	-	252	-
Stage 1	81	-	-	-	-	-
Stage 2	376	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 9	208	-	-	245	-
Mov Cap-2 Maneuver	60	-	-	-	-	-
Stage 1	79	-	-	-	-	-
Stage 2	302	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	140.9	0	0.7
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	114	245	-
HCM Lane V/C Ratio	-	-	0.946	0.197	-
HCM Control Delay (s)	-	-	140.9	23.3	-
HCM Lane LOS	-	-	F	C	-
HCM 95th %tile Q(veh)	-	-	6	0.7	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	512	278	164	120	173	121	73	1447	58	65	927	163
Future Volume (veh/h)	512	278	164	120	173	121	73	1447	58	65	927	163
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	575	323	190	169	240	0	100	1626	65	96	976	-20
Peak Hour Factor	0.89	0.86	0.86	0.71	0.72	0.87	0.73	0.89	0.88	0.68	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	492	503	296	285	738		270	1465	58	80	1496	646
Arrive On Green	0.46	0.46	0.46	0.46	0.46	0.00	0.42	0.42	0.42	0.84	0.84	0.00
Sat Flow, veh/h	1137	1100	647	448	1617	1585	586	3479	138	291	3554	1534
Grp Volume(v), veh/h	575	0	513	169	240	0	100	827	864	96	976	-20
Grp Sat Flow(s),veh/h/ln	1137	0	1748	448	1617	1585	586	1777	1840	291	1777	1534
Q Serve(g_s), s	32.6	0.0	20.3	16.3	8.5	0.0	12.5	37.9	37.9	0.0	8.7	0.0
Cycle Q Clear(g_c), s	41.1	0.0	20.3	36.6	8.5	0.0	21.2	37.9	37.9	37.9	8.7	0.0
Prop In Lane	1.00		0.37	1.00		1.00	1.00		0.08	1.00		1.00
Lane Grp Cap(c), veh/h	492	0	798	285	738		270	748	775	80	1496	646
V/C Ratio(X)	1.17	0.00	0.64	0.59	0.33		0.37	1.11	1.11	1.20	0.65	-0.03
Avail Cap(c_a), veh/h	492	0	798	285	738		270	748	775	80	1496	646
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	31.4	0.0	18.8	32.9	15.6	0.0	24.7	26.1	26.1	26.1	4.8	0.0
Incr Delay (d2), s/veh	96.3	0.0	1.8	3.3	0.3	0.0	3.9	65.6	68.7	164.1	2.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	24.0	0.0	8.1	3.7	3.1	0.0	2.0	28.3	30.0	5.1	2.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	127.7	0.0	20.6	36.2	15.9	0.0	28.6	91.6	94.7	190.1	7.0	0.0
LnGrp LOS	F	A	C	D	B		C	F	F	F	A	A
Approach Vol, veh/h		1088			409			1791			1052	
Approach Delay, s/veh		77.2			24.2			89.6			23.9	
Approach LOS		E			C			F			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		43.0		47.0		43.0		47.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 38		* 41		* 38		* 41				
Max Q Clear Time (g_c+I1), s		39.9		38.6		39.9		43.1				
Green Ext Time (p_c), s		0.0		0.7		0.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	64.4
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	575	514	409	139	100	1692	96	976	172
v/c Ratio	1.36	0.63	0.45	0.19	0.75	1.14	1.17	0.66	0.24
Control Delay	201.5	21.1	18.7	12.7	58.1	99.7	172.6	17.9	2.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	201.5	21.1	18.7	12.7	58.1	99.7	172.6	17.9	2.1
Queue Length 50th (ft)	~434	196	80	37	47	~600	~54	234	0
Queue Length 95th (ft)	#623	281	90	70	#98	#725	#109	141	18
Internal Link Dist (ft)		213	64			221		703	
Turn Bay Length (ft)				100	100		75		300
Base Capacity (vph)	423	819	916	715	134	1480	82	1490	721
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.36	0.63	0.45	0.19	0.75	1.14	1.17	0.66	0.24

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	830	0	240	0	1145	78	82	1306	0
Future Volume (veh/h)	0	0	0	830	0	240	0	1145	78	82	1306	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	933	0	266	0	1258	79	100	1389	0
Peak Hour Factor	0.92	0.92	0.92	0.89	0.92	0.83	0.92	0.91	0.84	0.82	0.94	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	896	0	0	0	1903	1186	275	2271	0
Arrive On Green	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.54	0.54	0.06	0.64	0.00
Sat Flow, veh/h	0	-65463	0	3456	933		0	3647	1473	1781	3647	0
Grp Volume(v), veh/h	0	0	0	933	85.9		0	1258	79	100	1389	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	F		0	1777	1473	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	31.1			0.0	30.6	0.7	2.8	27.8	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	31.1			0.0	30.6	0.7	2.8	27.8	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	896			0	1903	1186	275	2271	0
V/C Ratio(X)	0.00	0.00	0.00	1.04			0.00	0.66	0.07	0.36	0.61	0.00
Avail Cap(c_a), veh/h	0	304	0	896			0	1903	1186	279	2271	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	44.5			0.0	20.0	0.7	15.6	12.8	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	41.5			0.0	1.8	0.1	0.8	1.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	18.3			0.0	12.5	0.3	1.1	10.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	85.9			0.0	21.9	0.8	16.4	14.1	0.0
LnGrp LOS	A	A	A	F			A	C	A	B	B	A
Approach Vol, veh/h		0						1337			1489	
Approach Delay, s/veh		0.0						20.6			14.2	
Approach LOS								C			B	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		83.0			12.5	70.5	37.0	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		53.7			* 7	41.0	31.1	19.5				
Max Q Clear Time (g_c+I1), s		29.8			4.8	32.6	33.1	0.0				
Green Ext Time (p_c), s		17.5			0.0	7.2	0.0	0.0				

Intersection Summary												
HCM 6th Ctrl Delay			34.3									
HCM 6th LOS			C									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	933	289	1258	93	100	1389
v/c Ratio	1.05	0.27	0.67	0.08	0.43	0.62
Control Delay	87.2	24.4	22.5	0.9	13.8	14.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.5
Total Delay	87.2	24.4	22.5	0.9	13.8	15.1
Queue Length 50th (ft)	~405	78	356	3	27	315
Queue Length 95th (ft)	#523	105	433	9	44	382
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100		100	275	
Base Capacity (vph)	889	1289	1887	1184	234	2226
Starvation Cap Reductn	0	0	0	0	0	384
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.05	0.22	0.67	0.08	0.43	0.75

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	31	2	68	18	5	10	124	1115	4	6	2044	56
Future Volume (veh/h)	31	2	68	18	5	10	124	1115	4	6	2044	56
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	0.98		1.00	1.00		0.99	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	58	2	76	20	5	0	177	1199	3	7	2271	55
Peak Hour Factor	0.53	0.92	0.87	0.92	0.92	0.92	0.70	0.93	0.92	0.92	0.90	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	253	4	167	143	28	0	138	2746	1219	439	2746	1149
Arrive On Green	0.11	0.11	0.11	0.11	0.11	0.00	1.00	1.00	1.00	0.77	0.77	0.77
Sat Flow, veh/h	1411	39	1479	632	250	0	156	3554	1577	465	3554	1487
Grp Volume(v), veh/h	58	0	78	25	0	0	177	1199	3	7	2271	55
Grp Sat Flow(s),veh/h/ln	1411	0	1518	882	0	0	156	1777	1577	465	1777	1487
Q Serve(g_s), s	0.0	0.0	4.3	0.9	0.0	0.0	33.4	0.0	0.0	0.3	36.2	0.8
Cycle Q Clear(g_c), s	2.9	0.0	4.3	5.2	0.0	0.0	69.6	0.0	0.0	0.3	36.2	0.8
Prop In Lane	1.00		0.97	0.80		0.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	253	0	171	171	0	0	138	2746	1219	439	2746	1149
V/C Ratio(X)	0.23	0.00	0.46	0.15	0.00	0.00	1.28	0.44	0.00	0.02	0.83	0.05
Avail Cap(c_a), veh/h	626	0	572	535	0	0	138	2746	1219	439	2746	1149
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.7	0.0	37.3	37.9	0.0	0.0	27.8	0.0	0.0	2.4	6.4	2.4
Incr Delay (d2), s/veh	0.5	0.0	1.9	0.4	0.0	0.0	171.8	0.5	0.0	0.1	3.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.0	1.7	0.5	0.0	0.0	9.5	0.2	0.0	0.0	9.3	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	37.2	0.0	39.2	38.3	0.0	0.0	199.6	0.5	0.0	2.4	9.4	2.5
LnGrp LOS	D	A	D	D	A	A	F	A	A	A	A	A
Approach Vol, veh/h		136			25			1379			2333	
Approach Delay, s/veh		38.3			38.3			26.1			9.3	
Approach LOS		D			D			C			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		74.8		15.2		74.8		15.2				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		71.6		7.2		38.2		6.3				
Green Ext Time (p_c), s		0.0		0.1		7.4		0.6				

Intersection Summary		
HCM 6th Ctrl Delay		16.5
HCM 6th LOS		B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	58	80	36	177	1199	4	7	2271	63
v/c Ratio	0.31	0.37	0.17	2.08	0.44	0.00	0.02	0.81	0.05
Control Delay	37.1	37.3	25.5	542.8	6.5	0.8	5.2	12.5	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.1	37.3	25.5	542.8	6.5	0.8	5.2	12.5	3.0
Queue Length 50th (ft)	31	42	13	~151	83	0	1	330	3
Queue Length 95th (ft)	32	71	34	#214	256	m0	7	#877	21
Internal Link Dist (ft)		695	196		268			263	
Turn Bay Length (ft)				50		50	50		150
Base Capacity (vph)	508	585	547	85	2748	1254	314	2792	1158
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.11	0.14	0.07	2.08	0.44	0.00	0.02	0.81	0.05

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	1.1

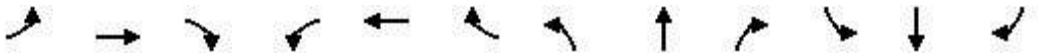
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	41	1203	23	27	2095
Future Vol, veh/h	26	41	1203	23	27	2095
Conflicting Peds, #/hr	1	0	0	22	22	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	69	86	91	53	82	91
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	38	48	1322	43	33	2302

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2584	705	0	0	1387	0
Stage 1	1366	-	-	-	-	-
Stage 2	1218	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 21	379	-	-	490	-
Stage 1	202	-	-	-	-	-
Stage 2	243	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 19	371	-	-	480	-
Mov Cap-2 Maneuver	105	-	-	-	-	-
Stage 1	198	-	-	-	-	-
Stage 2	226	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	43.7	0	0.2
HCM LOS	E		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	175	480	-
HCM Lane V/C Ratio	-	-	0.488	0.069	-
HCM Control Delay (s)	-	-	43.7	13.1	-
HCM Lane LOS	-	-	E	B	-
HCM 95th %tile Q(veh)	-	-	2.4	0.2	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	138	69	110	129	288	115	93	1052	20	41	1418	631
Future Volume (veh/h)	138	69	110	129	288	115	93	1052	20	41	1418	631
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	0.99		1.00	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	182	108	123	172	369	0	129	1238	4	58	1477	658
Peak Hour Factor	0.76	0.64	0.88	0.75	0.78	0.63	0.72	0.85	0.68	0.71	0.96	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	249	283	322	372	577		178	1852	792	199	1852	787
Arrive On Green	0.36	0.36	0.36	0.36	0.36	0.00	0.52	0.52	0.52	1.00	1.00	1.00
Sat Flow, veh/h	1013	793	904	819	1617	1585	188	3554	1520	448	3554	1511
Grp Volume(v), veh/h	182	0	231	172	369	0	129	1238	4	58	1477	658
Grp Sat Flow(s),veh/h/ln	1013	0	1697	819	1617	1585	188	1777	1520	448	1777	1511
Q Serve(g_s), s	15.0	0.0	9.1	11.9	17.1	0.0	46.9	23.0	0.1	7.6	0.0	0.0
Cycle Q Clear(g_c), s	32.1	0.0	9.1	21.0	17.1	0.0	46.9	23.0	0.1	30.7	0.0	0.0
Prop In Lane	1.00		0.53	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	249	0	605	372	577		178	1852	792	199	1852	787
V/C Ratio(X)	0.73	0.00	0.38	0.46	0.64		0.72	0.67	0.01	0.29	0.80	0.84
Avail Cap(c_a), veh/h	249	0	605	372	577		178	1852	792	199	1852	787
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.1	0.0	21.6	29.4	24.1	0.0	27.2	15.8	10.3	7.5	0.0	0.0
Incr Delay (d2), s/veh	10.5	0.0	0.4	0.9	2.4	0.0	22.4	1.9	0.0	3.7	3.7	10.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.7	0.0	3.6	3.3	6.7	0.0	3.9	8.9	0.0	0.7	0.9	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	48.6	0.0	22.0	30.3	26.5	0.0	49.6	17.8	10.4	11.2	3.7	10.2
LnGrp LOS	D	A	C	C	C		D	B	B	B	A	B
Approach Vol, veh/h		413			541			1371			2193	
Approach Delay, s/veh		33.7			27.7			20.7			5.8	
Approach LOS		C			C			C			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		52.0		38.0		52.0		38.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 47		* 32		* 47		* 32				
Max Q Clear Time (g_c+I1), s		48.9		23.0		32.7		34.1				
Green Ext Time (p_c), s		0.0		2.3		12.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	15.5
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	182	233	541	183	129	1238	29	58	1477	717
v/c Ratio	0.93	0.44	0.70	0.37	1.25	0.61	0.03	0.35	0.72	0.74
Control Delay	79.2	24.5	32.5	19.9	198.6	15.1	3.4	13.1	11.9	8.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.2	24.5	32.5	19.9	198.6	15.1	3.4	13.1	11.9	8.8
Queue Length 50th (ft)	95	92	136	59	~95	241	0	10	244	38
Queue Length 95th (ft)	#154	96	152	66	#157	300	6	m13	192	114
Internal Link Dist (ft)		213	266			221			703	
Turn Bay Length (ft)				100	100		125	75		300
Base Capacity (vph)	232	617	913	574	103	2040	841	165	2040	964
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.78	0.38	0.59	0.32	1.25	0.61	0.03	0.35	0.72	0.74

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	20	1177	3	3	2133
Future Vol, veh/h	0	20	1177	3	3	2133
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	0	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	22	1279	3	3	2318

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	641	0	0	1282	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	0	417	-	-	537	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	417	-	-	537	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	14.1	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	417	537	-
HCM Lane V/C Ratio	-	-	0.052	0.006	-
HCM Control Delay (s)	-	-	14.1	11.7	-
HCM Lane LOS	-	-	B	B	-
HCM 95th %tile Q(veh)	-	-	0.2	0	-

Intersection	
Int Delay, s/veh	0.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	44	1136	20	19	2114
Future Vol, veh/h	0	44	1136	20	19	2114
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	0	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	48	1235	22	21	2298

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	629	0	0	1257	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	0	425	-	-	549	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	425	-	-	549	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	14.5	0	0.1
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	425	549	-
HCM Lane V/C Ratio	-	-	0.113	0.038	-
HCM Control Delay (s)	-	-	14.5	11.8	-
HCM Lane LOS	-	-	B	B	-
HCM 95th %tile Q(veh)	-	-	0.4	0.1	-

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	302	0	150	0	936	873	272	1199	0
Future Volume (veh/h)	0	0	0	302	0	150	0	936	873	272	1199	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.93	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	325	0	167	0	965	857	332	1332	0
Peak Hour Factor	0.92	0.92	0.92	0.93	0.92	0.79	0.92	0.97	0.83	0.82	0.90	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	403	0	0	0	2263	1089	362	2778	0
Arrive On Green	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.64	0.64	0.10	0.78	0.00
Sat Flow, veh/h	0	-65463	0	3456	325		0	3647	1429	1781	3647	0
Grp Volume(v), veh/h	0	0	0	325	55.5		0	965	857	332	1332	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	E		0	1777	1429	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	11.0			0.0	16.3	26.1	9.2	15.7	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	11.0			0.0	16.3	26.1	9.2	15.7	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	403			0	2263	1089	362	2778	0
V/C Ratio(X)	0.00	0.00	0.00	0.81			0.00	0.43	0.79	0.92	0.48	0.00
Avail Cap(c_a), veh/h	0	304	0	801			0	2263	1089	433	2778	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	51.7			0.0	10.9	3.2	21.8	4.6	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	3.9			0.0	0.6	5.8	21.9	0.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	5.0			0.0	6.1	5.9	8.4	4.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	55.5			0.0	11.5	8.9	43.8	5.2	0.0
LnGrp LOS	A	A	A	E			A	B	A	D	A	A
Approach Vol, veh/h		0						1822			1664	
Approach Delay, s/veh		0.0						10.3			12.9	
Approach LOS								B			B	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		100.1			17.4	82.7	19.9	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		57.0			* 17	34.8	27.8	19.5				
Max Q Clear Time (g_c+I1), s		17.7			11.2	28.1	13.0	0.0				
Green Ext Time (p_c), s		23.8			0.5	6.3	1.0	0.0				

Intersection Summary												
HCM 6th Ctrl Delay			15.3									
HCM 6th LOS			B									

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	325	190	965	1052	332	1332
v/c Ratio	0.41	0.16	0.57	0.88	0.78	0.57
Control Delay	41.0	18.4	23.8	14.2	25.4	12.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.4
Total Delay	41.0	18.4	23.8	14.2	25.4	12.4
Queue Length 50th (ft)	110	42	272	113	95	267
Queue Length 95th (ft)	154	59	336	166	158	325
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100		100	275	
Base Capacity (vph)	795	1213	1704	1195	427	2322
Starvation Cap Reductn	0	0	0	0	0	453
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.41	0.16	0.57	0.88	0.78	0.71

Intersection Summary

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	49	3	90	9	2	5	125	1718	8	12	1416	68
Future Volume (veh/h)	49	3	90	9	2	5	125	1718	8	12	1416	68
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	0.97		1.00	1.00		0.98	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	58	3	101	10	2	1	154	1952	7	13	1609	68
Peak Hour Factor	0.85	0.92	0.78	0.92	0.92	0.92	0.81	0.88	0.92	0.92	0.88	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	289	6	202	148	27	9	238	2651	1159	248	2651	1095
Arrive On Green	0.14	0.14	0.14	0.14	0.14	0.14	1.00	1.00	1.00	0.75	0.75	0.75
Sat Flow, veh/h	1414	43	1449	554	192	62	295	3554	1554	225	3554	1468
Grp Volume(v), veh/h	58	0	104	13	0	0	154	1952	7	13	1609	68
Grp Sat Flow(s),veh/h/ln	1414	0	1493	808	0	0	295	1777	1554	225	1777	1468
Q Serve(g_s), s	0.0	0.0	5.8	0.1	0.0	0.0	44.1	0.0	0.0	1.4	18.9	1.1
Cycle Q Clear(g_c), s	2.9	0.0	5.8	5.9	0.0	0.0	63.1	0.0	0.0	1.4	18.9	1.1
Prop In Lane	1.00		0.97	0.77		0.08	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	289	0	208	184	0	0	238	2651	1159	248	2651	1095
V/C Ratio(X)	0.20	0.00	0.50	0.07	0.00	0.00	0.65	0.74	0.01	0.05	0.61	0.06
Avail Cap(c_a), veh/h	624	0	562	500	0	0	238	2651	1159	248	2651	1095
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.6	0.0	35.8	33.7	0.0	0.0	8.9	0.0	0.0	3.1	5.3	3.0
Incr Delay (d2), s/veh	0.3	0.0	1.8	0.2	0.0	0.0	12.8	1.9	0.0	0.4	1.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	2.2	0.3	0.0	0.0	2.3	0.7	0.0	0.1	5.1	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	34.9	0.0	37.6	33.9	0.0	0.0	21.7	1.9	0.0	3.5	6.4	3.2
LnGrp LOS	C	A	D	C	A	A	C	A	A	A	A	A
Approach Vol, veh/h		162			13			2113			1690	
Approach Delay, s/veh		36.7			33.9			3.3			6.2	
Approach LOS		D			C			A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		72.3		17.7		72.3		17.7				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		65.1		7.9		20.9		7.8				
Green Ext Time (p_c), s		0.0		0.0		19.6		0.8				

Intersection Summary	
HCM 6th Ctrl Delay	6.0
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	58	118	17	154	1952	9	13	1609	87
v/c Ratio	0.28	0.50	0.08	0.95	0.76	0.01	0.14	0.62	0.08
Control Delay	35.1	37.1	24.3	35.2	11.3	2.4	10.2	8.1	2.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	35.1	37.1	24.3	35.2	11.3	2.4	10.2	8.1	2.5
Queue Length 50th (ft)	30	57	6	59	307	0	2	172	3
Queue Length 95th (ft)	53	94	21	m#87	m324	m0	14	372	18
Internal Link Dist (ft)		695	196		268			263	
Turn Bay Length (ft)				50		50	50		150
Base Capacity (vph)	516	583	562	162	2565	1172	90	2607	1040
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.11	0.20	0.03	0.95	0.76	0.01	0.14	0.62	0.08

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	1.8

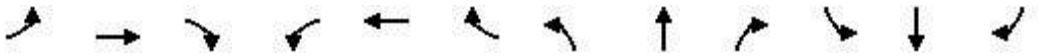
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	14	39	1807	45	61	1448
Future Vol, veh/h	14	39	1807	45	61	1448
Conflicting Peds, #/hr	0	0	0	23	23	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	75	69	91	69	75	89
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	19	57	1986	65	81	1627

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	3018	1049	0	0	2074	0
Stage 1	2042	-	-	-	-	-
Stage 2	976	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 10	224	-	-	265	-
Stage 1	86	-	-	-	-	-
Stage 2	326	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 7	219	-	-	259	-
Mov Cap-2 Maneuver	58	-	-	-	-	-
Stage 1	84	-	-	-	-	-
Stage 2	224	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	65.1	0	1.2
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	130	259	-
HCM Lane V/C Ratio	-	-	0.578	0.314	-
HCM Control Delay (s)	-	-	65.1	25.1	-
HCM Lane LOS	-	-	F	D	-
HCM 95th %tile Q(veh)	-	-	2.9	1.3	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	520	313	154	128	151	115	97	1395	45	51	980	185
Future Volume (veh/h)	520	313	154	128	151	115	97	1395	45	51	980	185
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	650	373	186	164	166	0	109	1641	33	88	1089	-10
Peak Hour Factor	0.80	0.84	0.82	0.78	0.91	0.73	0.89	0.85	0.72	0.58	0.90	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	574	549	274	267	756		220	1457	610	80	1457	629
Arrive On Green	0.47	0.47	0.47	0.47	0.47	0.00	0.41	0.41	0.41	0.82	0.82	0.00
Sat Flow, veh/h	1215	1174	585	400	1617	1585	523	3554	1489	296	3554	1534
Grp Volume(v), veh/h	650	0	559	164	166	0	109	1641	33	88	1089	-10
Grp Sat Flow(s),veh/h/ln	1215	0	1760	400	1617	1585	523	1777	1489	296	1777	1534
Q Serve(g_s), s	36.6	0.0	22.3	16.8	5.5	0.0	17.4	36.9	1.2	0.0	12.8	0.0
Cycle Q Clear(g_c), s	42.1	0.0	22.3	39.1	5.5	0.0	30.2	36.9	1.2	36.9	12.8	0.0
Prop In Lane	1.00		0.33	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	574	0	823	267	756		220	1457	610	80	1457	629
V/C Ratio(X)	1.13	0.00	0.68	0.61	0.22		0.50	1.13	0.05	1.10	0.75	-0.02
Avail Cap(c_a), veh/h	574	0	823	267	756		220	1457	610	80	1457	629
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	29.2	0.0	18.7	33.9	14.2	0.0	30.5	26.6	16.0	26.6	5.9	0.0
Incr Delay (d2), s/veh	79.4	0.0	2.3	4.1	0.1	0.0	7.8	66.3	0.2	130.4	3.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	25.3	0.0	9.0	3.7	2.0	0.0	2.6	27.8	0.4	4.4	2.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	108.6	0.0	20.9	38.1	14.3	0.0	38.3	92.8	16.2	157.0	9.5	0.0
LnGrp LOS	F	A	C	D	B		D	F	B	F	A	A
Approach Vol, veh/h		1209			330			1783			1167	
Approach Delay, s/veh		68.1			26.1			88.1			20.7	
Approach LOS		E			C			F			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		42.0		48.0		42.0		48.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 37		* 42		* 37		* 42				
Max Q Clear Time (g_c+I1), s		38.9		41.1		38.9		44.1				
Green Ext Time (p_c), s		0.0		0.2		0.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	60.6
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	650	561	330	158	109	1641	63	88	1089	197
v/c Ratio	1.37	0.67	0.37	0.22	1.17	1.13	0.10	1.07	0.75	0.27
Control Delay	202.3	22.5	17.0	12.8	177.6	95.6	9.5	141.4	22.3	3.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	202.3	22.5	17.0	12.8	177.6	95.6	9.5	141.4	22.3	3.1
Queue Length 50th (ft)	~492	227	61	42	~75	~575	9	~58	278	0
Queue Length 95th (ft)	#590	307	94	62	#176	#646	24	#78	212	34
Internal Link Dist (ft)		213	266			221			703	
Turn Bay Length (ft)				100	100		125	75		300
Base Capacity (vph)	476	835	890	732	93	1450	602	82	1450	720
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.37	0.67	0.37	0.22	1.17	1.13	0.10	1.07	0.75	0.27

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	10	1773	7	7	1494
Future Vol, veh/h	0	10	1773	7	7	1494
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	0	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	11	1927	8	8	1624

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	968	0	0	1935	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	0	254	-	-	300	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	254	-	-	300	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	19.8	0	0.1
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	254	300	-
HCM Lane V/C Ratio	-	-	0.043	0.025	-
HCM Control Delay (s)	-	-	19.8	17.3	-
HCM Lane LOS	-	-	C	C	-
HCM 95th %tile Q(veh)	-	-	0.1	0.1	-

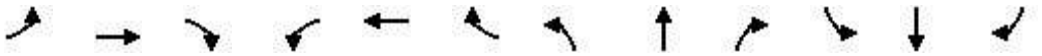
Intersection	
Int Delay, s/veh	0.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	30	1750	22	22	1472
Future Vol, veh/h	0	30	1750	22	22	1472
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	0	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	33	1902	24	24	1600

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	963	0	0	1926	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	0	256	-	-	302	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	256	-	-	302	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	21.1	0	0.3
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	256	302	-
HCM Lane V/C Ratio	-	-	0.127	0.079	-
HCM Control Delay (s)	-	-	21.1	17.9	-
HCM Lane LOS	-	-	C	C	-
HCM 95th %tile Q(veh)	-	-	0.4	0.3	-



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	215	0	155	0	880	1053	366	1160	0
Future Volume (veh/h)	0	0	0	215	0	155	0	880	1053	366	1160	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	0	1870	0	1870	1870	1870	1870	0
Adj Flow Rate, veh/h	0	0	0	269	0	96	0	980	968	482	1303	0
Peak Hour Factor	0.92	0.92	0.92	0.80	0.92	0.90	0.92	0.93	0.89	0.76	0.89	0.92
Percent Heavy Veh, %	2	2	2	2	0	2	0	2	2	2	2	0
Cap, veh/h	0	2	0	262	0	0	0	1211	1109	346	2923	0
Arrive On Green	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.65	0.65	0.13	0.82	0.00
Sat Flow, veh/h	0	-65463	0	3456	269		0	1870	1527	1781	3647	0
Grp Volume(v), veh/h	0	0	0	269	118.1		0	980	968	482	1303	0
Grp Sat Flow(s),veh/h/ln	0	1870	0	1728	F		0	1870	1527	1781	1777	0
Q Serve(g_s), s	0.0	0.0	0.0	9.1			0.0	46.6	36.3	15.3	12.3	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	9.1			0.0	46.6	36.3	15.3	12.3	0.0
Prop In Lane	0.00		0.00	1.00			0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	0	2	0	262			0	1211	1109	346	2923	0
V/C Ratio(X)	0.00	0.00	0.00	1.03			0.00	0.81	0.87	1.39	0.45	0.00
Avail Cap(c_a), veh/h	0	304	0	262			0	1211	1109	346	2923	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00			1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	1.00			0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	55.5			0.0	15.7	5.0	38.5	3.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	62.6			0.0	5.9	9.5	193.9	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0			0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	6.2			0.0	19.8	10.7	28.8	3.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	0.0	0.0	118.1			0.0	21.6	14.6	232.4	3.5	0.0
LnGrp LOS	A	A	A	F			A	C	B	F	A	A
Approach Vol, veh/h		0						1948			1785	
Approach Delay, s/veh		0.0						18.1			65.3	
Approach LOS								B			E	

Timer - Assigned Phs		2			5	6	7	8				
Phs Duration (G+Y+Rc), s		105.0			21.0	84.0	15.0	0.0				
Change Period (Y+Rc), s		6.3			* 5.7	6.3	5.9	3.5				
Max Green Setting (Gmax), s		75.7			* 15	54.7	9.1	19.5				
Max Q Clear Time (g_c+I1), s		14.3			17.3	48.6	11.1	0.0				
Green Ext Time (p_c), s		29.4			0.0	5.9	0.0	0.0				

Intersection Summary		
HCM 6th Ctrl Delay	45.9	
HCM 6th LOS	D	

Notes
User approved volume balancing among the lanes for turning movement.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	269	172	1135	994	482	1303
v/c Ratio	0.92	0.21	1.04	0.83	1.67	0.46
Control Delay	90.1	16.6	60.8	9.9	345.0	4.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.3
Total Delay	90.1	16.6	60.8	9.9	345.0	4.3
Queue Length 50th (ft)	109	27	~987	90	~496	120
Queue Length 95th (ft)	134	56	#1303	216	#558	172
Internal Link Dist (ft)			936			103
Turn Bay Length (ft)		100			275	
Base Capacity (vph)	292	834	1092	1198	288	2831
Starvation Cap Reductn	0	0	0	0	0	761
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.92	0.21	1.04	0.83	1.67	0.63

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	3	92	9	2	5	109	1905	8	12	1294	58
Future Volume (veh/h)	65	3	92	9	2	5	109	1905	8	12	1294	58
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	0.96		1.00	1.00		0.98	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	69	3	100	10	2	2	140	2027	6	13	1470	50
Peak Hour Factor	0.94	0.92	0.77	0.92	0.92	0.92	0.78	0.94	0.92	0.92	0.88	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	288	6	206	144	29	17	274	2647	1152	235	2647	1087
Arrive On Green	0.14	0.14	0.14	0.14	0.14	0.14	1.00	1.00	1.00	0.74	0.74	0.74
Sat Flow, veh/h	1412	44	1465	534	205	123	343	3554	1547	208	3554	1460
Grp Volume(v), veh/h	69	0	103	14	0	0	140	2027	6	13	1470	50
Grp Sat Flow(s),veh/h/ln	1412	0	1509	862	0	0	343	1777	1547	208	1777	1460
Q Serve(g_s), s	0.0	0.0	5.7	0.1	0.0	0.0	19.6	0.0	0.0	1.5	16.2	0.8
Cycle Q Clear(g_c), s	3.6	0.0	5.7	5.7	0.0	0.0	35.8	0.0	0.0	1.5	16.2	0.8
Prop In Lane	1.00		0.97	0.71		0.14	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	288	0	213	190	0	0	274	2647	1152	235	2647	1087
V/C Ratio(X)	0.24	0.00	0.48	0.07	0.00	0.00	0.51	0.77	0.01	0.06	0.56	0.05
Avail Cap(c_a), veh/h	621	0	569	509	0	0	274	2647	1152	235	2647	1087
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	0.0	35.7	33.6	0.0	0.0	4.3	0.0	0.0	3.1	5.0	3.0
Incr Delay (d2), s/veh	0.4	0.0	1.7	0.2	0.0	0.0	6.7	2.2	0.0	0.4	0.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	0.0	2.2	0.3	0.0	0.0	1.1	0.8	0.0	0.1	4.4	0.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	35.2	0.0	37.4	33.8	0.0	0.0	11.0	2.2	0.0	3.6	5.8	3.1
LnGrp LOS	D	A	D	C	A	A	B	A	A	A	A	A
Approach Vol, veh/h		172			14			2173			1533	
Approach Delay, s/veh		36.5			33.8			2.7			5.7	
Approach LOS		D			C			A			A	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		72.2		17.8		72.2		17.8				
Change Period (Y+Rc), s		* 5.2		5.1		* 5.2		5.1				
Max Green Setting (Gmax), s		* 46		33.9		* 46		33.9				
Max Q Clear Time (g_c+I1), s		37.8		7.7		18.2		7.7				
Green Ext Time (p_c), s		7.6		0.0		19.7		0.8				

Intersection Summary	
HCM 6th Ctrl Delay	5.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Lane Group	EBL	EBT	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	69	122	17	140	2027	9	13	1470	64
v/c Ratio	0.29	0.44	0.07	0.76	0.80	0.01	0.16	0.58	0.06
Control Delay	32.9	31.6	22.9	21.9	13.4	2.4	12.5	8.7	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.9	31.6	22.9	21.9	13.4	2.4	12.5	8.7	3.0
Queue Length 50th (ft)	37	57	7	42	328	0	2	146	2
Queue Length 95th (ft)	65	94	22	m46	m334	m0	15	318	18
Internal Link Dist (ft)		695	54		268			263	
Turn Bay Length (ft)				50		50	50		150
Base Capacity (vph)	518	586	569	185	2528	1138	82	2528	988
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.13	0.21	0.03	0.76	0.80	0.01	0.16	0.58	0.06

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.

Intersection	
Int Delay, s/veh	4.5

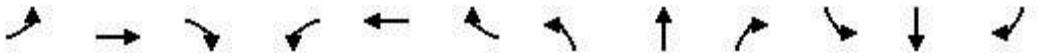
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	26	38	1969	53	39	1354
Future Vol, veh/h	26	38	1969	53	39	1354
Conflicting Peds, #/hr	0	0	0	29	29	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	100	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	72	53	96	71	81	87
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	36	72	2051	75	48	1556

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	2992	1092	0	0	2155	0
Stage 1	2118	-	-	-	-	-
Stage 2	874	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	~ 11	210	-	-	246	-
Stage 1	78	-	-	-	-	-
Stage 2	369	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	~ 9	204	-	-	239	-
Mov Cap-2 Maneuver	58	-	-	-	-	-
Stage 1	76	-	-	-	-	-
Stage 2	295	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	150.2	0	0.7
HCM LOS	F		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	111	239	-
HCM Lane V/C Ratio	-	-	0.971	0.201	-
HCM Control Delay (s)	-	-	150.2	23.8	-
HCM Lane LOS	-	-	F	C	-
HCM 95th %tile Q(veh)	-	-	6.2	0.7	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	519	278	164	120	173	125	73	1464	58	69	943	173
Future Volume (veh/h)	519	278	164	120	173	125	73	1464	58	69	943	173
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	583	323	190	169	240	0	100	1645	65	101	993	-20
Peak Hour Factor	0.89	0.86	0.86	0.71	0.72	0.87	0.73	0.89	0.88	0.68	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	492	503	296	285	738		265	1466	58	80	1496	646
Arrive On Green	0.46	0.46	0.46	0.46	0.46	0.00	0.42	0.42	0.42	0.84	0.84	0.00
Sat Flow, veh/h	1137	1100	647	448	1617	1585	577	3481	137	286	3554	1534
Grp Volume(v), veh/h	583	0	513	169	240	0	100	836	874	101	993	-20
Grp Sat Flow(s),veh/h/ln	1137	0	1748	448	1617	1585	577	1777	1841	286	1777	1534
Q Serve(g_s), s	32.6	0.0	20.3	16.3	8.5	0.0	12.8	37.9	37.9	0.0	9.0	0.0
Cycle Q Clear(g_c), s	41.1	0.0	20.3	36.6	8.5	0.0	21.8	37.9	37.9	37.9	9.0	0.0
Prop In Lane	1.00		0.37	1.00		1.00	1.00		0.07	1.00		1.00
Lane Grp Cap(c), veh/h	492	0	798	285	738		265	748	775	80	1496	646
V/C Ratio(X)	1.19	0.00	0.64	0.59	0.33		0.38	1.12	1.13	1.26	0.66	-0.03
Avail Cap(c_a), veh/h	492	0	798	285	738		265	748	775	80	1496	646
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	31.4	0.0	18.8	32.9	15.6	0.0	25.1	26.1	26.1	26.1	4.8	0.0
Incr Delay (d2), s/veh	102.6	0.0	1.8	3.3	0.3	0.0	4.0	70.0	73.4	186.6	2.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	24.9	0.0	8.1	3.7	3.1	0.0	2.0	29.2	31.0	5.6	2.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	134.0	0.0	20.6	36.2	15.9	0.0	29.1	96.1	99.5	212.7	7.2	0.0
LnGrp LOS	F	A	C	D	B		C	F	F	F	A	A
Approach Vol, veh/h		1096			409			1810			1074	
Approach Delay, s/veh		80.9			24.2			94.0			26.6	
Approach LOS		F			C			F			C	

Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		43.0		47.0		43.0		47.0				
Change Period (Y+Rc), s		* 5.1		* 5.9		* 5.1		* 5.9				
Max Green Setting (Gmax), s		* 38		* 41		* 38		* 41				
Max Q Clear Time (g_c+I1), s		39.9		38.6		39.9		43.1				
Green Ext Time (p_c), s		0.0		0.7		0.0		0.0				

Intersection Summary	
HCM 6th Ctrl Delay	67.7
HCM 6th LOS	E

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Unsignalized Delay for [WBR] is excluded from calculations of the approach delay and intersection delay.

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	583	514	409	144	100	1711	101	993	182
v/c Ratio	1.38	0.63	0.45	0.20	0.78	1.16	1.23	0.67	0.25
Control Delay	209.5	21.2	18.7	12.9	63.4	104.9	193.3	18.2	2.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	209.5	21.2	18.7	12.9	63.4	104.9	193.3	18.2	2.2
Queue Length 50th (ft)	~444	197	80	38	48	~613	~58	240	0
Queue Length 95th (ft)	#634	283	90	72	#101	#737	#115	148	20
Internal Link Dist (ft)		213	64			221		703	
Turn Bay Length (ft)				100	100		75		300
Base Capacity (vph)	423	818	916	715	129	1480	82	1490	726
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.38	0.63	0.45	0.20	0.78	1.16	1.23	0.67	0.25

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Intersection	
Int Delay, s/veh	0.1

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	10	1976	7	7	1368
Future Vol, veh/h	0	10	1976	7	7	1368
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	0	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	11	2148	8	8	1487

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	1078	0	0	2156	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	0	214	-	-	246	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	214	-	-	246	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	22.7	0	0.1
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	214	246	-
HCM Lane V/C Ratio	-	-	0.051	0.031	-
HCM Control Delay (s)	-	-	22.7	20.1	-
HCM Lane LOS	-	-	C	C	-
HCM 95th %tile Q(veh)	-	-	0.2	0.1	-

Intersection	
Int Delay, s/veh	0.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	0	30	1750	22	22	1472
Future Vol, veh/h	0	30	1750	22	22	1472
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	0	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	33	1902	24	24	1600

Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	-	963	0	0	1926	0
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14	-
Critical Hdwy Stg 1	-	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	0	256	-	-	302	-
Stage 1	0	-	-	-	-	-
Stage 2	0	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	-	256	-	-	302	-
Mov Cap-2 Maneuver	-	-	-	-	-	-
Stage 1	-	-	-	-	-	-
Stage 2	-	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	21.1	0	0.3
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT
Capacity (veh/h)	-	-	256	302	-
HCM Lane V/C Ratio	-	-	0.127	0.079	-
HCM Control Delay (s)	-	-	21.1	17.9	-
HCM Lane LOS	-	-	C	C	-
HCM 95th %tile Q(veh)	-	-	0.4	0.3	-

Appendix H:
Intersection Counts: Non-Dodgers Gameday

Prepared by National Data & Surveying Services

Sunset Blvd & Vin Scully Ave

Peak Hour Turning Movement Count

ID: 23-020191-001
City: Los Angeles

Day: Thursday
Date: 05/18/2023

PEAK HOURS

AM: 07:45 AM - 08:45 AM
NOON: NONE
PM: 04:00 PM - 05:00 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	0	1103	79	0	1157	AM
NOON	0	0	0	0	0	NOON
PM	0	959	261	0	892	PM

EASTBOUND (Vin Scully Ave)

AM	NOON	PM
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0

AM NOON PM

WESTBOUND (Vin Scully Ave)

PM	NOON	AM
142	0	230
0	0	0
269	0	786
0	0	0
1089	0	136

PM NOON AM

NORTHBOUND (Sunset Blvd)

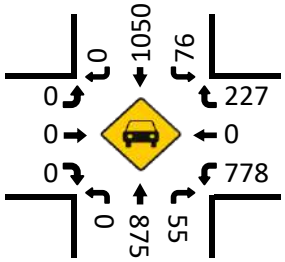
PM	1229	1	0	750	828	PM
NOON	0	0	0	0	0	NOON
AM	1890	1	0	927	57	AM

CONTROL

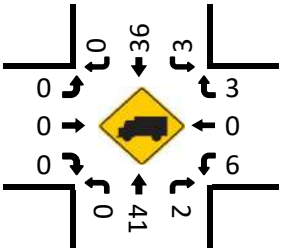
Signalized

TEV	3183 AM	0 NOON	3210 PM
PHF	0.97		0.94

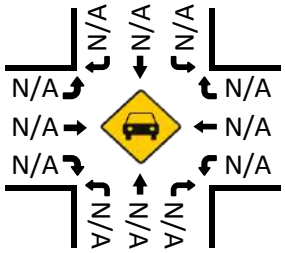
Cars (AM)



HT (AM)



Cars (NOON)



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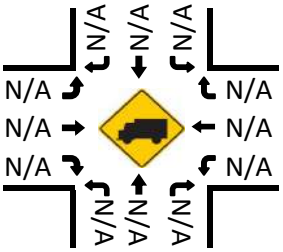
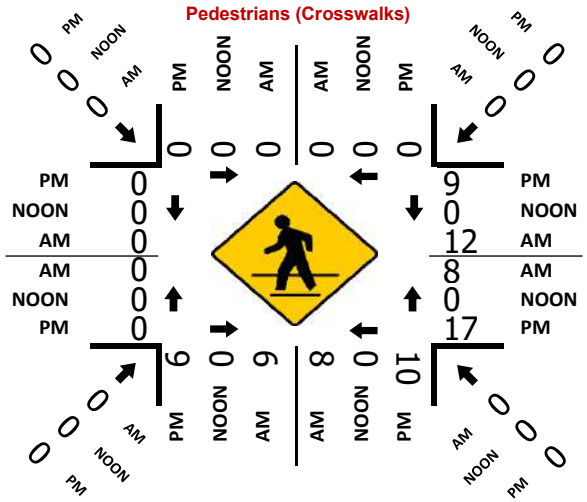
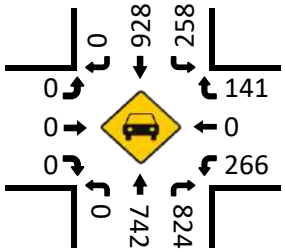


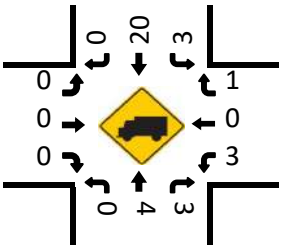
Pedestrians (Crosswalks)



Cars (PM)



HT (PM)



City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:
North/South Sunset Blvd

East/West Vin Scully Ave

Day: Thursday Date: 05/18/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	154	146	0	45
BIKES	58	63	0	1
BUSES	56	67	0	2

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	285	7.15	308	8.15	0	0.00	284	8.15
PM PK 15 MIN	455	17.15	320	16.00	0	0.00	137	17.00
AM PK HOUR	1088	7.15	1182	7.45	0	0.00	1016	7.45
PM PK HOUR	1579	16.00	1222	15.30	0	0.00	457	16.15

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	1036	48	1084
8-9	1	900	66	967
9-10	0	818	61	879
15-16	0	702	556	1258
16-17	1	750	828	1579
17-18	0	809	757	1566
TOTAL	2	5015	2316	7333

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	47	727	0	774
8-9	90	1038	0	1128
9-10	64	740	0	804
15-16	194	974	0	1168
16-17	261	959	0	1220
17-18	252	902	0	1154
TOTAL	908	5340	0	6248

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
1858	14	3	0	0
2095	11	2	0	0
1683	16	0	0	0
2426	21	8	0	0
2799	19	0	0	0
2720	27	1	0	0
13581	108	14	0	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	0	0	0
8-9	0	0	0	0
9-10	0	0	0	0
15-16	0	0	0	0
16-17	0	0	0	0
17-18	0	0	0	0
TOTAL	0	0	0	0

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	589	0	228	817
8-9	762	0	242	1004
9-10	521	0	223	744
15-16	184	0	107	291
16-17	269	0	142	411
17-18	360	0	42	402
TOTAL	2685	0	984	3669

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
817	0	0	18	1
1004	0	0	18	0
744	0	0	13	1
291	0	0	17	6
411	0	0	23	3
402	0	0	42	1
3669	0	0	131	12

Prepared by National Data & Surveying Services

Sunset Blvd & Marion Ave

Peak Hour Turning Movement Count

ID: 23-020191-002
City: Los Angeles

Day: Thursday
Date: 05/18/2023

PEAK HOURS

AM: 07:45 AM - 08:45 AM
NOON: NONE
PM: 05:00 PM - 06:00 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	39	1814	0	1	958	AM
NOON	0	0	0	0	0	NOON
PM	53	1190	0	0	1527	PM

EASTBOUND (Marion Ave)

AM	NOON	PM	
151	0	157	
0	0	0	0
19	0	34	1
0	0	0	0
52	0	78	1

WESTBOUND (Marion Ave)

PM	NOON	AM	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	

NORTHBOUND (Sunset Blvd)

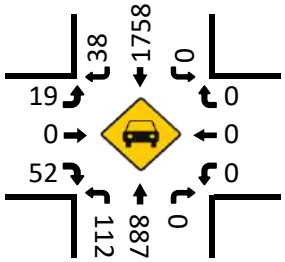
PM	1268	0	104	1493	0	PM
NOON	0	0	0	0	0	NOON
AM	1866	0	112	938	0	AM

0	4	0	0
0	1	3	0

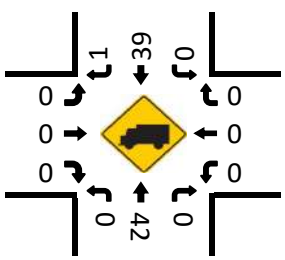
CONTROL: Signalized

TEV	2975 AM	0 NOON	2952 PM
PHF	0.99		0.92

Cars (AM)



HT (AM)



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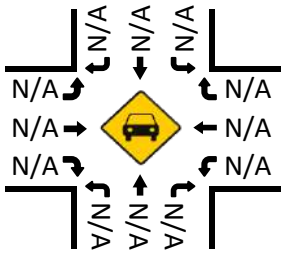
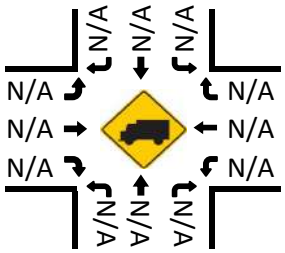
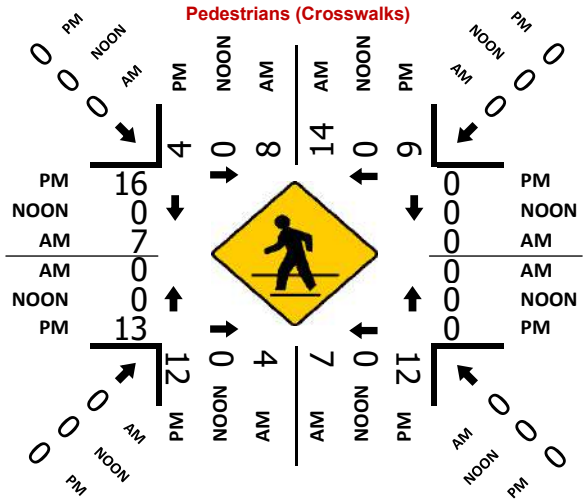


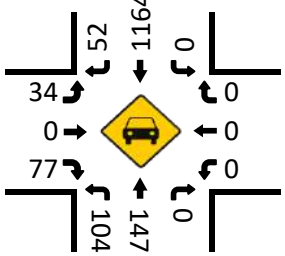
HT (NOON)



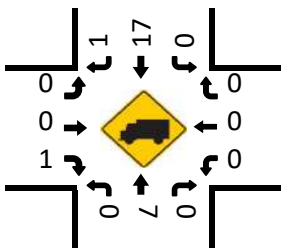
Pedestrians (Crosswalks)



Cars (PM)



HT (PM)



City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Marion Ave

Day: Thursday Date: 05/18/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	165	155	9	0
BIKES	55	56	4	0
BUSES	52	67	2	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	337	7.30	511	8.15	24	8.45	0	0.00
PM PK 15 MIN	444	17.15	350	17.30	35	16.45	0	0.00
AM PK HOUR	1186	7.00	1854	7.45	79	8.15	0	0.00
PM PK HOUR	1606	15.45	1243	17.00	128	16.00	0	0.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	112	1074	0	1186
8-9	122	940	0	1062
9-10	144	870	0	1014
15-16	100	1222	0	1322
16-17	79	1516	0	1595
17-18	104	1493	0	1597
TOTAL	661	7115	0	7776

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	1274	36	1310
8-9	1	1758	37	1796
9-10	0	1183	32	1215
15-16	0	1121	31	1152
16-17	0	1156	40	1196
17-18	0	1190	53	1243
TOTAL	1	7682	229	7912

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
2496	2	9	4	8
2858	1	7	4	11
2229	0	2	0	3
2474	23	0	6	0
2791	26	1	12	0
2840	19	5	11	2
15688	71	24	37	24

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	19	0	49	68
8-9	13	0	61	74
9-10	18	0	50	68
15-16	25	0	64	89
16-17	50	0	78	128
17-18	34	0	78	112
TOTAL	159	0	380	539

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	0	0	0
8-9	0	0	0	0
9-10	0	0	0	0
15-16	0	0	0	0
16-17	0	0	0	0
17-18	0	0	0	0
TOTAL	0	0	0	0

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
68	1	7	0	0
74	1	4	0	0
68	0	1	0	0
89	29	0	0	0
128	30	3	0	0
112	22	7	0	0
539	83	22	0	0

Prepared by National Data & Surveying Services

Sunset Blvd & Everett St

Peak Hour Turning Movement Count

ID: 23-020191-003
City: Los Angeles

Day: Thursday
Date: 05/18/2023

PEAK HOURS

AM: 07:45 AM - 08:45 AM
NOON: NONE
PM: 05:00 PM - 06:00 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	5	1836	23	0	1052	AM
NOON	0	0	0	0	0	NOON
PM	10	1212	48	2	1596	PM

EASTBOUND (Everett St)

AM	NOON	PM		
37	0	42		
0	0	0	0	
0	0	1	0	
0	0	0	1	
27	0	13	0	
AM	NOON	PM		

WESTBOUND (Everett St)

PM	NOON	AM		
33	0	31	0	
1	0	0	1	
12	0	25	0	
0	0	0	0	
81	0	42		
PM	NOON	AM		

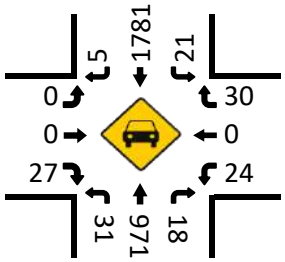
NORTHBOUND (Sunset Blvd)

PM	1238	1	31	1560	33	PM
NOON	0	0	0	0	0	NOON
AM	1888	0	32	1021	19	AM

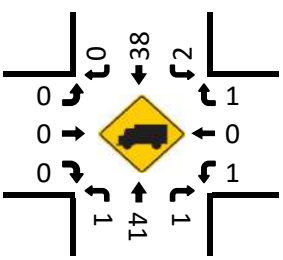
CONTROL: 2-Way Stop (EB/WB)

TEV	3019	0	2957
	AM	NOON	PM
PHF	0.99		0.91

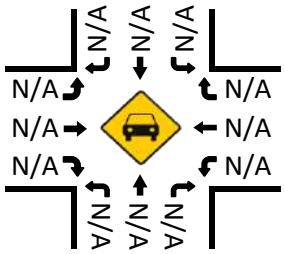
Cars (AM)



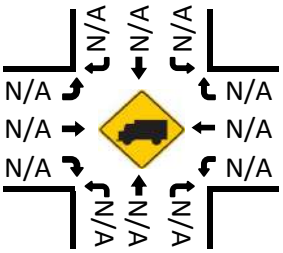
HT (AM)



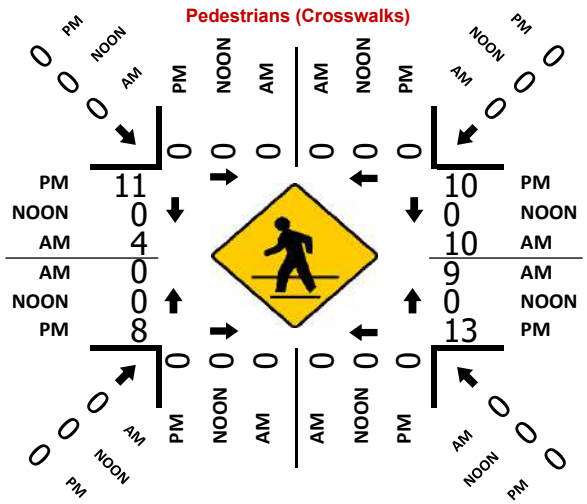
Cars (NOON)



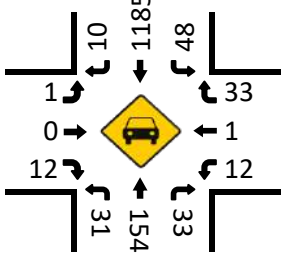
HT (NOON)



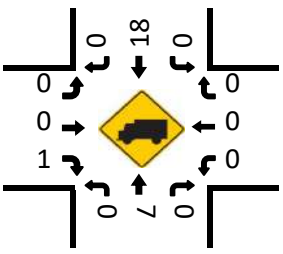
Pedestrians (Crosswalks)



Cars (PM)



HT (PM)



City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Everett St

Day: Thursday Date: 05/18/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	165	158	1	5
BIKES	59	63	1	3
BUSES	52	67	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	327	7.30	515	8.15	9	7.45	22	7.30
PM PK 15 MIN	444	16.15	362	17.30	9	15.30	22	15.15
AM PK HOUR	1185	7.00	1864	7.45	30	7.30	65	8.30
PM PK HOUR	1625	17.00	1272	17.00	22	15.00	69	15.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	21	1148	16	1185
8-9	32	1029	15	1076
9-10	20	977	17	1014
15-16	24	1277	20	1321
16-17	24	1566	33	1623
17-18	32	1560	33	1625
TOTAL	153	7557	134	7844

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	12	1310	4	1326
8-9	25	1793	3	1821
9-10	14	1210	8	1232
15-16	28	1148	9	1185
16-17	35	1192	3	1230
17-18	50	1212	10	1272
TOTAL	164	7865	37	8066

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
2511	1	0	0	0
2897	0	0	0	0
2246	0	0	0	0
2506	0	0	0	0
2853	0	0	0	0
2897	0	0	0	0
15910	1	0	0	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	3	0	26	29
8-9	0	0	23	23
9-10	2	0	17	19
15-16	2	0	20	22
16-17	3	0	13	16
17-18	1	0	13	14
TOTAL	11	0	112	123

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	16	0	37	53
8-9	23	0	30	53
9-10	19	2	34	55
15-16	28	2	39	69
16-17	14	0	27	41
17-18	12	1	33	46
TOTAL	112	5	200	317

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
82	5	0	17	5
76	3	1	15	1
74	0	0	10	2
91	13	5	17	2
57	15	7	16	18
60	9	10	20	3
440	45	23	95	31

Prepared by National Data & Surveying Services

Sunset Blvd & Beaudry Ave

Peak Hour Turning Movement Count

ID: 23-020339-001
City: Los Angeles

Day: Tuesday
Date: 09/26/2023

PEAK HOURS		COUNT PERIODS
AM	07:30 AM - 08:30 AM	07:00 AM - 10:00 AM
NOON	NONE	NONE
PM	04:15 PM - 05:15 PM	03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

	Left	Thru	Right	U-Turn	Total	
AM	589	###	31	0	1119	AM
NOON	0	0	0	0	0	NOON
PM	166	887	42	0	1715	PM
	0	3	1	0		

EASTBOUND (Beaudry Ave)

AM	NOON	PM	
912	0	364	
0	0	0	0
122	0	487	0
66	0	301	1
106	0	148	0
AM	NOON	PM	

WESTBOUND (Beaudry Ave)

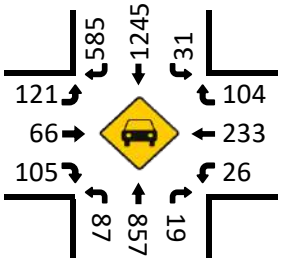
PM	NOON	AM	
102	0	106	1
105	0	234	2
28	0	27	0
0	0	0	0
386	0	116	
PM	NOON	AM	

NORTHBOUND (Sunset Blvd)

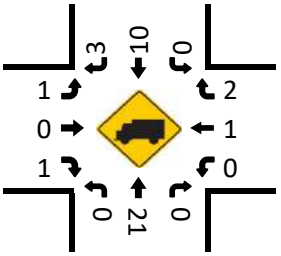
	Left	Thru	Right	U-Turn	Total	
PM	1063	0	93	###	43	PM
NOON	0	0	0	0	0	NOON
AM	1403	0	89	891	19	AM
	0	1	3	0		

CONTROL			
Signalized			
TEV	###	0	###
	AM	NOON	PM
PHF	0.93		0.89

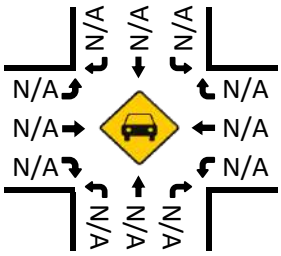
Cars (AM)



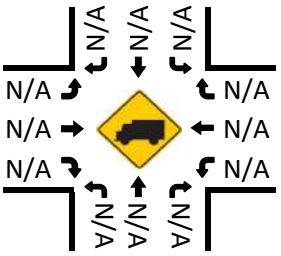
Duals (AM)



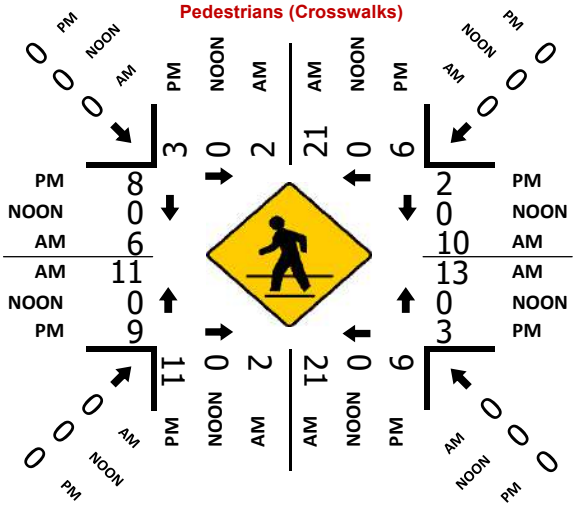
Cars (NOON)



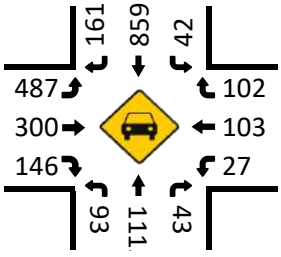
Duals (NOON)



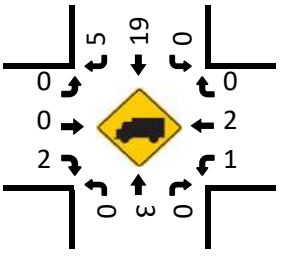
Pedestrians (Crosswalks)



Cars (PM)



Duals (PM)



City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Beaudry Ave

Day: Tuesday Date: 09/26/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-	108	132	24	19
WHEELED	0	0	0	0
BIKES	32	54	3	8
BUSES	51	66	6	3

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	286	7.45	489	7.45	81	8.00	103	8.00
PM PK 15 MIN	355	16.30	297	16.30	272	16.45	66	16.30
AM PK HOUR	1000	7.00	1874	7.30	292	7.30	375	7.15
PM PK HOUR	1260	16.00	1077	16.30	991	16.30	242	16.30

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	113	879	8	1000
8-9	84	796	22	902
9-10	85	741	15	841
15-16	82	851	18	951
16-17	88	1137	35	1260
17-18	88	902	48	1038
TOTAL	540	5306	146	5992

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	17	1129	456	1602
8-9	27	1265	518	1810
9-10	17	1162	313	1492
15-16	27	810	108	945
16-17	48	866	155	1069
17-18	42	814	141	997
TOTAL	178	6046	1691	7915

TOTAL

N-S
2602
2712
2333
1896
2329
2035
13907

XING S/L

Ped	Sch
15	0
22	7
7	1
19	6
18	2
14	3
95	19

XING N/L

Ped	Sch
6	4
21	3
7	0
4	3
6	1
7	3
51	14

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	101	26	77	204
8-9	95	69	100	264
9-10	86	37	63	186
15-16	257	113	126	496
16-17	504	267	147	918
17-18	457	315	139	911
TOTAL	1500	827	652	2979

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	14	215	98	327
8-9	33	204	84	321
9-10	28	128	89	245
15-16	26	82	84	192
16-17	23	103	109	235
17-18	28	112	79	219
TOTAL	152	844	543	1539

TOTAL

E-W
531
585
431
688
1153
1130
4518

XING W/L

Ped	Sch
4	0
33	4
15	1
17	5
16	2
24	7
109	19

XING E/L

Ped	Sch
13	1
23	1
6	0
6	1
4	2
9	1
61	6

Appendix I:
Intersection Counts: Dodgers Home Game

Prepared by National Data & Surveying Services

Sunset Blvd & Vin Scully Ave

Peak Hour Turning Movement Count

ID: 23-20191-001
City: Los Angeles

Day: Tuesday
Date: 05/16/2023

PEAK HOURS

AM	NONE
NOON	NONE
PM	04:00 PM - 05:00 PM

COUNT PERIODS

AM	NONE
NOON	NONE
PM	03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	922	352	0	843	PM

EASTBOUND (Vin Scully Ave)

AM	NOON	PM
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
AM	NOON	PM

WESTBOUND (Vin Scully Ave)

PM	NOON	AM
147	0	0
0	0	0
182	0	0
3	0	0
1356	0	0
PM	NOON	AM

NORTHBOUND (Sunset Blvd)

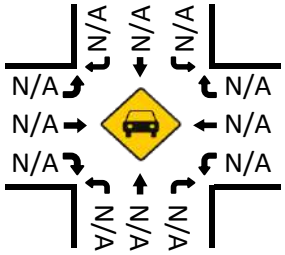
PM	1104	0	0	696	1001	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM

0	2	1	0
0	0	2	1

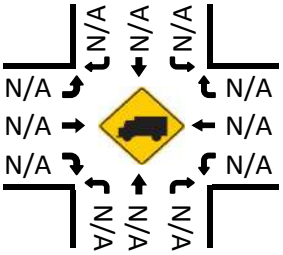
2	0	2	0

CONTROL			
Signalized			
TEV	0 AM	0 NOON	3303 PM
PHF			0.95

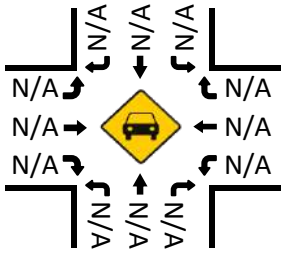
Cars (AM)



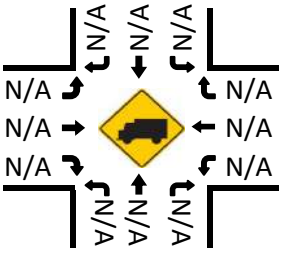
HT (AM)



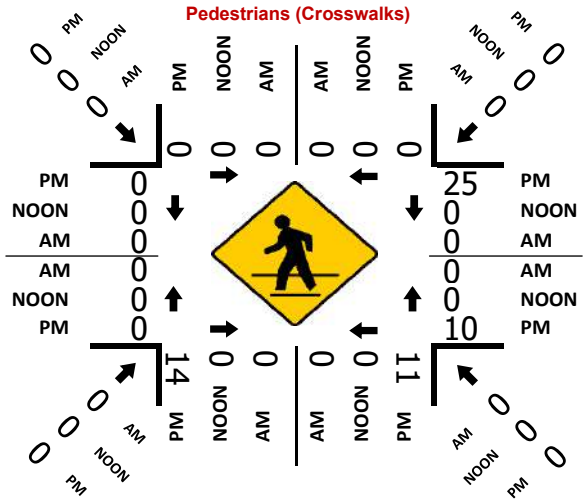
Cars (NOON)



HT (NOON)



Pedestrians (Crosswalks)


PM
NOON
AM
0
0
0

City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Vin Scully Ave

Day: Tuesday Date: 05/16/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	32	64	0	11
BIKES	45	33	0	1
BUSES	28	32	0	1

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
PM PK 15 MIN	469	16.00	353	17.30	0	0.00	117	17.45
PM PK HOUR	1697	16.00	1344	16.45	0	0.00	394	17.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	1	717	667	1385
16-17	0	696	1001	1697
17-18	1	539	717	1257
TOTAL	2	1952	2385	4339

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	213	935	0	1148
16-17	352	922	0	1274
17-18	538	778	0	1316
TOTAL	1103	2635	0	3738

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
2533	17	13	0	0
2971	16	9	0	0
2573	25	10	0	1
8077	58	32	0	1

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	0	0	0	0
16-17	0	0	0	0
17-18	0	0	0	0
TOTAL	0	0	0	0

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	187	0	138	325
16-17	185	0	147	332
17-18	218	0	176	394
TOTAL	590	0	461	1051

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
325	0	0	30	15
332	0	0	24	11
394	0	0	39	15
1051	0	0	93	41

Prepared by National Data & Surveying Services

Sunset Blvd & Marion Ave

Peak Hour Turning Movement Count

ID: 23-020191-002
City: Los Angeles

Day: Tuesday
Date: 05/16/2023

PEAK HOURS

AM	NONE
NOON	NONE
PM	03:45 PM - 04:45 PM

COUNT PERIODS

AM	NONE
NOON	NONE
PM	03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	43	1071	0	1	1723	PM

EASTBOUND (Marion Ave)

AM	NOON	PM	
0	0	130	
0	0	0	0
0	0	49	1
0	0	0	0
0	0	80	1
AM	NOON	PM	

WESTBOUND (Marion Ave)

PM	NOON	AM	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	
PM	NOON	AM	

NORTHBOUND (Sunset Blvd)

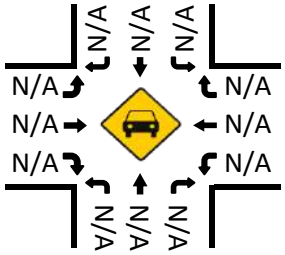
PM	1152	1	87	1673	0	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM

	0	4	0	0
	0	1	3	0

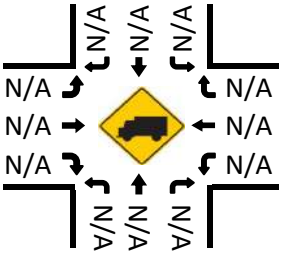
CONTROL: Signalized

TEV	0 AM	0 NOON	3005 PM
PHF			0.93

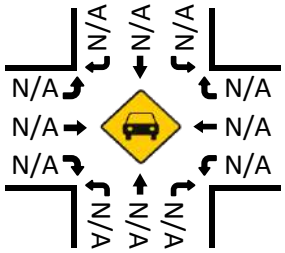
Cars (AM)



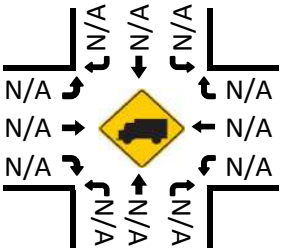
HT (AM)



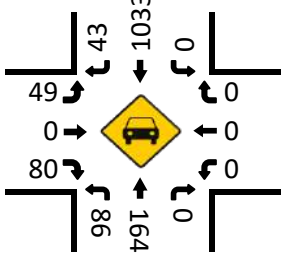
Cars (NOON)



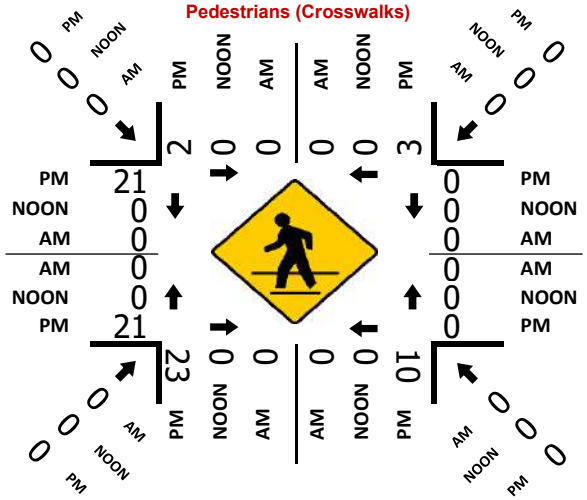
HT (NOON)



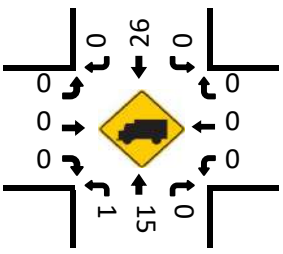
Cars (PM)



Pedestrians (Crosswalks)



HT (PM)



City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Marion Ave

Day: Tuesday Date: 05/16/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	39	76	1	0
BIKES	48	31	2	0
BUSES	27	30	1	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
PM PK 15 MIN	474	16.30	313	15.45	46	17.00	0	0.00
PM PK HOUR	1766	16.00	1131	15.15	173	16.30	0	0.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	104	1350	0	1454
16-17	92	1674	0	1766
17-18	109	1257	0	1366
TOTAL	305	4281	0	4586

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	1	1087	42	1130
16-17	1	1024	49	1074
17-18	0	914	66	980
TOTAL	2	3025	157	3184

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
2584	25	0	7	1
2840	20	7	10	1
2346	44	2	6	4
7770	89	9	23	6

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	36	0	64	100
16-17	50	0	91	141
17-18	76	0	94	170
TOTAL	162	0	249	411

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	0	0	0	0
16-17	0	0	0	0
17-18	0	0	0	0
TOTAL	0	0	0	0

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
100	32	4	0	0
141	23	6	0	0
170	29	3	0	0
411	84	13	0	0

Prepared by National Data & Surveying Services

Sunset Blvd & Everett St

Peak Hour Turning Movement Count

ID: 23-20191-003
City: Los Angeles

Day: Tuesday
Date: 05/16/2023

PEAK HOURS

AM	NONE
NOON	NONE
PM	03:45 PM - 04:45 PM

COUNT PERIODS

AM	NONE
NOON	NONE
PM	03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	10	1121	29	0	1749	PM

EASTBOUND (Everett St)

AM	NOON	PM		
0	0	39		
0	0	0	0	
0	0	2	0	
0	0	0	1	
0	0	13	0	
AM	NOON	PM		

WESTBOUND (Everett St)

PM	NOON	AM	
32	0	0	0
1	0	0	1
23	0	0	0
0	0	0	0
69	0	0	
PM	NOON	AM	

NORTHBOUND (Sunset Blvd)

PM	1158	1	28	1715	40	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM

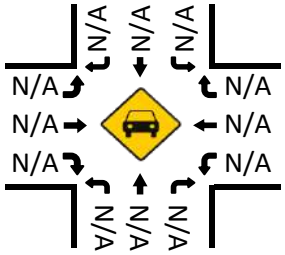
	0	2	0	0
	0	0	3	0

CONTROL

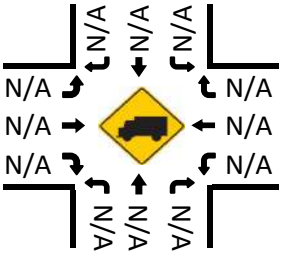
2-Way Stop (EB/WB)

	AM	NOON	PM
TEV	0	0	3015
PHF			0.93

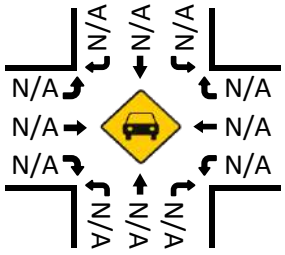
Cars (AM)



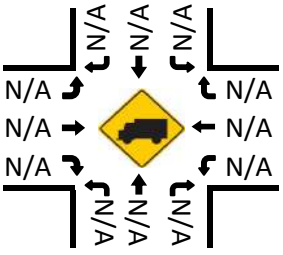
HT (AM)



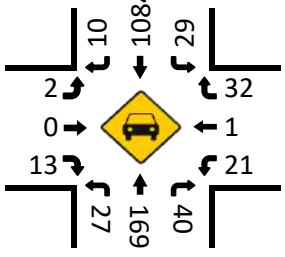
Cars (NOON)



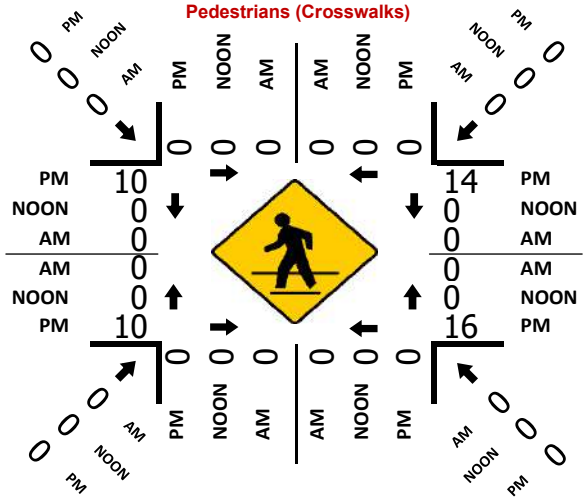
HT (NOON)



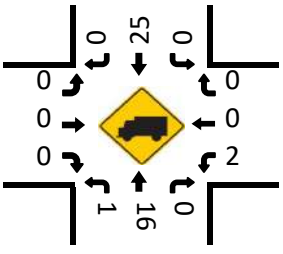
Cars (PM)



Pedestrians (Crosswalks)



HT (PM)



City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Everett St

Day: Tuesday Date: 05/16/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	41	74	2	7
BIKES	57	33	1	1
BUSES	28	32	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
PM PK 15 MIN	476	16.30	332	15.45	8	15.30	20	15.15
PM PK HOUR	1819	16.00	1168	15.15	22	15.00	60	15.15

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	28	1418	21	1467
16-17	40	1733	46	1819
17-18	60	1324	43	1427
TOTAL	128	4475	110	4713

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	24	1117	18	1159
16-17	28	1079	7	1114
17-18	41	948	14	1003
TOTAL	93	3144	39	3276

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
2626	0	0	0	0
2933	0	0	0	0
2430	0	0	1	0
7989	0	0	1	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	4	0	18	22
16-17	3	0	12	15
17-18	6	0	11	17
TOTAL	13	0	41	54

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	25	1	33	59
16-17	16	1	36	53
17-18	25	0	25	50
TOTAL	66	2	94	162

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
81	14	4	20	9
68	14	2	24	4
67	17	3	35	4
216	45	9	79	17

Prepared by National Data & Surveying Services

Sunset Blvd & Beaudry Ave

Peak Hour Turning Movement Count

ID: 23-020339-001
City: Los Angeles

Day: Tuesday
Date: 09/19/2023

PEAK HOURS	
AM	NONE
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS	
AM	NONE
NOON	NONE
PM	03:00 PM - 06:00 PM

SOUTHBOUND (Sunset Blvd)

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	155	851	60	0	1790	PM
	0	3	1	0		

EASTBOUND (Beaudry Ave)

AM	NOON	PM	
0	0	351	
0	0	0	0
0	0	486	0
0	0	267	1
0	0	158	0
AM	NOON	PM	

WESTBOUND (Beaudry Ave)

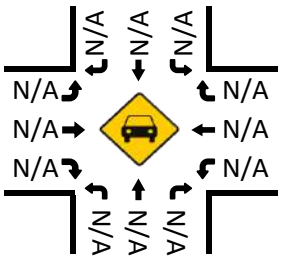
	PM	NOON	AM
1	111	0	0
2	126	0	0
0	20	0	0
0	0	0	0
	383	0	0
	PM	NOON	AM

NORTHBOUND (Sunset Blvd)

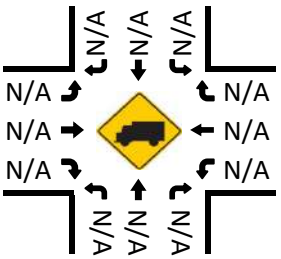
PM	1029	0	70	###	56	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM
		0	1	3	0	

CONTROL			
Signalized			
TEV	0 AM	0 NOON	### PM
PHF			0.96

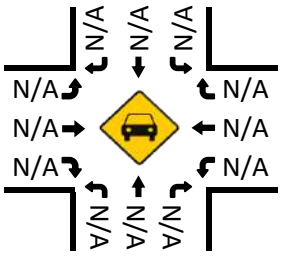
Cars (AM)



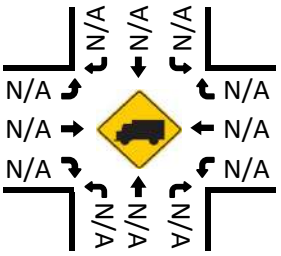
Duals (AM)



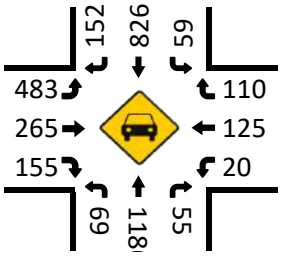
Cars (NOON)



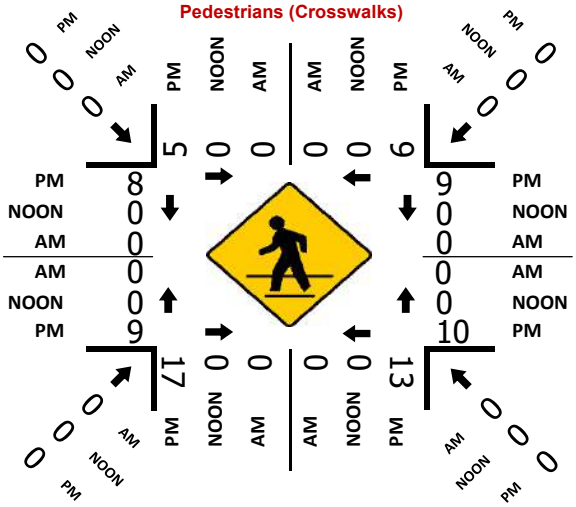
Duals (NOON)



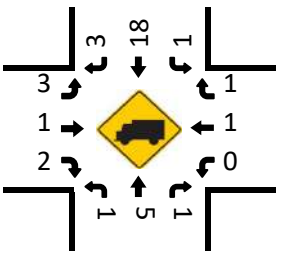
Cars (PM)



Pedestrians (Crosswalks)



Duals (PM)



City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Sunset Blvd

East/West Beaudry Ave

Day: Tuesday Date: 09/19/2023 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-	21	61	15	6
WHEELED	0	0	0	0
BIKES	34	34	13	7
BUSES	23	16	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
PM PK 15 MIN	361	17.00	295	15.45	240	17.00	83	17.00
PM PK HOUR	1363	16.15	1046	16.45	915	16.15	255	16.30

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	63	1004	30	1097
16-17	72	1218	44	1334
17-18	79	1055	52	1186
TOTAL	214	3277	126	3617

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	22	828	110	960
16-17	49	809	130	988
17-18	54	819	150	1023
TOTAL	125	2456	390	2971

TOTAL

N-S
2057
2322
2209
6588

XING S/L

Ped	Sch
20	3
26	6
32	3
78	12

XING N/L

Ped	Sch
4	0
8	2
12	0
24	2

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	261	129	126	516
16-17	475	252	142	869
17-18	452	258	166	876
TOTAL	1188	639	434	2261

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
15-16	28	73	85	186
16-17	21	98	92	211
17-18	31	114	90	235
TOTAL	80	285	267	632

TOTAL

E-W
702
1080
1111
2893

XING W/L

Ped	Sch
17	0
18	0
26	0
61	0

XING E/L

Ped	Sch
5	0
16	1
19	4
40	5

FORM GEN. 160A (Rev. 1/82)

CITY OF LOS ANGELES

INTER-DEPARTMENTAL CORRESPONDENCE

1187 W Sunset Blvd
DOT Case No. CEN23-54959

Date: December 7, 2023

To: Brenda Kahinju, Administrative Clerk
Department of City Planning

Robert Sanchez (Dec 7 2023 15:[illegible] PST)

From: Robert Sanchez, Senior Transportation Engineer
Department of Transportation

Subject: **TRANSPORTATION ASSESSMENT FOR THE PROPOSED RESIDENTIAL PROJECT LOCATED AT 1187 WEST SUNSET BOULEVARD (PAR-2023-1159-AHRF/ENV-2023-5529-SCEA)**

The Los Angeles Department of Transportation (LADOT) has reviewed the transportation assessment prepared by Fehr & Peers, dated November 2023, for the proposed Sunset + Everett Project located at 1187 West Sunset Boulevard within the East Los Angeles Area Planning Commission (APC) and a Transit Oriented Community (TOC) Tier 2. In compliance with Senate Bill (SB) 743 and the California Environmental Quality Act (CEQA), a vehicle miles traveled (VMT) analysis is required to identify the project's ability to promote the reduction of green-house gas emissions, the access to diverse land uses, and the development of multi-modal networks. The significance of a project's impact in this regard is measured against the VMT thresholds established in LADOT's Transportation Assessment Guidelines (TAG), as described below.

DISCUSSION AND FINDINGS

A. Project Description

The project proposes to construct two seven-story residential buildings on a collection of vacant parcels along the east side of Sunset Boulevard north of Everett Street. The development will provide 286 multi-family residential dwelling units, 41 affordable units, 9,462 square-feet of high-turnover sit-down restaurant space, 162 long-term bicycle parking spaces on-site, 21 short-term bicycle parking spaces within the public right-of-way along the project frontage, and 263 vehicle parking spaces within one subterranean and at-grade parking garage. Access to the project site would be provided via three driveways along Sunset Boulevard. The south driveway would be located at the signalized intersection of Marion Avenue and Sunset Boulevard acting as the fourth leg of the intersection. The north and middle driveways will provide left/right-turn in and right-turn out access only, and the south driveway will provide full access as illustrated in **Attachment A**. The project is expected to be completed by 2027.

B. Freeway Safety Analysis

Per the Interim Guidance for Freeway Safety Analysis memorandum issued by LADOT on May 1, 2020 to address Caltrans safety concerns on freeways, the study addresses the project's effects on vehicle queuing on freeway off-ramps. Such an evaluation measures the project's potential to lengthen a forecasted off-ramp queue and create speed differentials between vehicles exiting the freeway off-ramps and vehicles operating on the freeway mainline. The evaluation identified the number of project trips expected to be added to nearby freeway off-ramps serving the project site. It was determined that project traffic at any freeway off-ramp will not exceed 25 peak hour trips. Therefore, a freeway ramp analysis is not required.

C. CEQA Screening Threshold

Prior to accounting for trip reductions resulting from the application of Transportation Demand Management (TDM) strategies, a trip generation analysis was conducted to determine if the project would exceed the net 250 daily vehicle trips screening threshold. Using the City of Los Angeles VMT Calculator tool, which draws upon trip rate estimates published in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition as well as applying trip generation adjustments when applicable, based on sociodemographic data and the built environment factors of the project's surroundings, it was determined that the project **does** exceed the net 250 daily vehicle trips threshold.

Additionally, the analysis included further discussion of the transportation impact thresholds:

T-1 Conflicting with plans, programs, ordinances, or policies
T-2.1 Causing substantial vehicle miles traveled
T-3 Substantially increasing hazards due to a geometric design feature or incompatible use.

The assessment determined that the project would **not** have a significant transportation impact under Thresholds T-1 and T-3. A project's impacts per Threshold T-2.1 is determined by using the VMT calculator and is discussed further below. A copy of the VMT Calculator summary report is provided as **Attachment B** to this report.

D. Transportation Impacts

On July 30, 2019, pursuant to SB 743 and the recent changes to Section 15064.03 of the State's CEQA Guidelines, the City of Los Angeles adopted VMT as criteria in determining transportation impacts under CEQA. The new LADOT TAG provide instructions on preparing transportation assessments for land use proposals and defines the significant impact thresholds.

The LADOT VMT Calculator tool measures project impact in terms of Household VMT per Capita, and Work VMT per Employee. LADOT identified distinct thresholds for significant VMT impacts for each of the seven APC areas in the City. For the East Los Angeles APC area, in which the project is located, the following thresholds have been established:

- Household VMT per Capita: 7.2
- Work VMT per Employee: 12.7

As cited in the VMT Analysis report, prepared by Fehr & Peers, the project proposes to incorporate the TDM strategies of reducing the parking supply by providing 263 of the required 621 parking spaces, promotions and marketing, and bike parking per Los Angeles Municipal Code (LAMC) as project design features. With the application of these TDM measures, the proposed project is projected to have a Household VMT per capita of 5.3 and no Work VMT. Therefore, it is concluded that implementation of the Project would result in no significant VMT impact. A copy of the VMT Calculator summary report is provided as **Attachment B**.

E. Access and Circulation

During preparation of the new CEQA guidelines, the State's Office of Planning and Research stressed that lead agencies can continue to apply traditional operational analysis requirements

to inform land use decisions provided that such analyses were outside of the CEQA process. The authority for requiring non-CEQA transportation analysis and requiring improvements to address potential circulation deficiencies, lies in the City of Los Angeles' Site Plan Review authority as established in Section 16.05 of the LAMC. Therefore, LADOT continues to require and review a project's site access, circulation, and operational plan to determine if any access enhancements, transit amenities, intersection improvements, traffic signal upgrades, neighborhood traffic calming, or other improvements are needed. Vehicular access to the project site would be provided along Sunset Boulevard and pedestrian access would be provided along Sunset Boulevard and Everett Street. In accordance with this authority, the project has completed a circulation analysis using a "level of service" screening methodology that indicates that the trips generated by the proposed development will not likely result in adverse circulation conditions at several locations. However, the project would intensify use of existing pedestrian and transit facilities at Sunset Boulevard and Marion Avenue which would require improvement. LADOT has reviewed this analysis and determined that it adequately discloses operational concerns. A copy of the circulation analysis table that summarizes these potential deficiencies is provided as **Attachment C** to this report.

PROJECT REQUIREMENTS

Non-CEQA-Related Requirements and Considerations

To comply with transportation and mobility goals and provisions of adopted City plans and ordinances, the applicant should be required to implement the following:

1. Access Improvements

   A. Traffic Signal Modification at Sunset Boulevard and Marion Way

   The project's south driveway would form the fourth leg of the Sunset Boulevard and Marion Way. The project should coordinate with the LADOT Central District Office to modify traffic signal equipment, curbs, ramps, and striping at this intersection.

   B. Pedestrian and Transit Improvements

   The project proposed the following to improve the deficient pedestrian and transit facilities at Sunset Boulevard and Marion Avenue:

   - Construct the curb ramps at the north leg of the intersection.
   - Provide a transit shelter at the bus stop located along the Project frontage at the intersection of Sunset Boulevard and Marion Avenue.

All improvements, enhancements, and associated improvement work within the City of Los Angeles must be **guaranteed** through Bureau of Engineering's (BOE) B-Permit process, prior to the issuance of any building permits and **completed** prior to the issuance of any certificates of occupancy. Temporary certificates of occupancy may be granted in the event of any delay through no fault of the applicant, provided that, in each case, the applicant has demonstrated reasonable efforts and due diligence to the satisfaction of LADOT. Prior to setting the bond amount, BOE shall require that the developer's engineer or contractor email LADOT's B-Permit Coordinator at ladot.planprocessing@lacity.org to arrange a pre-design meeting to finalize the proposed design needed for the project.

2. Parking Requirements
The project would provide a total of 183 (162 long-term and 21 short-term) bicycle parking spaces and 263 vehicle parking spaces. The applicant should check with the Departments of Building and Safety and City Planning on the number of parking spaces required for this project within a TOC Tier 2.

3. Highway Dedication and Street Widening Requirements
Per the Mobility Element of the General Plan, **Sunset Boulevard**, an Avenue I, would require a 35-foot half-width roadway within a 50-foot half-width right-of-way and **Everett Street**, a local street, would require an 18-foot half-width roadway within a 30-foot half-width right-of-way The applicant should check with the BOE's Land Development Group to determine if there are any other applicable highway dedication, street widening and/or sidewalk requirements for this project.

4. Project Access and Circulation
The conceptual site plan for the project (see **Attachment A**) is acceptable to LADOT. Residential access will be provided via three driveways along Sunset Boulevard north of Everett Street. The north and middle driveways will provide left/right-in and right-out access, and the south driveway will provide full access. Review of this study does not constitute approval of the dimensions for any new proposed driveway. Review and approval of the driveway should be coordinated with LADOT's Citywide Planning Coordination Section <ladot.onestop.@lacity.org>. In order to minimize and prevent last minute building design changes, the applicant should contact LADOT for driveway width and internal circulation requirements prior to the commencement of building or parking layout design. The applicant should check with City Planning regarding the project's driveway placement and design.

5. Worksite Traffic Control Requirements
LADOT recommends that a construction work site traffic control plan be submitted to LADOT's Citywide Temporary Traffic Control Section or Permit Plan Review Section for review and approval prior to the start of any construction work. Refer to http://ladot.lacity.org/businesses/temporary-traffic-control-plans to determine which section to coordinate review of the work site traffic control plan. The plan should show the location of any roadway or sidewalk closures, traffic detours, haul routes, hours of operation, protective devices, warning signs and access to abutting properties. LADOT also recommends that all construction related truck traffic be restricted to off-peak hours to the extent feasible.

6. TDM Ordinance Requirements
The TDM Ordinance (LAMC 12.26 J) is currently being updated. The updated ordinance, which is currently progressing through the City's approval process, will:

- Expand the reach and application of TDM strategies to more land uses and neighborhoods,
- Rely on a broader range of strategies that can be updated to keep pace with technology, and
- Provide flexibility for developments and communities to choose strategies that work best for their neighborhood context.

Although not yet adopted, LADOT recommends that the applicant be subject to the terms of the proposed TDM Ordinance update which is expected to be completed prior to the anticipated construction of this project, if approved. It should be noted that in addition to the three TDM strategies previously mentioned as project design features, the project will also unbundle the cost of parking from residential leases.

7. Development Review Fees
Section 19.15 of the LAMC identifies specific fees for traffic study review, condition clearance, and permit issuance. The applicant shall comply with any applicable fees per this ordinance.

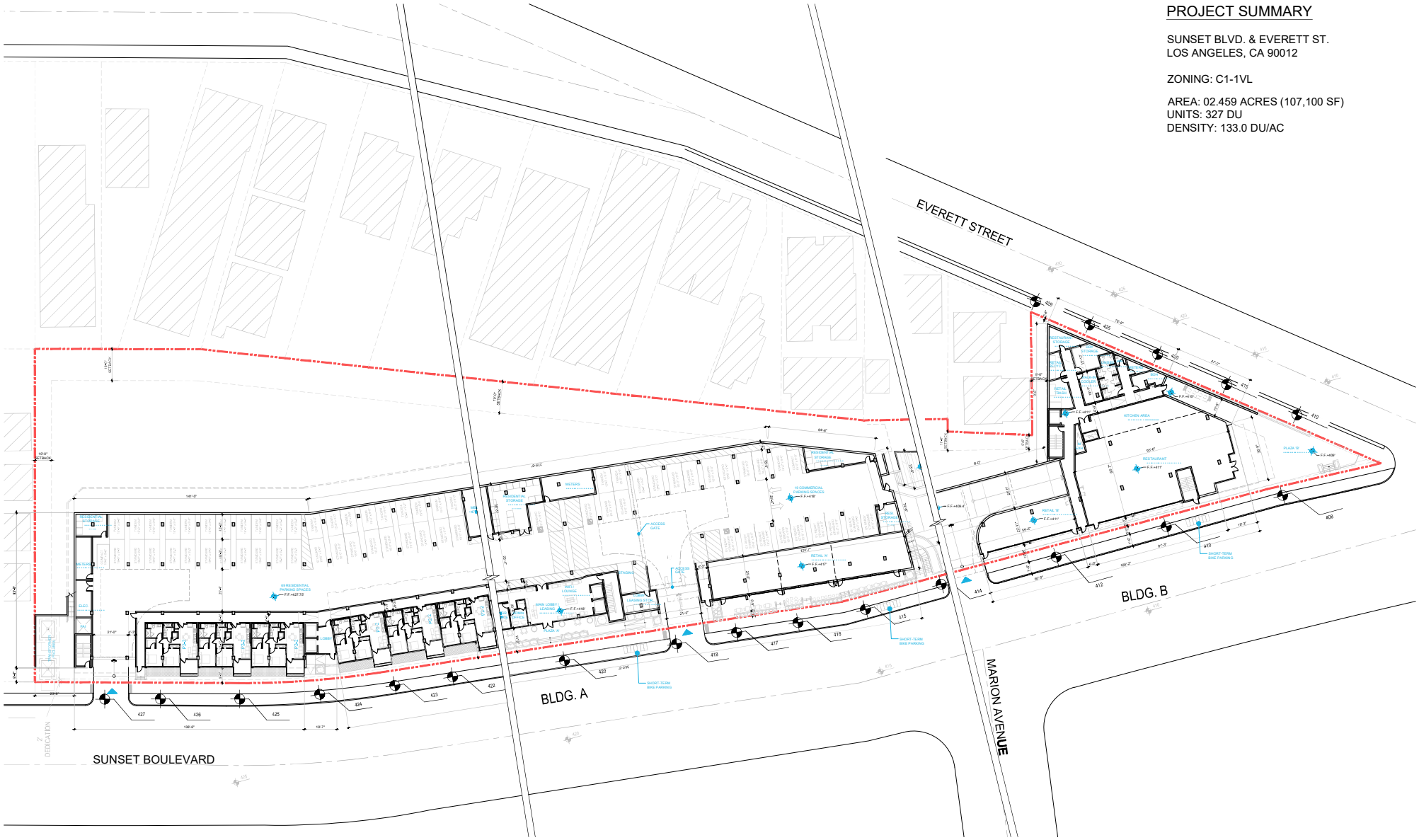
If you have any questions, please contact Jose Cardenas of my staff at (213) 972-4995.

Attachments

I:\Letters\2023\CEN23-54959_1187 W Sunset Bl_MU_ts_ltr.docx

c: Hellen Campbell, Council District 1
Hokchi Chiu, Central District, BOE
Quan Tran, Central District, DOT
Taimour Tanavoli, Case Management Office, DOT
Andrew Jarnagin, Fehr & Peers

ATTACHMENT A
CEN23-54959_1187 Sunset Bl



PROJECT SUMMARY

SUNSET BLVD. & EVERETT ST.
LOS ANGELES, CA 90012

ZONING: C1-1VL

AREA: 02.459 ACRES (107,100 SF)
UNITS: 327 DU
DENSITY: 133.0 DU/AC

ktgy
Architecture + Planning
888.456.5849
ktgy.com

Aragon Properties LTD.
1628 W. 1st Ave.
Vancouver, BC, Canada V6J 1G1

SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2012-0710

CONCEPT DESIGN // PIXEL
MARCH 2, 2023

0 12 1/2 25 50

CONCEPTUAL SITE PLAN
PROJECT SUMMARY

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: Sunset + Everett
Scenario: Project
Address: 1187 W SUNSET BLVD, 90012

Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Multi-Family	22	DU

Click here to add a single custom land use type (will be included in the above list)

Proposed Project Land Use

Land Use Type	Value	Unit
Housing | Affordable Housing - Family	41	DU
Housing | Multi-Family	286	DU
Retail | High-Turnover Sit-Down Restaurant	9.462	ksf
Housing | Affordable Housing - Family	41	DU

Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project
0 Daily Vehicle Trips	2,217 Daily Vehicle Trips
0 Daily VMT	13,934 Daily VMT

Tier 1 Screening Criteria

Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station. ☐

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	2,217 Net Daily Trips
The net increase in daily VMT ≤ 0	13,934 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	9.462 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

u e 2

6/15/2023

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Information

Project: Sunset + Everett
Scenario: Project
Address: 1187 W SUNSET BLVD, 90012

Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	286	DU
Retail | High-Turnover Sit-Down Restaurant	9.462	ksf
Housing | Affordable Housing - Family	41	DU

TDM Strategies

Select each section to show individual strategies
Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

	Proposed Project	With Mitigation
Max Home Based TDM Achieved?	**No**	**No**
Max Work Based TDM Achieved?	**No**	**No**

- **A** Parking
- **B** Transit
- **C** Education & Encouragement
- **D** Commute Trip Reductions
- **E** Shared Mobility
- **F** Bicycle Infrastructure
- **G** Neighborhood Enhancement

Traffic Calming Improvements
☐ Proposed Prj ☐ Mitigation
25 percent of streets within project with traffic calming improvements
25 percent of intersections within project with traffic calming improvements

Pedestrian Network Improvements
☐ Proposed Prj ☐ Mitigation
within project and connecting off-site

Analysis Results

Proposed Project	With Mitigation
1,850 Daily Vehicle Trips	**1,850** Daily Vehicle Trips
11,632 Daily VMT	**11,632** Daily VMT
5.3 Household VMT per Capita	**5.3** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: No Threshold = 7.2 15% Below APC	**Household: No** Threshold = 7.2 15% Below APC
Work: N/A Threshold = 12.7 15% Below APC	**Work: N/A** Threshold = 12.7 15% Below APC

Measuring the Miles

6/15/2023

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	286	DU
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	Family	41	DU
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	*General Retail*	*0.000*	*ksf*
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	9.462	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	*General Office*	*0.000*	*ksf*
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

Analysis Results			
Total Employees: 38 Total Population: 773			
Proposed Project		***With Mitigation***	
1,850	**Daily Vehicle Trips**	**1,850**	**Daily Vehicle Trips**
11,632	**Daily VMT**	**11,632**	**Daily VMT**
5.3	**Household VMT per Capita**	**5.3**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: East Los Angeles			
Impact Threshold: 15% Below APC Average Household = 7.2 Work = 12.7			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 7.2 Work > 12.7	No N/A	Household > 7.2 Work > 12.7	No N/A

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

TDM Strategy Inputs

Strategy Type		Description	Proposed Project	Mitigations
Parking	Reduce parking supply	City code parking provision (spaces)	621	621
		Actual parking provision (spaces)	263	263
	Unbundle parking	*Monthly cost for parking ($)*	*$0*	*$0*
	Parking cash-out	*Employees eligible (%)*	*0%*	*0%*
	Price workplace parking	*Daily parking charge ($)*	*$0.00*	*$0.00*
		Employees subject to priced parking (%)	*0%*	*0%*
	Residential area parking permits	*Cost of annual permit ($)*	*$0*	*$0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Transit	*Reduce transit headways*	*Reduction in headways (increase in frequency) (%)*	*0%*	*0%*
		Existing transit mode share (as a percent of total daily trips) (%)	*0%*	*0%*
		Lines within project site improved (<50%, >=50%)	*0*	*0*
	Implement neighborhood shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees and residents eligible (%)	*0%*	*0%*
	Transit subsidies	*Employees and residents eligible (%)*	*0%*	*0%*
		Amount of transit subsidy per passenger (daily equivalent) ($)	*$0.00*	*$0.00*
Education & Encouragement	*Voluntary travel behavior change program*	*Employees and residents participating (%)*	*0%*	*0%*
	Promotions and marketing	Employees and residents participating (%)	100%	100%

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	*Required commute trip reduction program*	*Employees participating (%)*	*0%*	*0%*
	Alternative Work Schedules and Telecommute	*Employees participating (%)*	*0%*	*0%*
		Type of program	*0*	*0*
	Employer sponsored vanpool or shuttle	*Degree of implementation (low, medium, high)*	*0*	*0*
		Employees eligible (%)	*0%*	*0%*
		Employer size (small, medium, large)	*0*	*0*
	Ride-share program	*Employees eligible (%)*	*0%*	*0%*
Shared Mobility	*Car share*	*Car share project setting (Urban, Suburban, All Other)*	*0*	*0*
	Bike share	*Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)*	*0*	*0*
	School carpool program	*Level of implementation (Low, Medium, High)*	*0*	*0*

(cont. on following page)

TDM Strategy Inputs, Cont.

Strategy Type		Description	Proposed Project	Mitigations
Bicycle Infrastructure	*Implement/Improve on-street bicycle facility*	*Provide bicycle facility along site (Yes/No)*	*0*	*0*
	Include Bike parking per LAMC	Meets City Bike Parking Code (Yes/No)	Yes	Yes
	Include secure bike parking and showers	*Includes indoor bike parking/lockers, showers, & repair station (Yes/No)*	*0*	*0*
Neighborhood Enhancement	*Traffic calming improvements*	*Streets with traffic calming improvements (%)*	*0%*	*0%*
		Intersections with traffic calming improvements (%)	*0%*	*0%*
	Pedestrian network improvements	*Included (within project and connecting off-site/within project only)*	*0*	*0*

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

TDM Adjustments by Trip Purpose & Strategy

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Parking	Reduce parking supply	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	TDM Strategy Appendix, Parking sections 1 - 5
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Compact Infill

		Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*		*Source*
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	Implement/ Improve on-street bicycle facility	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Bicycle Infrastructure sections 1 - 3
	Include Bike parking per LAMC	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
	Include secure bike parking and showers	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	
Neighborhood Enhancement	Traffic calming improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	TDM Strategy Appendix, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	

Final Combined & Maximum TDM Effect

	Home Based Work Production		*Home Based Work Attraction*		*Home Based Other Production*		*Home Based Other Attraction*		*Non-Home Based Other Production*		*Non-Home Based Other Attraction*	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*13%*
MAX. TDM EFFECT	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*	*17%*

= Minimum (X%, 1-[(1-A)*(1-B)…])
where X%=

PLACE	*urban*	*75%*
TYPE	compact infill	*40%*
MAX:	*suburban center*	*20%*
	suburban	*15%*

Note: (1-[(1-A)*(1-B)…]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,…). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G)* for further discussion of dampening.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: June 15, 2023
Project Name: Sunset + Everett
Project Scenario: Project
Project Address: 1187 W SUNSET BLVD, 90012

Version 1.3

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	291	-21.0%	230	7.5	2,183	1,725
Home Based Other Production	806	-29.4%	569	5.6	4,514	3,186
Non-Home Based Other Production	551	-2.2%	539	6.8	3,747	3,665
Home-Based Work Attraction	55	-34.5%	36	8.5	468	306
Home-Based Other Attraction	786	-25.6%	585	5.9	4,637	3,452
Non-Home Based Other Attraction	266	-3.0%	258	6.2	1,649	1,600

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-16.5%	192	1,440	-16.5%	192	1,440
Home Based Other Production	-16.5%	475	2,660	-16.5%	475	2,660
Non-Home Based Other Production	-16.5%	450	3,059	-16.5%	450	3,059
Home-Based Work Attraction	-16.5%	30	255	-16.5%	30	255
Home-Based Other Attraction	-16.5%	488	2,882	-16.5%	488	2,882
Non-Home Based Other Attraction	-16.5%	215	1,336	-16.5%	215	1,336

MXD VMT Methodology Per Capita & Per Employee

Total Population: 773
Total Employees: 38
APC: East Los Angeles

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**4,100**	**4,100**
Total Home Based Work Attraction VMT	**255**	**255**
Total Home Based VMT Per Capita	**5.3**	**5.3**
Total Work Based VMT Per Employee	**N/A**	**N/A**

Table 16: Opening Year (2027) Plus Project LOS and Queues

#	Study Intersection	Control Type	Opening Year (2027) No Project					Opening Year (2027) Plus Project				Movement[1]	Storage Length	Peak Hour 95th Percentile Queue[3] (ft.)						Project Contributes to Unacceptable Queuing[2]		
			Intersection LOS (AM/PM Peak Hour/Dodgers Scenario)[4]	Movement[1]	Peak Hour Directional LOS			Intersection LOS (AM/PM Peak Hour/Dodgers Scenario)[4]	Peak Hour Directional LOS					Opening Year (2027) No Project			Opening Year (2027) Plus Project					
					AM	PM	PM (Dodgers)		AM	PM	PM (Dodgers)			AM	PM	PM (Dodgers)	AM	PM	PM (Dodgers)	AM	PM	PM (Dodgers)
1	Sunset Blvd & Vin Scully Ave	Signalized	C/B/D	NBT	C	B	C	C/B/D	C	B	C	NBT	1,450	400	325	1250	425	325	1300	No	No	No
				NBR	A	A	B		A	A	B	NBR	100	<25	150	200	<25	175	225	No	No	No
				SBL	B	D	F		B	D	F	SBL	275	50	150	550	50	150	550	No	No	No
				SBT	B	A	A		B	A	A	SBT	600	350	300	150	375	325	175	No	No	No
				WBL	E	E	F		F	E	F	WBL	1,075	500	150	125	525	150	125	No	No	No
				WBR	E	E	F		F	E	F	WBR	1,075	100	50	50	100	50	50	No	No	No
2	Sunset Blvd & Marion Ave	Signalized	B/A/A	NBL	F	B	A	B/A/A	F	C	B	NBL	50	225	50	50	225	75	50	No	No	No
				NBT	A	A	A		A	A	A	NBT	1,025	250	325	325	250	325	325	No	No	No
				NBR	-	-	-		A	A	A	NBR	50	-	-	-	<25	<25	<25	No	No	No
				SBL	-	-	-		A	A	A	SBL	50	-	-	-	<25	<25	<25	No	No	No
				SBT	A	A	A		A	A	A	SBT	1,450	850	350	300	875	375	325	No	No	No
				SBR	A	A	A		A	A	A	SBR	150	<25	<25	<25	<25	<25	<25	No	No	No
				EBL	D	C	D		D	C	D	EBL	375	25	50	50	25	50	75	No	No	No
				EBT/R	D	D	D		D	D	D	EBT/R	375	50	75	100	75	100	100	No	No	No
				WBL/T/R	-	-	-		D	C	C	WBL/T/R	On-Site	-	-	-	25	<25	25	No	No	No
3	Sunset Blvd & Everett St	SSSC	E/F/F	SBL	-	-	-	E/F/F	-	-	-	SBL	100	<25	25	<25	<25	25	<25	No	No	No
				WBL/R	E	F	F		E	F	F	WBL/R	600	50	75	150	50	75	150	No	No	No
4	Sunset Blvd & Beaudry Ave	Signalized	B/E/E	NBL	D	D	C	B/E/E	D	D	C	NBL	100	150	175	100	150	175	100	No	No	No
				NBT	B	F	F		B	F	F	NBT	1,175	300	625	725	300	650	725	No	No	No
				NBR	B	B	F		B	B	F	NBR	125	<25	25	-	<25	25	-	No	No	No
				SBL	A	F	F		B	F	F	SBL	75	<25	75	100	<25	75	125	No	No	No
				SBT	A	A	A		A	A	A	SBT	1,025	175	200	150	200	200	150	No	No	No
				SBR	A	A	A		B	A	A	SBR	175	125	25	<25	125	25	<25	No	No	No
				EBL	D	F	F		D	F	F	EBL	875	150	575	625	150	600	625	No	No	No
				EBT/R	C	C	C		C	C	C	EBT/R	875	100	300	275	100	300	275	No	No	No
				WBL/T	C	D	D		C	D	D	WBL/T	425	150	100	100	150	100	100	No	No	No
				WBR	C	B	B		C	B	B	WBR	100	75	50	75	75	50	75	No	No	No

1. EBL= Eastbound left, EBT = Eastbound through, EBR = Eastbound right, WBL = Westbound left, WBT = Westbound through, WBR = Westbound right, NBL = Northbound left, NBT = Northbound through, NBR = Northbound right, SBL = Southbound left, SBT = Southbound through, SBR = Southbound right.

2. Unacceptable queuing as defined in the report text, per the *Los Angeles Department of Transportation Transportation Assessment Guidelines* (August 2022).

3. Queue lengths are outputs derived from the Opening Year Conditions Synchro model developed for this Project. The 95th percentile queue length is a conservative assumption commonly employed for intersection design considerations and does not represent the typical queue length an average driver would experience.

4. Intersection LOS for unsignalized intersections reported using the worst-performing movement.

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HYPERION EXECUTIVE PLANT MANAGER

WASTEWATER ENGINEERING
SERVICES DIVISION
2714 MEDIA CENTER DRIVE
LOS ANGELES, CA 90065
FAX: (323) 342-6210
WWW.LACITYSAN.ORG

October 17, 2023

Ms. Sherrie Cruz
CAJA Environmental Services, LLC.
9410 Topanga Canyon Blvd, Suite 101
Chatsworth, CA 91311.

Dear Ms. Cruz,

SUNSET AND EVERETT PROJECT – REQUEST FOR WASTEWATER SERVICES INFORMATION

This is in response to your October 5, 2023 letter requesting a review of your proposed mixed-use project located at 1185-1247 W Sunset Boulevard and 917 N Everett Street, Los Angeles, CA 90026. The project will consist of residential apartment units and commercial area. LA Sanitation has conducted a preliminary evaluation of the potential impacts to the wastewater and stormwater systems for the proposed project.

WASTEWATER REQUIREMENT

LA Sanitation, Wastewater Engineering Services Division (WESD) is charged with the task of evaluating the local sewer conditions and to determine if available wastewater capacity exists for future developments. The evaluation will determine cumulative capacity impacts and guide the planning process for any future sewer improvement projects needed to provide future capacity as the City grows and develops.

Projected Wastewater Discharges for the Proposed Project:

Type Description	Average Daily Flow per Type Description (GPD/UNIT)	Proposed No. of Units	Average Daily Flow (GPD)
Proposed			
Residential: APT - STUDIO	75 GPD/DU	13 DU	975
Residential: APT - 1 BDRM	110 GPD/DU	230 DU	25,300

Residential: APT - 2 BDRM	150 GPD/DU	79 DU	11,850
Residential: APT - 3 BDRM	190 GPD/DU	5 DU	950
Commercial	50 GPD/KGSF	9,462 SF	473
Swimming Pool	N/A	N/A	45,000
Total			**84,548 GPD**

SEWER AVAILABILITY

The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Sunset Blvd. The sewage from the existing 8-inch line feeds into a 12-inch line on Temple St. The sewage from the 12-inch line feeds into an 18-inch line on Fremont Ave before discharging into a 36-inch sewer line on 2nd St. Figure 1 shows the details of the sewer system within the vicinity of the project. The current flow level (d/D) in the 8-inch line cannot be determined at this time without additional gauging.

The current approximate flow level (d/D) and the design capacities at d/D of 50% in the sewer system are as follows:

Pipe Diameter (in)	Pipe Location	Current Gauging d/D (%)	50% Design Capacity
8	Sunset Blvd.	*	562,000 GPD
12	Temple St.	27	676,000 GPD
18	Fremont Ave.	50	1.41 MGD
36	2nd. St.	30	14.98 MGD

* No gauging available

Based on estimated flows, it appears the sewer system might be able to accommodate the total flow for your proposed project. Further detailed gauging and evaluation will be needed as part of the permit process to identify a specific sewer connection point. If the public sewer lacks sufficient capacity, then the developer will be required to build sewer lines to a point in the sewer system with sufficient capacity. A final approval for sewer capacity and connection permit will be made at the time. Ultimately, this sewage flow will be conveyed to the Hyperion Water Reclamation Plant, which has sufficient capacity for the project.

All sanitary wastewater ejectors and fire tank overflow ejectors shall be designed, operated, and maintained as separate systems. All sanitary wastewater ejectors with ejection rates greater than 30 GPM shall be reviewed and must be approved by LASAN WESD staff prior to other City plan check approvals. Lateral connection of development shall adhere to Bureau of Engineering Sewer Design Manual Section F 480.

This response letter is not intended to address any potential utility conflicts associated with the wastewater or stormwater conveyance systems. Construction of any type near any wastewater or stormwater conveyance infrastructure in the public right of way, or in/near any conveyance easement must be evaluated separately.

If you have any questions, please call Than Win at (323) 342-6268 or email at than.win@lacity.org.

STORMWATER REQUIREMENTS

LA Sanitation, Stormwater Program is charged with the task of ensuring the implementation of the Municipal Stormwater Permit requirements within the City of Los Angeles. We anticipate the following requirements would apply for this project.

POST-CONSTRUCTION MITIGATION REQUIREMENTS

In accordance with the Municipal Separate Storm Sewer (MS4) National Pollutant Discharge Elimination System (NPDES) Permit (Order No. R4-2012-0175, NPDES No. CAS004001) and the City of Los Angeles Stormwater and Urban Runoff Pollution Control requirements (Chapter VI, Article 4.4, of the Los Angeles Municipal Code), the Project shall comply with all mandatory provisions to the Stormwater Pollution Control Measures for Development Planning (also known as Low Impact Development [LID] Ordinance). Prior to issuance of grading or building permits, the applicant shall submit a LID Plan to the City of Los Angeles, Public Works, LA Sanitation, Stormwater Program for review and approval. The LID Plan shall be prepared consistent with the requirements of the Planning and Land Development Handbook for Low Impact Development.

Current regulations prioritize infiltration, capture/use, and then biofiltration as the preferred stormwater control measures. The relevant documents can be found at: www.lacitysan.org. It is advised that input regarding LID requirements be received in the preliminary design phases of the project from plan-checking staff. Additional information regarding LID requirements can be found at: www.lacitysan.org or by visiting the stormwater public counter at 201 N. Figueroa, 2nd Fl, Suite 280.

GREEN STREETS

The City is developing a Green Street Initiative that will require projects to implement Green Street elements in the parkway areas between the roadway and sidewalk of the public right-of-way to capture and retain stormwater and urban runoff to mitigate the impact of stormwater runoff and other environmental concerns. The goals of the Green Street elements are to improve the water quality of stormwater runoff, recharge local groundwater basins, improve air quality, reduce the heat island effect of street pavement, enhance pedestrian use of sidewalks, and encourage alternate means of transportation. The Green Street elements may include infiltration systems, biofiltration swales, and permeable pavements where stormwater can be easily directed from the streets into the parkways and can be implemented in conjunction with the LID requirements. Green Street standard plans can be found at: https://eng2.lacity.org/techdocs/stdplans/index.htm

CONSTRUCTION REQUIREMENTS

All construction sites are required to implement a minimum set of BMPs for erosion control, sediment control, non-stormwater management, and waste management. In addition, construction sites with active grading permits are required to prepare and implement a Wet Weather Erosion Control Plan during the rainy season between October 1 and April 15. Construction sites that disturb more than one-acre of land are subject to the NPDES Construction General Permit issued by the State of California, and are required to prepare, submit, and implement the Storm Water Pollution Prevention Plan (SWPPP).

If there are questions regarding the stormwater requirements, please call WPP's plan-checking counter at (213) 482-7066. WPD's plan-checking counter can also be visited at 201 N. Figueroa, 2nd Fl, Suite 280.

GROUNDWATER DEWATERING REUSE OPTIONS

The Los Angeles Department of Water and Power (LADWP) is charged with the task of supplying water and power to the residents and businesses in the City of Los Angeles. One of the sources of water includes groundwater. The majority of groundwater in the City of Los Angeles is adjudicated, and the rights of which are owned and managed by various parties. Extraction of groundwater within the City from any depth by law requires metering and regular reporting to the appropriate Court-appointed Watermaster. LADWP facilitates this reporting process, and may assess and collect associated fees for the usage of the City's water rights. The party performing the dewatering should inform the property owners about the reporting requirement and associated usage fees.

On April 22, 2016 the City of Los Angeles Council passed Ordinance 184248 amending the City of Los Angeles Building Code, requiring developers to consider beneficial reuse of groundwater as a conservation measure and alternative to the common practice of discharging groundwater to the storm drain (SEC. 99.04.305.4). It reads as follows: "Where groundwater is being extracted and discharged, a system for onsite reuse of the groundwater, shall be developed and constructed. Alternatively, the groundwater may be discharged to the sewer."

Groundwater may be beneficially used as landscape irrigation, cooling tower make-up, and construction (dust control, concrete mixing, soil compaction, etc.). Different applications may require various levels of treatment ranging from chemical additives to filtration systems. When onsite reuse is not available the groundwater may be discharged to the sewer system. This allows the water to be potentially reused as recycled water once it has been treated at a water reclamation plant. If groundwater is discharged into the storm drain it offers no potential for reuse. The onsite beneficial reuse of groundwater can reduce or eliminate costs associated with sewer and storm drain permitting and monitoring. Opting for onsite reuse or discharge to the sewer system are the preferred methods for disposing of groundwater.

To help offset costs of water conservation and reuse systems, LADWP offers a Technical Assistance Program (TAP), which provides engineering and technical assistance for qualified projects. Financial incentives are also available. Currently, LADWP provides an incentive of $1.75 for every 1,000 gallons of water saved during the first two years of a five-year conservation project. Conservation projects that last 10 years are eligible to receive the incentive during the first four years. Other water conservation assistance programs may be available from the Metropolitan Water District of Southern California. To learn more about available water conservation assistance programs, please contact LADWP Rebate Programs 1-888-376-3314 and LADWP TAP 1-800-544-4498, selection "3".

For more information related to beneficial reuse of groundwater, please contact Greg Reed, Manager of Water Rights and Groundwater Management, at (213)367-2117 or greg.reed@ladwp.com.

SOLID RESOURCE REQUIREMENTS

The City has a standard requirement that applies to all proposed residential developments of four or more units or where the addition of floor areas is 25 percent or more, and all other development projects where the addition of floor area is 30 percent or more. Such developments must set aside a recycling area or room for onsite recycling activities. For more details of this requirement, please contact LA Sanitation Solid Resources Recycling hotline 213-922-8300.

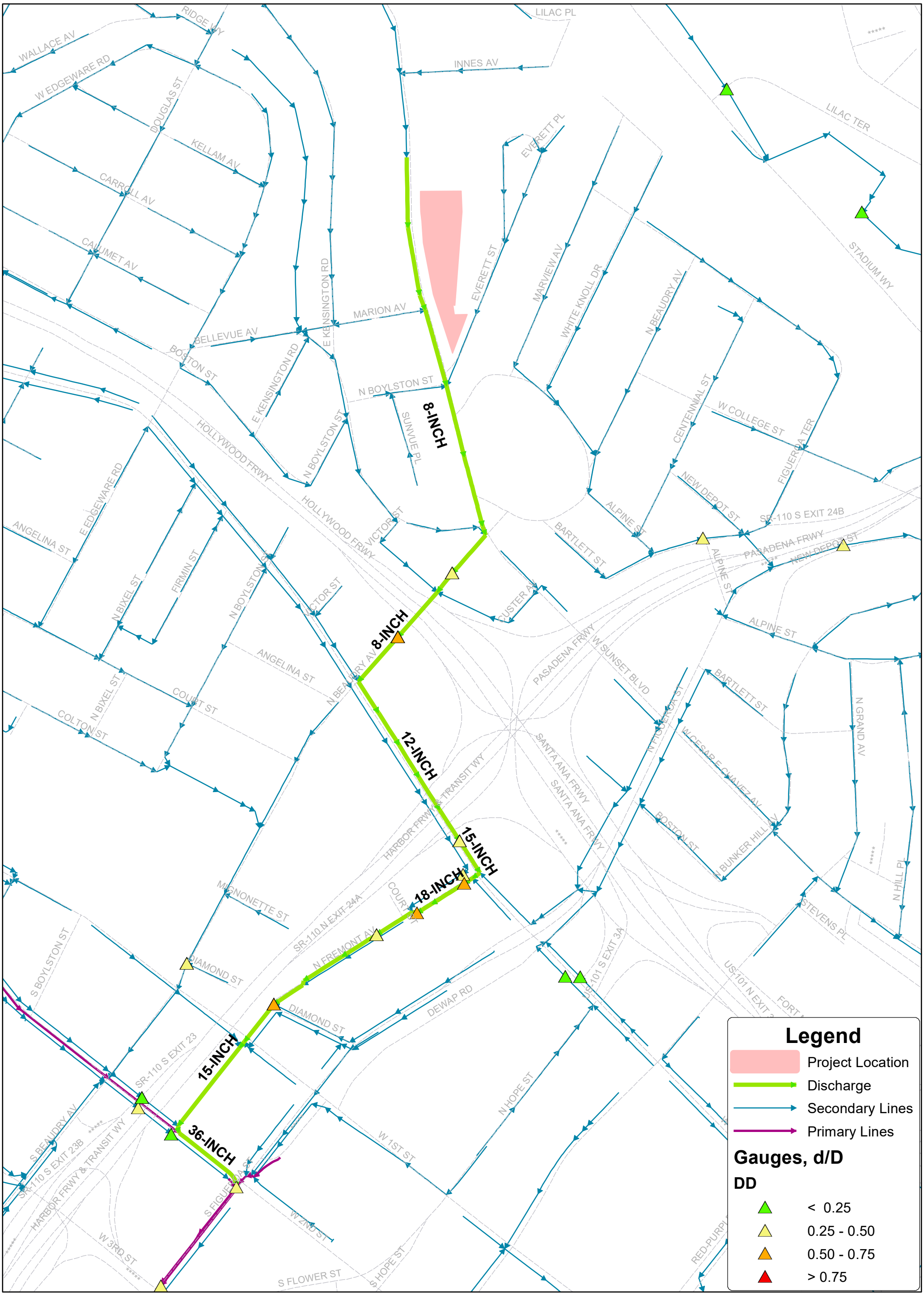
Sincerely,

Rowena Lau, Division Manager
Wastewater Engineering Services Division
LA Sanitation and Environment

RL/TW: ra

Attachment: Figure 1 - Sewer Map

c: Julie Allen, LASAN
Michael Scaduto, LASAN
Spencer Yu, LASAN
Than Win, LASAN



Wastewater Engineering Services Division
Bureau of Sanitation
City of Los Angeles

Figure 1
SUNSET AND EVERETT PROJECT
Sewer Map

Thomas Brother Data reproduced with permission granted by THOMAS BROS MAP

Los Angeles Department of Water & Power

BUILDING A STRONGER L.A.

Karen Bass, Mayor

Board of Commissioners
Cynthia McClain-Hill, President
Nicole Neeman Brady, Vice President
Nurit Katz
Mia Lehrer
George S. McGraw
Chante L. Mitchell, Secretary

Martin L. Adams, General Manager and Chief Engineer

December 1, 2023

Ms. Sherrie Cruz
CAJA Environmental Services, LLC
9410 Topanga Canyon Blvd, Suite 101
Chatsworth, CA 91311

Dear Ms. Cruz,

Subject: Los Angeles Department of Water and Power Water and Electricity Connection Services Request 1185-1247 W. Sunset Project

The Los Angeles Department of Water and Power (LADWP) is in receipt of your letter dated October 5, 2023 requesting LADWP's ability to provide water and electric services for the Sunset and Everett Project (Project).

Project Description:

The Sunset and Everett Project is located at 1185-1247 W. Sunset Boulevard and 917 N. Everett Street, Los Angeles, CA 90026. (Thomas Brothers Map: 634-F1, 634-F2).

Existing Uses: The Project Site is vacant and devoid of structures.

Proposed Project: The Project will construct a mixed-use residential and commercial development with 327 residential units (286 market-rate units and 41 affordable units), and 9,462 square feet of commercial space that could be high-turnover sit-down restaurant. The number of seats in the restaurant is not known. The Project includes 13 studio units, 230 1-bedroom units, 79 2-bedroom units, and five 3-bedroom units. There will be an approximately 45,000-gallon pool (20 feet x 60 feet). The backwash rate is not known. There is no spa.

Regarding water needs for the proposed Project, this letter does not constitute a response to a Water Supply Assessment (WSA) pursuant to California State Water Code Sections 10910-10915 for development projects to determine the availability of long-term water supply. Depending on the Project scope, a WSA by the water supply agency may need to be requested by the California Environmental Quality Act (CEQA) Lead Agency and completed prior to issuing a draft Negative Declaration or draft Environmental Impact Report (EIR).
If a Lead Agency determines that the proposed Project parameters (e.g., development details such as type, square footage, anticipated water demand, population increase, etc.) are such that they are subject to state law requiring a WSA, a separate request must be made in writing and sent to:

Mr. Anselmo Collins
Senior Assistant General Manager – Water System
Los Angeles Department of Water and Power
111 North Hope Street, Room 1455
Los Angeles, CA 90012

If you have any further questions regarding the water supply assessment process, please contact Mr. Delon Kwan, at (213) 367-2166 or by e-mail at Delon.Kwan@ladwp.com,

Below you will find some information about water needs.

Water Needs

As the Project proceeds further in the design phase, we recommend the Project applicant or designated Project Management Engineer contact Mr. Hugo Torres at (213) 367-2130 or by e-mail at Hugo.Torres@ladwp.com to make arrangements for water supply service needs.

The following responses are provided regarding impacts to water service.

1. Please describe sizes and capacities of existing water mains that would serve the Project Site.

   There is a 12-inch main that turns into an 8-inch main in Sunset Blvd and an 8-inch main that turns into a 12-inch main in Everett St that can be used to establish fire and domestic services. If the water mains on in Sunset Blvd and Everett St cannot meet the required demands, upgrades will be required at the customer's expense.

2. Are there any existing water service problems/deficiencies in the Project area?

   There are no known deficiencies. However, it is recommended that the developer contact LADWP's Central District Engineering at dwpws.central@ladwp.com to discuss required modifications to the water distribution system early on.

3. Would LADWP be able to accommodate the Project's demand for water service with the existing infrastructure in the Project area? If not, what new infrastructure or upgrades to infrastructure would be needed?

   LADWP should be able to provide the domestic needs of the project from the existing water system. LADWP cannot determine the impact on the existing water system until the fire demands of the project are known. Once a determination of the fire demands has been made, LADWP will assess the need for additional facilities, if needed.

4. How does the City anticipate and plan for future water service needs?

The LADWP works closely with the City of Los Angeles, Department of City Planning to develop and update our Urban Water Management Plan (UWMP) every five years. The UWMP is the planning document for future water demands for the City. The UWMP identifies short-term and long-term water resources management measures to meet growing water demands during normal, single-dry, and multiple-dry years over a 25-year horizon. The City's water demand projection in the UWMP was developed based on the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) demographic projection by the Southern California Association of Governments (SCAG).

See the following link to the 2020 UWMP: http://www.ladwp.com/uwmp.

In general, projects that conform to the demographic projection from the RTP/SCS by SCAG and are currently located in the City's service area are considered to have been included in LADWP's water supply planning efforts; therefore, the projected water supplies would meet projected demands.

5. In order to assess the proposed Project's future consumption of water, please provide your recommended rates. Land Use: ___ gallons / unit / day.

   For estimating a project's indoor water demand, we use applicable sewer generation factors (sgf). Please refer to the current factors at the following link: https://engpermitmanual.lacity.org/sewer-s-permits/technical-procedures/sewage-generation-factors-chart or contact the LADWP Water Resources' Development group for a copy of the factors.

   For outdoor (landscape) water demand, we use California Code of Regulations Title 23. Division 2. Chapter 2.7. Model Water Efficient Landscape Ordinance. Please refer to the following link: https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Model-Water-Efficient-Landscape-Ordinance.
   If the proposed project scope includes cooling tower(s), consult a mechanical engineer to estimate the cooling water demand.

   Applicants are encouraged to commit to water conservation measures that are beyond the current codes and ordinances, to lower the net additional water demand for the proposed project.

6. Please provide any recommendations that might reduce any potential water supply impacts that would be associated with the Project.

   Applicants are encouraged to commit to water conservation measures that are beyond the current codes and ordinances, in order to lower the net additional water demand for the proposed project. Also, applicants are encouraged to use water efficient fixtures and appliances in the proposed project. For more information on water conservation in the City of Los Angeles, please visit the LADWP website https://www.ladwp.com/waterconservation.

Power Needs

It should be noted that the Project Applicant may be financially responsible for some of infrastructure improvements (e.g., installation of electric power facilities or service connections) necessary to serve the proposed Project.

As the Project proceeds further, please contact one of our Engineering Offices, as listed on Pages 1-4 of the Electric Service Requirements (available on-line at www.ladwp.com) for dealing with power services and infrastructure needs.

1) Please describe the sizes and voltages of existing electrical distribution lines and facilities that would serve the project site and the surrounding area. Please include a map illustrating your description.

The Power Capacity Map provides the Los Angeles Department of Water and Power's customers with insight about the available load capacity throughout the City of Los Angeles. Los Angeles Department of Water and Power: Power Capacity Map (arcgis.com).

2) Are there any existing electricity service problems/deficiencies in the project area?

No; however, the cumulative effect of this and other new and added loads in the area may require near term and/or future additions to distribution system capacity.

3) Would the DWP be able to accommodate the proposed project's demand for electricity service with the existing infrastructure in the project area? If not, what new infrastructure would be needed to meet the proposed project's demand for electricity?

This cannot be answered without review of the Project developer's electrical drawings and load schedules. However, the cumulative effects of this and other Projects in the area will require the LADWP to construct additional distribution facilities in the future. Typically, new project interconnections may require on-site transformation and line extension on public streets.

4) Would the DWP be able to accommodate the proposed project's demand for electricity with existing electricity supplies?

Electric Service is available and will be provided in accordance with the LADWP's Rules Governing Water and Electric Service (available on-line at https://www.ladwp.com under Commercial/Customer Service/Electric Services/Codes & Specifications). The availability of electricity is dependent upon adequate generating capacity and adequate fuel supplies. The estimated power requirement for this proposed Project is part of the total load growth forecast for the City of Los Angeles and has been considered in the planned growth of the City's power system.

LADWP's load growth forecast incorporates construction activity and is built into the commercial floor space model; the McGraw Hill Construction report identifies all large projects. In planning sufficient future resources, LADWP's Power Integrated Resource Plan incorporates the estimated power requirement for the proposed Project through the load forecast input and has planned sufficient resources to supply the electricity needs.

5) In order to assess the proposed project's future consumption of electricity, please provide us with your recommended rates. Land Use: multi-family residential = Kilowatt-hour / unit / year

LADWP does not provide consumption rates.

Water Conservation

LADWP is always looking for means to assist its customers to use water resources more efficiently and welcomes the opportunity to work with new developments to identify water conservation opportunities. Some water conservation measures are enclosed. The LADWP website contains a current list of the available rebates and incentive programs, including the performance based Custom Water Conservation

Technical Assistance Program (WCTAP,https://www.ladwp.com/ladwp/faces/wcnav_externalId/a-w-cstm-wtr-prjct-tap?_adf.ctrl-state=h8fsat92s_4&_afrLoop=3392823718109) for commercial, industrial, institutional and multi-family residential customers up to $250,000 for the installation of pre-approved equipment which demonstrates water savings. Mr. Mark Gentili is the Water Conservation Program Manager and can be reached at (213) 367-8556 or by e-mail at Mark.Gentili@ladwp.com. See the following link for LADWP water conservation rebate information on our website: https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-water/a-w-conservation

Energy Efficiency

LADWP suggests consideration and incorporation of energy- efficient design measures (enclosed) for building new commercial and/or remodeling existing facilities. Implementation of applicable measures would exceed Title 24 energy efficiency requirements. LADWP continues to offer a number of energy efficiency programs to reduce peak electrical demand and energy costs. For further information please contact Ms. Lucia Alvelais, Utility Services Manager, at (213) 367-4939 or by e-mail at Lucia.Alvelais@ladwp.com. See the following link for LADWP energy efficiency rebate information on our website: https://www.ladwp.com/ladwp/faces/ladwp/aboutus/a-power/a-p-energyefficiencyandrebates

Solar Energy

Solar power is a renewable, nonpolluting energy source that can help reduce our dependence on fossil fuels. Mr. Arash Saidi is the Solar Energy Program Manager and can be reached at (213) 367-4886 or by e-mail at Arash.Saidi@ladwp.com.
For more information about the Solar Programs, please visit the LADWP website: www.ladwp.com/solar or www.ladwp.com/fit regarding the Feed-In Tariff Program. To begin the process of integrating a net-metered solar system, please visit this website: www.ladwp.com/NEM.

For more information on other rebates and programs, please visit the LADWP website:https://www.ladwp.com/ladwp/faces/ladwp/commercial/c-savemoney/c-sm-rebatesandprograms

Electric Vehicle Transportation

LADWP is encouraging the installation of convenient electric vehicle (EV) charging stations for the home, workplace, and public charging to support the adoption of EVs in the City. Mr. Yamen Nanne is the Electric Vehicle Program Manager and can be reached at (213) 367-2585 or via email at Yamen.Nanne@ladwp.com.
For more information on LADWP EV discount rates and charging incentives for residential and business customers, please visit the website: www.ladwp.com/ev. If you would like a Customer Service Representative to answer your questions or review your account and help you decide on the best option, please call us at 1-866-484-0433 or email us at PluginLA@ladwp.com.

Please include LADWP in your mailing list and address it to the attention of
Ms. Jane Hauptman in Room 1044 for review of the environmental document for the proposed Project.

Ms. Jane Hauptman
Manager of Environmental Planning and Assessment
Los Angeles Department of Water and Power
111 North Hope Street, Room 1044
Los Angeles, CA 90012

If there are any additional questions on this utility services request, please contact
Mr. David Norris of the Environmental Planning and Assessment Group at (213) 367-3509.

Sincerely,

Jane Hauptman
Manager of Environmental Planning and Assessment

DN:th
Enclosures
c: Mr. Delon Kwan
Mr. Yamen Nanne
Mr. Anselmo Collins
Mr. Mark Gentili
Mr. Arash Saidi
Ms. Lucia Alvelais
Mr. Hugo Torres

CAJA Environmental Services, LLC

9410 Topanga Canyon Boulevard, Suite 101, Chatsworth, CA 91311
Phone 310-469-6700

June 11, 2024

Los Angeles Department of City Planning
Esther Ahn, City Planner, esther.ahn@lacity.org

Responses to Comments re: Sunset and Everett Project (Project)

We write in response to the comment letters received on the Sunset and Everett Project (CPC-2023-5528-DB-SPR-HCA-MCUB and ENV-2023-5529-SCEA), which includes a Sustainable Communities Environmental Assessment (SCEA) pursuant to the California Environmental Quality Act (CEQA).

The Project Site is located on the east side of Sunset Boulevard, north of Everett Street, in the Silver Lake-Echo Park-Elysian Valley Community Plan area of the City of Los Angeles. The Site is currently vacant. The Applicant proposes the development of a mixed-use project comprised of two buildings with 327 residential units, including 41 Very Low Income affordable units, and approximately 9,462 square feet of ground-floor commercial space. The Project's two buildings contain a total of 321,300 square feet of floor area.

A hearing for the Project was conducted on April 16, 2024, and the following Comment Letters were received in connection with the Project:

- Lozeau Drury Law Firm representing the Supporters Alliance for Environmental Responsibility (SAFER), dated April 15, 2024
- Shalane Miller, April 16, 2024
- Matt Morello, April 16, 2024
- Evan Whale, April 18, 2024
- Clay Bush, April 24, 2024

Responses to the Comment Letters are provided below. The individual comments within the Comment Letters will be identified as **Comment "X"**. The individual responses will be identified as **Response to Comment "X**".

These Responses include the following Exhibits:

A Health Risk Assessment Evaluation, Air Quality Dynamics, May 20, 2024

B Signal Warrant Analysis, Fehr & Peers, May 2024

C Biological Responses to Comments, South Environmental, June 4, 2024

SAFER
April 15, 2024

SAFER Comment 1

This comment is submitted on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the Sustainable Communities Environmental Assessment ("SCEA") prepared for the Sunset and Everett Project (ENV-2023-5529-SCEA) ("Project"), which proposes construction of two 7 story mixed-use residential and commercial buildings with a total of 327 residential units and 263 on-site parking spaces: one subterranean, one partially subterranean, and one at-ground and above-grade level on a vacant asphalted parcel located at 1185 Sunset Boulevard; 1185, 1187, 1193, 1195, 1197, 1201, 1205, 1207, 1211, 1215, 1221, 1225,1229, 1233, 1239, 1243, 1245, 1247 W. Sunset Boulevard and 917 N. Everett Street in the City of Los Angeles.

SAFER is concerned that the SCEA fails to adequately analyze the Project's potentially significant environmental impacts, and fails to impose all feasible mitigation measures to reduce the Project's impacts. SAFER requests the Planning Development Department prepare an environmental impact report ("EIR") for the Project rather than a SCEA.

SAFER reserves the right to supplement these comments throughout the administrative process. Galante Vineyards v. Monterey Peninsula Water Management Dist., 60 Cal. App. 4th 1109, 1121 (1997).

Response to SAFER Comment 1

The comment is an introduction and summary of the Project and introduces the claims of the comment letter.

As set forth in the responses below, as well as additional responses and evidence contained in the administrative record such as the SCEA and its Appendices, the Project will not result in potential impacts, including but not limited to potential air quality and health risk impacts or biological impacts. The SCEA complied with CEQA, conducted a project-level analysis, and included mitigation measures as appropriate.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

SAFER Comment 2

I. LEGAL BACKGROUND

Sustainable Communities Environmental Assessment under SB 375.

CEQA allows for the streamlining of environmental review for "transit priority projects" meeting certain criteria. Pub. Res. Code §§ 21155, 21155.1, 21155.2. To qualify as a transit priority project, a project must

(1) contain at least 50 percent residential use, based on total building square footage and, if the project contains between 26 percent and 50 percent nonresidential uses, a floor area ratio of not less than 0.75;

(2) provide a minimum net density of at least 20 dwelling units per acre; and

(3) be within one-half mile of a major transit stop or high-quality transit corridor included in a regional transportation plan.

Pub. Res. Code § 21155(b). A transit priority project is eligible for CEQA's streamlining provisions where,

> *[The project] is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy, for which the State Air Resources Board . . . has accepted a metropolitan planning organization's determination that the sustainable communities strategy or the alternative planning strategy would, if implemented, achieve the greenhouse gas emission reduction targets.*

Pub. Res. Code § 21155(a). In 2020, the Regional Council for the Southern California Association of Governments ("SCAG") formally adopted the Connect SoCal 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy ("2020 RTP/SCS"), which was accepted by CARB on October 30, 2020.

If "all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports and adopted in findings made pursuant to Section 21081" are applied to a transit priority project, the project is eligible to conduct environmental review using a sustainable communities environmental assessment ("SCEA"). Pub. Res. Code § 21155.2. A SCEA must contain an initial study which "identif[ies] all significant or potentially significant impacts of the transit priority project . . . based on substantial evidence in light of the whole record." Pub. Res. Code § 21155.2(b)(1). The initial study must also "identify any cumulative effects that have been adequately addressed and mitigated pursuant to the requirements of this division in prior applicable certified environmental impact reports." Id. The SCEA must then "contain measures that either avoid or mitigate to a level of insignificance all potentially significant or significant effects of the project required to be identified in the initial study." Pub. Res. Code §21155(b)(2). The SCEA is not required to discuss growth inducing impacts or any project specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network. Pub. Res. Code § 21159.28(a).

After circulating the SCEA for public review and considering all comments, a lead agency may approve the SCEA with findings that all potentially significant impacts have been identified and mitigated to a less-than-significant level. Pub. Res. Code § 21155(b)(3), (b)(4), (b)(5). A lead agency's approval of a SCEA must be supported by substantial evidence. Pub. Res. Code §21155(b)(7).

Response to SAFER Comment 2

The comment summarizes the legal background regarding CEQA and the preparation of a SCEA.

The comment does not state a specific concern or question regarding the adequacy of the SCEA in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

SAFER Comment 3

II. DISCUSSION

A. The City May Not Rely on the SCEA Because the Project is Not Consistent with the General Plan.

The City may only rely on a SCEA if [The project] is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area. Pub. Res. Code § 21155(a).

The Project is not consistent with the general plan density and building intensity. The zoning allows a floor area ratio (FAR) of 1.5:1. However the Project has a FAR of 3:1 – double the FAR allowed by the zoning. (SCEA p. 3-12).

The zoning allows a maximum building height of 57-feet. The Project is proposed to be 91-feet in height. (SCEA p. 2-13).

Since the Project is not consistent with the General Plan and zoning, the City may not rely on a SCEA.

Response to SAFER Comment 3

The commenter misconstrues the qualifying criteria for the use of a SCEA. To rely on a SCEA, a project must be consistent with the general use designation, density, building intensity, and applicable policies of *SCAG's 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)*, not the policies and standards of the City's General Plan and zoning regulations Thus, a project need not be consistent with the City's General Plan and/or zoning designations in order to rely on a SCEA. Nonetheless, the Project is consistent with the City's General Plan and zoning designations, except to the extent permitted by the State Density Bonus Law, in addition to being consistent with the 2020-2045 RTP/SCS.

First, the SCEA provides substantial evidence that the Project is consistent with the general use designation, density, building intensity of the 2020-2045 RTP/SCS. See Section 2.1 of the SCEA. The core vision of the 2020-2045 RTP/SCS is to build upon and expand land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The 2020-2045 RTP/SCS focuses on transportation infrastructure and existing job centers in order to determine where future growth of employment and households would likely occur. Priority Growth Areas (PGAs) have been identified in the region where growth is forecasted to occur due to proximity to existing and planned transit, existing job centers, existing and planned infrastructure to support more walkability and use of alternative transportation modes, and in areas identified for jurisdictional expansion (i.e., spheres of influence). These PGAs include Transit Priority Areas, High Quality Transit Areas, Job Centers, Livable Corridors, and Neighborhood Mobility Areas. Collectively, these PGAs are anticipated to contain 95 percent of the growth in the region through the horizon year of 2045. The City evaluates consistency with the 2020-2045 RTP/SCS by looking at a Project's ability to meet policies related to the identified PGAs. The Project Site is located within and advances the policy considerations behind multiple identified PGAs.

- The Project Site is located adjacent to the Downtown Los Angeles Job Center.
- The Project Site is located within a Transit Priority Area due to its proximity to the intersection of intersection of Sunset Boulevard/Cesar Chavez Avenue and Figueroa Street, 2,075 feet southeast of the Site, which is served by Metro bus lines 4, 55, and 60. These lines have headways of 15 minutes or less during peak hours.

- The Project Site is located within a High-Quality Transit Area due to its proximity to the intersection of Sunset Boulevard which has transit routes with a 15 minute or less service frequency during peak commute hours.

- The Project Site is located within a mapped Neighborhood Mobility Area.

- The nearest Livable Corridor to the Project Site is Sunset Boulevard, located adjacent west of the Project Site.

The SCEA explains how the Project's location, scale, and mixture of land uses would be consistent with its designation within these PGAs, which, in turn, indicates consistency with the use designations, density, and buildings intensity of the 2020-2045 RTP/SCS. Table 4-1 and Table 4-2 of the SCEA provides detailed analysis about how the Project is consistent with the applicable goals and guiding principles and strategies, respectively, of SCAG's 2020-2045 RTP/SCS.

Therefore, the SCEA demonstrates that the Project is consistent with the general use designation, density, building intensity, and applicable policies of SCAG's 2020-2045 RTP/SCS.

Further, although not a prerequisite for reliance on a SCEA, the Project is consistent with the City's General Plan and zoning designations. The Project is not requesting a General Plan Amendment or a zone change. The Project's consistency with the applicable goals, objectives and policies of the General Plan Framework Element is demonstrated in Table 5.11-2 of the SCEA. The Project's consistency with the other General Plan elements is provided on pages 5-199 to 5-204 of the SCEA. The Project's consistency with the Silver Lake-Echo Park-Elysian Valley Community Plan is demonstrated in Table 5.11-4 of the SCEA. Finally, the SCEA also describes how the Project is consistent with the existing C2-1VL zoning designation, except to the extent permitted by the State Density Bonus Law, which supersedes local zoning regulations. Specifically, benefits earned under the State Density Bonus Law do not create inconsistencies with local general plan and zoning regulations (see Gov. Code Sections 65915(f)(5) and 65915(j)(1)).

The Project is eligible to receive up to three density bonus incentives/concessions. The Project is requesting an on-menu density bonus incentive (per LAMC Section 12.22.A.25(f)(4)(ii)) to allow an increase in the FAR to 3.0:1. This on-menu incentive is available to projects in commercial zones in Height District 1 (including 1VL) that front on a Major Highway, contain sufficient affordable units to qualify for a 35% density bonus, and are located within 1,500 feet of a Metro Rapid Bus Stop. The Project meets each of these criteria. The Project is also seeking an on-menu incentive to permit a thirty percent reduction in open space and an off-menu incentive to allow increased building height, as described in the entitlement application case materials. Each of these requests is properly made under State Density Bonus Law, and therefore do not result in any inconsistencies with the General Plan or zoning designation for the site.

SAFER Comment 4

B. The City May Not Rely on the SCEA Because the Project is Inconsistent with the SCS.

If "all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports and adopted in findings made pursuant to Section 21081" are applied to a transit priority project, the project is eligible to conduct environmental review using a sustainable community environmental assessment ("SCEA"). Pub. Res. Code § 21155.2.

The Project fails to implement mitigation measures and performance standards required by the Sustainable Communities Strategy (SCS).

Response to SAFER Comment 4

The comment claims the Project does not comply with the SCS. As discussed in Table 4-1 and Table 4-2 of the SCEA, the Project would be consistent with the applicable goals and guiding principles and strategies, respectively, of SCAG's 2020-2045 RTP/SCS. The Mitigation Monitoring and Reporting Program for the 2020-2045 RTP/SCS Program EIR (SCAG MMRP) includes programmatic mitigation measures to be implemented by SCAG and project-level mitigation measures that SCAG encourages local agencies to implement, as appropriate and feasible, as part of project-specific environmental review.

First, mitigation measures are not required for effects which are not found to be significant (CEQA Guidelines Sections 15126.4(3)). A lead agency only has authority to require mitigation to substantially lessen or avoid significant effects on the environment, consistent with applicable constitutional requirements such as the "nexus" and "rough proportionality" standards established by case law[1] (CEQA Guidelines Section 15041). A discussion of the City's significance determination for each impact area is found in Section 5 of the SCEA, which includes a determination for each impact area of whether mitigation may be applicable.

Second, the lead agency, not SCAG, has sole authority to impose mitigation measures on individual projects. Accordingly, for projects seeking to use a SCEA, the City determines which project-level mitigation measures included in the SCAG MMRP (or comparable measures) should be required by the local lead agency as appropriate and feasible. Many lead agencies have existing regulations, policies, and/or standard conditions of approval that address potential impacts. Nothing in the SCAG Program EIR is intended to supersede existing regulations and policies of individual jurisdictions. Since SCAG has no authority to impose mitigation measures, mitigation measures to be implemented by local jurisdictions are subject to a lead agency's independent discretion as to whether measures are applicable to projects in their respective jurisdictions. Lead agencies may use, amend, or not use measures identified in the Program EIR, as appropriate, to address project-specific conditions. The determination of significance and identification of appropriate mitigation is solely the responsibility of the lead agency.

To comply with PRC Section 21151.2, the City of Los Angeles (City) has reviewed all mitigation measures contained in the SCAG MMRP and determined their applicability to the Project. For each such mitigation measure, the City considered whether to incorporate the mitigation measure from SCAG's Program EIR or whether an equally effective existing City mitigation measure, standard condition of approval, or other City regulation or federal, state, or regional regulation would supersede SCAG's mitigation measures. A discussion of the City's applicability determination for the measures contained in the SCAG MMRP is found in Section 6 of the SCEA.

Finally, the SCEA is subject to the deferential substantial evidence standard, not the fair argument standard (Pub Res Code Section 21155.2(b)(1) and (7)). Analysis contained in Sections 5 and 6 of the SCEA provides substantial evidence supporting the City's conclusions. Thus, the City is under no obligation under CEQA to accept any particular environmental impact mitigation measures suggested by third parties.[2]

1 *(Nollan v. California Coastal Commission (1987) 483 U.S. 825, Dolan v. City of Tigard* (1994) 512 U.S. 374, Ehrlich v. City of Culver City, (1996) 12 Cal. 4th 854, emphasis added.)

2 *A Local & Regional Monitor (ALARM) v. City of Los Angeles* (1993) 12 Cal.App.4th 1773, 1809.

SAFER Comment 5

SCS Goal 5 is to reduce greenhouse gases (GHGs) and improve Air Quality. (SCEA p. 4-20). The SCS requires projects to promote low emission technologies such as electric vehicles (eVs). (SCEA p. 4-19). The SCS requires projects to include solar energy and power storage. (SCEA p. 4-20).

Response to SAFER Comment 5

As described in **Response to SAFER Comment 4** and in the SCEA itself, the Project would be consistent with the applicable goals and guiding principles and strategies, respectively, of SCAG's 2020-2045 RTP/SCS. A project is considered consistent with the provisions and general policies of applicable City or regional land use plans and regulations if it is consistent with the overall intent of the plan or regulation and would not preclude the attainment of its primary goals. More specifically, according to the ruling in *Sequoyah Hills Homeowners Association v. City of Oakland* (1993) 23 Cal.App.4th.704, 719, state law does not require an exact match between a project and the applicable plan. Rather, to be "consistent," the project must be "compatible with the objectives, policies, general land uses, and programs specified in the applicable plan," meaning that a project must be in "agreement or harmony" with the applicable land use plan to be consistent with that plan.

As specifically described in the SCEA (Table 4-1), the Project is consistent with SCS Goal 5 regarding reductions in GHG emissions and improvement of air quality; as also set forth in the SCEA, the Project's potential GHG and air quality impacts would be less than significant. Specifically, the Project Site's location near robust transit opportunities (high frequency bus service along Sunset Boulevard) would further reduce dependence on automobile travel, reducing VMT and associated pollutant emissions.

Furthermore, the Project is consistent with the 2020-2045 RTP/SCS's strategy and measure regarding the promotion of low-emission technologies by, among other things, providing parking spaces with electric vehicle (EV) charging equipment; Table 3-10 of the SCEA summarizes the amount of EV spaces provided by the Project. Of the Project's 263 vehicle parking spaces, the Project will provide 172 EV spaces (79 will be EV capable, 66 will be EV chargers, and 27 will be EV ready). See **Response to SAFER Comment 7** for further discussion of this topic.

Regarding solar energy and power storage, as described in Table 4-1 of the SCEA, the SCS does not mandate that individual projects provide solar energy and power storage; the measure referenced by the commenter is applicable to public agencies and recommends that policies be developed to support the incorporation of micro-power grids in communities. Notwithstanding the inapplicability of this measure to individual development projects, the Project will provide solar ready roofs per current Title 24 and Energy Code requirements, unless exempt due to the implementation of other identified GHG emission reduction measures (e.g., smart thermostats and Energy Star rated dishwashers and refrigerators in every unit). See **Response to SAFER Comment 6** for further discussion of this topic.

SAFER Comment 6

Solar Panels: Despite these requirements, the Project includes only a "solar-ready" roof. This means that the roof can support solar photo-voltaic panels, but no such panels will necessarily be installed. Installing solar panels is clearly feasible, and so should be required for the Project to be consistent with the SCS.

Response to SAFER Comment 6

As described in **Response to SAFER Comment 5**, contrary to the commenter's assertion, the 2020-2045 RTP/SCS does not include any requirement for individual projects to include solar photo-voltaic panels. The measure the commenter is apparently referencing encourages public agencies to identify ways to incorporate "micro-power grids" in communities, and the potential incorporation of solar energy into such micro-power grids is identified by the same measure. In no way can this recommended policy measure be understood to mandate the installation of solar panels at the Project.

Notwithstanding the inapplicability of this measure to the Project, the Project will fully comply with all applicable Title 24 and Energy Code requirements regarding energy conservation and efficiency, including the provision of solar-ready roofs, as described in the SCEA. Moreover, as also described in the SCEA, the Project will not result in any potentially significant impacts regarding GHG emissions, air quality, or energy consumption, such that additional measures or project features would be necessary to reduce or eliminate an impact. Furthermore, this comment is unsubstantiated opinion and discusses potential economic impacts regarding the alleged feasibility of installing solar panels. The commenter does not provide substantial evidence that the Project, with or without solar panels, would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

SAFER Comment 7

EV Charging: Despite the above policies in the SCS, the Project only includes the bare minimum 10% electric vehicle charging. (SCEA p. 3-17). While additional parking spaces are EV-ready, they will not be equipped with EV charging stations. 100% EV charging is feasible and should be required. Not only would this comply with SCS Goal 5, but also SCS Goal 8: Leverage new transportation technologies. (SCEA p. 4-19).

Response to SAFER Comment 7

As described in **Response to SAFER Comment 5**, the Project is consistent with the 2020-2045 RTP/SCS's strategy and measure regarding the promotion of low-emission technologies, including the provision of EV parking spaces. Pursuant to LAMC Section 99.04.106.4.2.2 and as noted on page 3-17 of the SCEA, the Project will provide 172 EV spaces (79 will be EV capable, 66 will be EV chargers, and 27 will be EV ready).

The comment claims that it would be feasible to provide all parking spaces as EV spaces and therefore this should be required for the Project, but does not provide any evidence of the Project's currently proposed EV spaces being in conflict with the RTP/SCS. The Project complies with the required provision of spaces for each type of EV category. There is no justification to exceed what is required.

The comment also does not state the full text of SCS Goal 8, which is to "Leverage new transportation technologies and data-driven solutions that result in more efficient travel." [underline added for emphasis]. By not including the full text, the comment evades what is applicable to the Project. This goal is directed toward SCAG and other jurisdictions that are responsible for developing, maintaining, and improving the regional transportation system. The Project is a mixed-use infill development located within an existing circulation system and will provide EV spaces and bicycle parking spaces in compliance with applicable

requirements and in alignment with SCAG's mobility and GHG reduction goals. The Project does not and cannot individually leverage new transportation technologies or data-driven solutions to result in more efficient travel.

The comment is unsubstantiated opinion and discusses potential economic impacts regarding the alleged feasibility of installing additional EV charging infrastructure. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

SAFER Comment 8

Battery Storage: Despite the above SCS policies, the Project does not appear to include any battery storage. The SCS requires solar energy and power storage. (SCEA p. 4-20). Battery storage is feasible and should be included in the Project along with solar PV.

Response to SAFER Comment 8

As described in **Response to SAFER Comment 5** and **Response to SAFER Comment 6**, contrary to the commenter's assertion, the 2020-2045 RTP/SCS does not include any requirement for individual projects to include power storage or battery storage. The measure the commenter is apparently referencing encourages public agencies to identify ways to incorporate "micro-power grids" in communities, and the potential utilization of power storage into such micro-power grids is identified by the same measure. This measure is directed toward public agencies as a policy strategy and does not apply to individual projects. In no way can this recommended policy measure be understood to mandate the installation of battery power storage at the Project.

The comment is unsubstantiated opinion and discusses potential economic impacts regarding the alleged feasibility of providing battery power storage. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

SAFER Comment 9

Heat Island: The SCS requires projects to reduce the heat island effect. (SCEA p. 4-21). The Project does not include standard measures to reduce heat island, such as low albedo roofs and parking areas. Such measures are feasible and should be included in the Project.

Response to SAFER Comment 9

As described in Table 4-1 of the SCEA, the measure referenced by the commenter is directed towards SCAG as a policy measure, and does not apply to individual projects. Specifically, this measure calls upon SCAG to support the development of local climate adaptation and hazard mitigation plans; in no way can

this measure be understood to require individual projects to independently address climate resiliency on a jurisdiction-wide basis.

Notwithstanding the inapplicability of this measure, the Project would not conflict with its goals. The Project would include extensive landscaping and incorporates parking areas within the building footprint, thereby reducing the potential for unshaded surface parking areas to contribute to an urban heat island effect. The Project will also comply with Los Angeles Green Building Code requirement that roofing material used in residential buildings meet certain values for the aged solar reflectance thermal emittance, and Solar Reflectance Index.[3]

The comment claims measures to reduce the urban heat island effect are feasible but does not identify such measures or explain how the cost is feasible. The comment is unsubstantiated opinion and discusses potential economic impacts regarding the alleged feasibility of incorporating additional project design characteristics. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

SAFER Comment 10

Wildlife Connectivity: The SCS requires projects to preserve and enhance wildlife connectivity. (SCEA p. 4-21). The SCEA contends that this goal is not relevant because the Project is located in an urban area. This is simply untrue. The Project site is a vacant parcel in an urban area. As discussed by wildlife biologist, Dr. Shawn Smallwood, Ph.D., such parcels are critical to wildlife connectivity, particularly for avian (bird) species. The few bits of open space in urban areas provide important resting and stopover habitat for avian species. the SCEA fails to analyze this impact at all. Dr. Smallwood concludes that the Project would adversely affect wildlife connectivity. Thus, the Project does not "preserve and enhance" wildlife connectivity, and is inconsistent with the SCS.

Response to SAFER Comment 10

As noted on page 5-67 of the SCEA, due to the urbanized and disturbed nature of the Project Site and the surrounding areas, and lack of large expanses of open space areas, species likely to occur on-site are limited to small terrestrial and avian species typically found in urbanized developed settings. However, birds protected by the Migratory Bird Treaty Act may nest within the trees that would be removed as part of the Project.

Notwithstanding the fact that that the SCEA adequately discussed potential biological impacts in Section 5, part 1.4, included Mitigation Measure MM-Bio-1 to ensure potential construction-related impacts on nesting birds, and provided references to applicable regulatory compliance, a technical response to this comment has been prepared by South Environmental, which is included as **Exhibit C** to this Response (Biological Responses to Comments, South Environmental, June 4, 2024).

3 LADBS and LADWP, Cool Roofs: https://www.ladbs.org/docs/default-source/publications/ordinances/cool-roof-fact-sheet-and-faq.pdf?sfvrsn=10

As noted in the SCEA on pages 5-66 to 5-70, and further discussed by South Environmental, the site lacks any wetlands or streams or other water features, it is set in a densely urbanized area with no connectivity to any open space or native habitats, and the lot has been previously developed for decades until recently.

The nearest substantial open space would be within Griffith Park approximately 3-miles from the Project site. The areas between the Project site and Griffith Park are densely urbanized. The site is surrounded by urbanization in all directions and has no direct or indirect connection to habitat areas and provides no linkage opportunities or opportunities for wildlife to move through the urbanized area. There are no significant migratory stopover locations on the site or in the surrounding areas, and following the Project development there would be no reason for migrating birds to attempt to stop anywhere near the site. Migrating wildlife would not be found at the site due to urbanization and wildlife would typically avoid this area due to the potential hazards from cars and people. Therefore, the Project would not create any barriers or deterrents to migrating or moving wildlife. The area is already well lit and entirely developed and light would not spill onto any open space or native habitats. The Project would have no interference with wildlife movement as the area lacks movement corridors and dense urban development is not considered a wildlife movement corridor.

Therefore, the Project would not adversely affect wildlife connectivity and the analysis and conclusion in the SCEA remains valid.

SAFER Comment 11

C. The City May Not Rely on the SCEA Because the Project has Significant Impacts Unique to the Project and Not Addressed in the SCS.

1. Project-Level CEQA Review is Required for Impacts that were not Mitigated to Insignificance in the SCS EIR.

The SCEA must "contain measures that either avoid or mitigate to a level of insignificance all potentially significant or significant effects of the project required to be identified in the initial study." Pub. Res. Code §21155(b)(2). Thus, to the extent that the SCS EIR admitted significant unmitigated impacts, further project-level CEQA review is required to analyze and mitigate those impacts on a project level because these impacts were not "mitigated to a level of insignificance" in the Connect SoCal EIR.

In the case of Communities for a Better Environment v. Cal. Resources Agency (2002) 103 Cal.App.4th 98, 122-125, the court of appeal held that when a "first tier" EIR admits a significant, unavoidable environmental impact, then the agency must prepare second tier EIRs for later phases of the project to ensure that those unmitigated impacts are "mitigated or avoided." (Id. citing CEQA Guidelines §15152(f)) The court reasoned that the unmitigated impacts were not "adequately addressed" in the first tier EIR since they were not "mitigated or avoided." (Id.) Thus, significant effects disclosed in first tier EIRs will trigger second tier EIRs unless such effects have been "adequately addressed," in a way that ensures the effects will be "mitigated or avoided." (Id.) Such a second tier EIR is required, even if the impact still cannot be fully mitigated and a statement of overriding considerations will be required. The court explained, "The requirement of a statement of overriding considerations is central to CEQA's role as a public accountability statute; it requires public officials, in approving environmental detrimental projects, to justify their decisions based on counterbalancing social, economic or other benefits, and to point to substantial evidence in support." (Id. at 124-125)

The EIR for the SCS admitted significant and unavoidable impacts in several areas, including:

Aesthetic (Connect SoCal Draft PEIR, p. 2.0-18);

Agricultural Resources (Id., p. 2.0-20);

Air Quality (Id. p. 2.0-23);

Biological Resources (Id. p. 2.0-25);

Cultural Resources (Id. p. 2.0-34);

Geology and Soils (Id. p. 2.0-37);

Greenhouse Gases (Id. p. 2.0-40);

Hazards and Hazardous Materials (Id. p. 2.0-43);

Hydrology and Water Quality (Id. p. 2.0-49);

Land Use (Id. p. 2.0-52);

Mineral Resources (Id. p. 2.0-54);

Noise (Id. p. 2.0-55);

Population and Housing (Id. p. 2.0-58);

Fire Services (Id. p. 2.0-59);

Police Services (Id. p. 2.0-60);

Schools (Id. p. 2.0-61);

Library Services (Id. p. 2.0-61);

Recreation (Id. p. 2.0-61);

Transportation, Traffic and Safety (Id. p. 2.0-63);

Tribal Cultural Resources (Id. p. 2.0-66);

Solid Waste (Id. p. 2.0-67);

Wastewater (Id. p. 2.0-68);

Water Supply (Id. p. 2.0-69);

Wildfire (Id. p. 2.0-70);

CEQA review is required to analyze and mitigate the above impacts at the project level because they were not mitigated to a level of insignificance in the Connect SoCal EIR.

Response to SAFER Comment 11

The commenter cites to a case involving a challenge to the California Resources Agency's adoption of CEQA Guidelines Section 15152, which regards tiering from a Program EIR. A SCEA is governed by Public Resources Code Sections 21155 and 21155.2 and is an independent streamlining mechanism unrelated to the tiering provisions of Section 15152. Accordingly, the cited case is inapplicable and irrelevant to the SCEA. Nonetheless, as part of Section 5 of the SCEA, a project-level CEQA review was conducted for each of the environmental topic areas identified by Appendix G of the CEQA Guidelines. This analysis was based on the building plans, applicant input, project-level air quality, GHG, noise, and traffic modeling, and other relevant technical reports. All these inputs were included and disclosed as part of the SCEA. All impacts were found to be less than significant with mitigation measures applied to biological impacts for migratory birds, hazards due to contaminated soils with a soils management plan, noise impacts during construction, and tribal cultural resources for their inadvertent discovery.

SAFER Comment 12

2. Substantial Evidence Shows that the Project Will Likely Have Significant Air Quality Impacts.

Air quality experts Matt Hagemann, P.G., C.Hg. and Dr. Paul E. Rosenfeld, Ph.D. of the environmental consulting firm SWAPE reviewed the SCEA and concluded that the Project will likely have significant air quality impacts due to diesel particulate matter (DPM) emissions. SWAPE's comments and expert CVs are attached as Exhibit A. As discussed above, the SCS EIR did not mitigate air quality impacts to less than significant levels, therefore project-specific CEQA review is required.

Response to SAFER Comment 12

The SCEA includes a project-level air quality technical analysis that is fully compliant with CEQA in its focus on regional and localized impacts from emissions of criteria pollutants and other relevant air quality concerns, including potential emissions of TACs related to outdoor air quality. The Project's air quality analysis, contained in Section 5 and Appendix B of the SCEA, provides substantial evidence that the Project would result in less than significant air quality impacts. The scope of the analysis is appropriate in light of CEQA's general focus on projects' potential impacts on the human environment in general and not future project users.[4]

See **Response to SAFER Comment 13** for specific responses to the commenter's claims.

SAFER Comment 13

The SCEA fails to address potential health-related impacts resulting from the Project's likely air emissions. This is problematic because operation of construction equipment during construction of the proposed Project, as well as daily truck trips during future operations, will release diesel particulate matter ("DPM") emissions into the air, affecting local and regional air quality. DPM is a known human carcinogen which poses unique health risks to nearby sensitive receptors. Importantly, CEQA requires a quantified analysis to determine whether a Project's toxic air contaminant ("TAC") emissions—including DPM emissions—will have potentially adverse impacts on human health. Sierra Club v. County of Fresno (2018) 6 Cal. 5th 502,

4 California Building Industry Association v. Bay Area Air Quality Management District (2015) 62 Cal.4th 369, 377 ("In light of CEQA's text, statutory structure, and purpose, we conclude that agencies subject to CEQA generally are not required to analyze the impact of existing environmental conditions on a project's future users or residents.")

518 (an EIR must make "a reasonable effort to substantively connect a project's air quality impacts to likely health consequences.")

Current guidance by the Office of Environmental Health Hazard Assessment ("OEHHA"), the agency responsible for setting statewide standards to measure health risks under CEQA, recommends that a quantified Health Risk Assessment ("HRA") be prepared to evaluate potential cancer risks for any short-term construction project lasting more than two months, and for the lifetime of any long-term project lasting more than six months. OEHHA guidance also recommends that an exposure duration of 30 years should be used to estimate the individual cancer risk affecting the maximally exposed individual resident ("MEIR") near a proposed Project site. (Id., p. 7.) A project's creation of health risks for impacted MEIRs must be further evaluated according to various sensitive receptors' age and pregnancy status. (Id., p. 11.)

Construction of the proposed Project is expected to last 30 months, and it is reasonable to assume, in the absence of any contrary assertion by the SCEA, that future building operations will continue for at least 30 years, during which time there will be ongoing emissions from delivery trucks, passenger vehicles, water heaters, cooking appliances and other sources. (SWAPE, p. 3).

Contrary to this established regulatory framework, however, the SCEA failed to prepare a quantified HRA for the Project's planned construction and operations. The SCEA also improperly relied on South Coast Air Quality Management District's ("SCAQMD") localized significance thresholds ("LSTs") to evaluate the Project's construction-related health risk impacts. This approach is incorrect, however, because LSTs only evaluate emissions of criteria air pollutants—NOx, CO, PM10, and PM2.5—but do not measure the effect of TAC emissions, including DPM emissions, upon sensitive receptors. (Id., p. 2.) As such, the SCEA fails to present substantial evidence showing that the Project will not have a significant health impact. The SCEA additionally "fails to compare the Project's excess cancer risk" as it compares to the South Coast Air Quality Management District's ("SCAQMD") established significance threshold of 10 per million. (Id., p. 2.)

DPM has been listed as a known human carcinogen by the California Office of Health Hazard Assessment ("OEHHA"). DPM contains 40 toxic chemicals, including benzene, arsenic and lead. (www.p65warnings.ca.gov/fact-sheets/diesel-engine-exhaust.) DPM is listed separately by the State of California as a toxic air contaminant known to cause cancer in humans. (https://oehha.ca.gov/media/downloads/proposition-65//p65chemicalslistsinglelisttable2021p.pdf.)
According to the U.S. Environmental Protection Agency, "Exposure to diesel exhaust can lead to serious health conditions like asthma and respiratory illnesses and can worsen existing heart and lung disease, especially in children and the elderly. These conditions can result in increased numbers of emergency room visits, hospital admissions, absences from work and school, and premature deaths." (https://www.epa.gov/dera/learn-about-impacts-diesel-exhaust-and-diesel-emissionsreduction-act-dera).

As explained above, the SCEA used LSTs to evaluate the Project's construction-related health risk impacts. However, LSTs analyze only criteria air pollutants, not toxic air contaminants (TACs). Although LSTs analyze localized impacts of PM-10 and PM-2.5, there is no LST for DPM – the pollutant that forms the basis of SWAPE's analysis. Although PM-2.5 is a constituent of DPM, it is only one of 40 toxic chemicals in DPM. PM-2.5 itself is not listed by the State as a cancer-causing chemical.

Therefore, SWAPE found that the SCEA's evaluation of the Project's potential health risk impacts, as well its conclusion that the Project will have a less-than-significant air quality impact conclusion, are methodologically flawed and are thus not supported by substantial evidence. (Id., p. 2.) As such, the City must prepare a revised SCEA or conduct an initial study to more accurately characterize the significance

of the Project's impacts. Unless and until the City can present substantial evidence showing that the Project's impacts are less than significant, the use of a SCEA is improper. Pub. Res. Code §21155(b)(1)-(2).

SWAPE conducted a screening-level risk assessment using AERSCREEN, a modeling tool which is recommended by both OEHHA and the California Air Pollution Control Officers Association ("CAPCOA") for the development of Level 2 Health Risk Screening Assessments ("Level 2 HRSA"). According to SWAPE, "A Level 2 HRSA utilizes a limited amount of site-specific information to generate maximum reasonable downwind concentrations of air contaminants to which nearby sensitive receptors may be exposed. If an unacceptable air quality hazard is determined to be possible using AERSCREEN, a more refined modeling approach is required prior to approval of the Project." (Id., pp. 3-4.)

Following this recommended approach for modeling potential future health risks, SWAPE presented substantial evidence showing that Project construction and operations would result in excess cancer risks for pregnant individuals during the third trimester of pregnancy, as well as for infants, children, and adults when those individuals are maximally exposed to Project-related emissions, or located approximately 75 meters from the Project site. (Id., p. 5.) SWAPE calculates that the excess cancer risks for the 3rd trimester of pregnancy, infants, children, and adults at the MEIR located approximately 75 meters away, over the course of Project construction and operation, are approximately 18.0, 388, 25.5, and 2.83 in one million, respectively. The excess cancer risk over the course of a residential lifetime (30 years) is approximately 434 in one million. The 3rd trimester, infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, resulting in a potentially significant impact not previously addressed or identified by the SCEA. (Id. p. 7).

Therefore, SWAPE concludes that the "screening-level HRA demonstrates that construction and operation of the Project could result in a potentially significant health risk impact," and as such, "a revised SCEA should be prepared to include a refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation." (Id., p. 8.) SWAPE proposes numerous mitigation measures to reduce the Project's DPM impacts, which should be considered in a project-level EIR. (Id. pp. 8-11).

Response to SAFER Comment 13

The comment alleges that the Project will result in significant health risk impacts due to exposure from diesel particulate matter (DPM) during the Project's construction activities and requests a Health Risk Assessment (HRA) for the Project. The commenter's consultant SWAPE also prepared a "preliminary HRA" which claims that cancer risk estimates for adjoining residents exceed the maximum incremental cancer risk of 10 in one million established by SCAQMD for projects prepared under CEQA. As a result, SWAPE contends that a "potentially significant health risk impact" exists whereby "a refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation" be prepared.

The commenter's claim that an HRA was required here by any applicable regulation is false. The Department of City Planning relies on methodologies established by the regional expert air quality agency, the South Coast Air Quality Management District (SCAQMD) for preparation of CEQA air quality analyses. SCAQMD published the CEQA Air Quality Handbook in November 1993 to assist lead agencies, as well as consultants, project proponents, and other interested parties, in evaluating potential air quality impacts of projects proposed in the region. The SCAQMD CEQA Handbook does not recommend analysis of toxic air contaminants (TACs) from short-term construction activities.

When considering potential air quality impacts under CEQA, consideration is given to the location of sensitive receptors within close proximity of land uses that emit TACs. The California Air Resources Board (CARB) has published and adopted the Air Quality and Land Use Handbook: A Community Health Perspective (2005), which provides recommendations regarding the siting of new sensitive land uses near potential sources of air toxic emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities). SCAQMD adopted similar recommendations in its Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning (2005). Together the CARB and SCAQMD guidelines recommend siting distances for both the development of sensitive land uses in proximity to TAC sources and the addition of new TAC sources in proximity to existing sensitive land uses.

The SCAQMD recommends HRAs for substantial sources of diesel particulate matter such as warehouse distribution and cold storage facilities. No such facilities are located in proximity to the Project Site, and the Project does not propose any such uses. As such, a HRA was not required for the Project.

The Office of Environmental Health Hazards Assessment (OEHHA) requirements under AB 2588, the Air Toxic Hot Spots Program only applies to "facilities" as defined in Health and Safety Code Section 44322(a), which the state has determined applies to industrial facilities requiring operational air permits that use, manufacture, formulate, or release certain listed hazardous substances. Covered facilities do not include residential or mixed-use residential developments, which are not regulated under the Toxic Hot Spots Program. Notably, the OEHHA Guidelines assess cancer risks over 30-year exposures, they do not mandate analysis for "short-term" projects even under the Toxic Hot Spots Program, and thus the OEHHA Guidelines do not apply here, where the only DPM emissions would occur during a few months of construction activities as part of the Project.

Rather, as stated at pages 8-17 and 8-18 of the OEHHA Guidelines, the information regarding "short term" cancer exposures is provided to assist local air districts when they make permitting decisions for projects requiring AQMD permits related to shorter-term exposures, noting also that "there is considerable uncertainty in trying to evaluate the cancer risk from projects that will only last a small fraction of a lifetime."

As indicated above, with respect to requiring quantitative HRAs related to DPM emissions from mobile sources – which describes the pollutant and type of source at issue here – SCAQMD only requires quantitative HRAs to be prepared for substantial mobile sources of DPM emissions, including truck stops and warehouse distribution facilities that generate more than 100 trucks per day or more than 40 trucks with operating transport refrigeration units.[5] SCAQMD's AB 2588 Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics Hot Spots Information and Assessment Act only applies to permitted industrial facilities and does not address so called "short term" projects.[6]

SCAQMD Rule 1402, which implements the Toxic Hot Spots Program in the region, only applies to facilities with one or more AQMD permits to operate, which the Project is not required to obtain, and also does not require analysis of short-term TAC or DPM emissions. Thus, the comment's assertion that a quantitative HRA is required for the Project is incorrect, as no agency has recognized infill mixed-use residential development as a significant source of toxic air emissions requiring quantitative HRAs. As Project construction activities would vary throughout the site and would be short-term during only one brief portion

of onsite construction activities, stationary source rules would not be appropriate for assessing impacts associated with DPM and an HRA is not required.

Notwithstanding the fact that an HRA is not required under any applicable state, regional, or local regulation, a technical response to this comment has been prepared by Air Quality Dynamics (AQD), which is included as **Exhibit A** to this Response (Health Risk Assessment Evaluation, Air Quality Dynamics, May 20, 2024). AQD demonstrates that SWAPE's assertion of potential significance is based upon misrepresentation of Project construction and operational profiles and the inappropriate application of regulatory guidance, and thus a HRA is not required for the SCEA. Nonetheless, in response to the comment, AQD prepared a construction HRA for informational purposes, which demonstrates that the Project's DPM concentrations were lower than the SWAPE preliminary analysis and that cancer risk estimates are below SCAQMD's significance threshold. The following is a summary of the issues with SWAPE's claims of health risk impact and why the Project would not have a health risk impact:

- First, SWAPE incorrectly assumed that construction operations occur 24 hours per day, 350 days per year for the duration of Project construction. This assumption is inconsistent with the SCEA air quality analysis and supporting technical documentation which notes that construction activities will occur no more than 8 hours per day, 5 days per week or 261 days per year. Incorporation of SWAPE's construction timeline arbitrarily enhances the carcinogenic risk estimates.

- Second, the AERSCREEN dispersion model used in the preliminary HRA is designed to provide "worst-case" one-hour estimates. For sources that have continuous emissions (i.e., 24-hours per day) a fixed scaling ratio of 0.10 is applied to approximate an annual average concentration which is necessary to determine carcinogenic risk estimates. As noted above, the construction operational profile is not continuous whereby a scaling ratio of 0.10 cannot be applied. As such, the predicted model concentrations have no bases to serve as an estimate of DPM exposure.

- Third, SWAPE additionally asserts that particulate (PM10) exhaust emissions, as reported in the project's air quality analysis, be used as a surrogate for DPM emissions to address operational emissions. For this source category, predictive model estimates are associated with area, energy, mobile and stationary sources. On-site area source emissions include hearths and landscape maintenance equipment. Energy related emissions are associated with natural gas and electricity consumption. On-road mobile sources include running and start emissions. In consideration of these source categories, DPM emissions are only associated with a portion of the mobile source profile whereby the predominant source of emissions relates to vehicle miles traveled to and from the project site. Although a portion of start emissions are generated on-site, they are associated with gasoline fueled vehicles and not diesel vehicles. As such, SWAPE's use of the identified exhaust estimates to address on-site operational emissions are not supported by the available emission inventory.

- Fourth, and of most relevance, SWAPE's preliminary analysis utilized the Office of Environmental Health and Hazard Assessment (OEHHA) Air Toxics Hot Spots Program Guidelines (AB 2588, Connelly, Statutes of 1987; Health and Safety Code Section 44300 *et seq.*) which, for certain commercial and industrial operations sources, requires the incorporation of early-life exposure adjustments to characterize carcinogenic exposures when conducting HRAs. The project does not propose uses that are subject to the OEHHA Air Toxics Hot Spots Program Guidelines of AB 2588, nor are transient emissions from off-road mobile sources associated with construction are not sources subject to AB 2588 regulations. As such, the OEHHA Air Toxics Hot Spots Program Guidelines of AB 2588 has no statutory relation to the proposed Project. Neither CARB, SCAQMD, or the US EPA recommend early-life exposure adjustments to characterize carcinogenic exposures. Accordingly, the

incorporation of early-life exposure adjustments is not warranted nor required.

As noted, despite not being required, AQD prepared a HRA for the Project's construction activities for informational purposes, and it demonstrates that the Project's construction would result in carcinogenic risk for the maximum exposed residential receptor of 6.9 in one million (6.9E-06), less than the applicable 10 in one million (10E-06) threshold. An evaluation of the potential noncancer effects of DPM exposure was also conducted. The Project HRA demonstrates that the hazard index for noncancer risks for the Project is 0.063 (6.3E-02), and thus does not exceed the 1.0 threshold. Based upon the predicted carcinogenic risk and noncarcinogenic hazard estimates for the residential exposure scenario, the HRA prepared by AQD, which utilizes accurate Project information and applicable regulatory guidance, demonstrates that construction of the Project will not result in unacceptable localized impacts.

SAFER Comment 14

3. Substantial Evidence Shows that the Project Will Likely Have Significant Biological Impacts.

Wildlife biologists, Dr. Shawn Smallwood, Ph.D. and Noriko Smallwood, M.S., conclude that the Project will have significant biological impacts on special status species. Dr. Smallwood's comments and expert CVs are attached as Exhibit B. As discussed above, the SCS EIR did not mitigate biological impacts to less than significant levels, therefore project-specific CEQA review is required.

Noriko Smallwood conducted a site visit on April 7, 2024. Noriko detected 30 species of vertebrate wildlife at or adjacent to the project site, including four species with special status. Noriko saw Cooper's hawk and red-tailed hawk (Photos 4 and 5), California gull (Photo 6), Allen's hummingbird and hooded oriole (Photos 7 and 8), Cassin's kingbird and California scrub-jay (Photos 9 and 10), house sparrow and California towhee (Photos 11 and 12), white-throated swift and barn swallow (Photos 13 and 14), lesser goldfinch (Photos 15 and 16), mourning dove and Eurasian collared-dove (Photos 17 and 18), house finch and northern mockingbird (Photos 19 and 20), Canada goose (Photo 21), European starling (Photo 22), acorn woodpecker and common raven (Photo 23 and 24), California ground squirrel (Photo 25), among the other species listed in Table 1.

Signs of breeding on and near the site abounded. California towhee, house finch, and house sparrow were actively gathering nest material from the site for nests on and near the site. Lesser goldfinches were paired up and will likely nest on or near the site. Northern mockingbirds were very territorial and will likely nest on or near the site. An Allen's hummingbird displayed to another Allen's hummingbird and was very territorial, indicating they will likely nest on or near the site. Cassin's kingbirds chased each other indicating they will likely nest soon. Birds were very busy on site and the site has a large capacity to support nesting and foraging birds.

Dr. Smallwood states,

> *Based on Noriko's survey findings, I am certain that at least four sensitive species of vertebrate wildlife occur at the project site. Making direct use of the trees and shrubs on the project site were special-status species including Allen's hummingbird and red-tailed hawk. The project site is habitat of these species.*
>
> *California gull, Cooper's hawk, Allen's hummingbird, and red-tailed hawk made use of that portion of the aerosphere that the proposed buildings would displace. The aerosphere of the project site is habitat of these species.*

(Smallwood Letter, p. 11).

Dr. Smallwood concludes that the Project will adversely affect these species through direct habitat loss, (Id., p. 19), interference with wildlife movement (Id. p. 20), window collisions due to extensive glazing, (Id., p. 21), and cumulative impacts with other projects. (Id. p. 24). Dr. Smallwood predicts that the Project will cause 760 bird deaths annually due to window collisions alone. (Id.).

Response to SAFER Comment 14

As noted in the SCEA on pages 5-55, the Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment, and therefore no known occupied habitat, potentially suitable habitat, or designated critical habitat exists on the Project Site or in the surrounding area.

As further discussed by South Environmental (**Exhibit C**, Biological Responses to Comments, South Environmental, June 4, 2024), the previously developed site is in a heavily urbanized area and lacks the substantial coverage of native plants necessary to attract and support special-status species, which require native habitats to survive. The site was recently entirely developed and has heavy disturbances that remain from the past development, and is overwhelmingly dominated by ruderal invasive plants such as tree-of-heaven. Invasive plants and developments heavily degrade and outcompete native plants and result in an area that is not able to support special-status species. CEQA does not consider the impacts to invasive plants as significant.

The South Environmental Biological Responses to Comments (**Exhibit C**) also specifically rebuts each of the commenter's claims about the California gull, Allen's hummingbird, Red-tailed hawk and Cooper's hawk by demonstrating that the necessary habitat for these species is not present at the site (or in the vicinity) and/or that the species is not considered a special status species. Further, South Environmental addresses the commenter's comments about potential impacts to bats by showing that the SCEA's proposed mitigation measures would avoid significant impacts to bats.

The commenter also presents a unsubstantiated method for determining the number of "predicted" species on the site, concluding based on the 30 species observed at the site over a 2.82-hour period that a total of 81 species are likely to occur there. This method is based on data from the Altamont Pass Wind Resource Area, which was conducted approximately 326 miles away from the Project site and occurred in a very large area of annual grasslands instead of an urban environment. Because it does not take into consideration actual site conditions and location, the commenter's methodology cannot be used to make any supported claims about predicted special-status species that may occur at the site.

Regarding the claim of window collisions, South Environmental explains that studies find that glass that reflects vegetation is more likely to cause bird strikes due to the perceived open space and foraging area that the glass reflects. Therefore, buildings with extensive landscaping may be more likely to cause bird strikes than those with sparse landscaping. The current building plans for the Project show landscaping comprised of several street trees and low-lying shrubs, which is not particularly dense for the area. As the surrounding area of the project site is completely urbanized it is already less attractive for birds that would be flying through in search of resources. The Project's buildings would not pose a substantial risk of strikes to special-status species because they are not attracted to the site and would be migrating to and from areas of native habitats far outside of the dense urban areas of the Project site.

SAFER Comment 15

Dr. Smallwood proposes several mitigation measures that could reduce the Project's impacts to sensitive species, including the use of bird-safe glass, pre-construction surveys to detect species, worker training programs, funding for wildlife rehabilitation facilities and other measures. (Id. 24-28). These impacts and mitigation measures should be analyzed in a project-specific CEQA document.

Response to SAFER Comment 15

South Environmental explains in **Exhibit C** (Biological Responses to Comments, South Environmental, June 4, 2024), the Project's buildings would not pose a substantial risk of strikes to special-status species. The Project site is in a densely urbanized area with tall buildings, and songbirds would not be expected to be particularly attracted to the site given the existing conditions. Further, sporadic deaths that may occur will not endanger the urban songbird population as the area is already well lit and no native habitat or bird nesting habitat occurs on or near the Project site. Special-status species would not be attracted to the site nor would they be migrating at a low elevation over the site as there are no native habitats within many miles of the site. Only dense urban development occurs in all directions indicating that special-status species would avoid the Project site and surrounding areas. Collision-related deaths would be at such a low rate as to not alter the trajectory of bird populations beyond the existing conditions and would therefore not be significant according to CEQA.

Finally, the proposed mitigation measures to reduce bird strikes are not necessary because the potential for impacts from bird collisions is already less than significant. As previously discussed, special-status species avoid urbanized areas like the Project site and use native plant communities, which are not present on the Project site. The proposed nesting bird surveys and nest avoidance measures would result in no impacts to nesting birds protected by the MBTA and Fish and Game Code, and therefore no additional mitigation measures are required.

SAFER Comment 16

CONCLUSION

The SCEA fails to comply with CEQA because it fails to incorporate "all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports," namely, the 2020 Connect SoCal Program EIR. The SCEA is additionally improper because it lacks substantial evidence to support its conclusions that the Project will have less than significant impacts to air quality and biological impacts. Therefore, the City must prepare an initial study to determine the appropriate level of environmental review for the Project. Thank you for considering these comments.

Response to SAFER Comment 16

The comment is a conclusion.

Furthermore, as set forth in the responses above, as well as additional responses and evidence contained in the administrative record such as the SCEA, the Project will not result in potential air quality, health risk impacts, or biological impacts. The SCEA complied with CEQA, conducted a project-level analysis, and included mitigation measures as appropriate. The comment letter does not provide substantial evidence to the contrary.

The comment does not state a specific concern or question regarding the adequacy of the SCEA in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Shalane Miller
April 16, 2024

Miller Comment 1

My name is Shalane Miller, and I am a ten year resident of Everett street. I wasn't able to speak during the hearing, but I would like to add my comments.

Response to Miller Comment 1

The comment is an introduction.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Miller Comment 2

1. During the hearing, it was mentioned that the height of the building is standard, but it would actually be quite large for the neighborhood. Perhaps it's standard for Los Angeles, but not for Echo Park specifically. A similar building recently built on Sunset, the perforated building at 1313 W Sunset, is not nearly as massive. I believe it is only five stories. If you visit the area or even look at the surroundings on Google Maps, it's obvious that a structure of this size will burden the neighborhood and existing residents.

Response to Miller Comment 2

The Project is eligible to receive up to three density bonus incentives/concessions. The Project is seeking an off-menu height incentive to allow increases building height as follows:

- Building A is 7 stories with a maximum height of 91 feet as measured from grade (57 feet Base Height plus 34 feet) and 85 feet as measured from Plumb Height (45 feet plus 40 feet).

- Building B is 7 stories with a maximum height of 86 feet as measured from grade (57 feet Base Height plus 29 feet) and 81.5 feet as measured from Plumb Height (45 feet and 36.5 feet).

The City is obligated by state law to grant the height incentives/concessions as they provide identifiable and actual cost reductions to provide for affordable housing costs (Gov. Code Section 65915(d)(1)(A)).

SB 743 (PRC Section 21099(d)) sets forth new guidelines for evaluating aesthetic impacts for an in-fill, transit-oriented project under CEQA, as follows: "Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area (TPA) shall not be considered significant impacts on the environment."

The related City of Los Angeles Department of City Planning Zoning Information File (ZI) No. 2452 provides further instruction concerning the definition of transit priority projects and that "visual resources, aesthetic character, shade and shadow, light and glare, and scenic vistas or any other aesthetic impact as defined in the City's CEQA Threshold Guide shall not be considered an impact for infill projects within TPAs pursuant to CEQA."

Accordingly, the Project is exempt from consideration of aesthetic impacts. Therefore, the following discussion is for informational purposes only.

The Project would be located along a major corridor which is appropriate for siting mixed-use buildings with increased density and units to provide the City much-needed housing units, including affordable units. 7-stories is appropriate and not out-of-scale given the characteristics of the area.

The proposed buildings would not even be the tallest buildings in the immediate area. The residential building at 1115 Sunset Boulevard (The Elysian), 225 feet to the south of the Site, contains approximately 10-stories and is itself situated on a slight elevation. Its entire massing is visible along Sunset Boulevard at Everett Street.

In addition, the residential area to the east along Everett Street is situated on a hill that rises will above the roofs of the proposed building. Figure 5.1-1 of the SCEA, showing a view from Everett Park toward Downtown Los Angeles with the proposed Building B in view would not block any views of Downtown Los Angeles.

The comment is unsubstantiated opinion. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC)l Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Miller Comment 3

2. There has already been disruption on Everett street due to other construction, thus reducing the quality of life for existing residents as mentioned during the hearing. I believe this is important to note, although dismissed by Dana Sayles. Why are there no restrictions on the density of new construction in an area? There are currently three active construction sites on Everett street.

Response to Miller Comment 3

The City processes, reviews, and regulates land use decisions. Certain projects can be built without City discretionary requests and are by-right. Sunset Boulevard and Everett Street are both in a special grading area of the City and require coordination with the Bureau of Engineering for certain construction truck movements and routes. The Project discloses this Special Grading Area in the SCEA and requested a haul route for the Project. It is beyond the scope of this SCEA and outside of CEQA's purview to review and regulate other projects. However, the SCEA does include analysis of nearby related projects, including those along Sunset Boulevard and Everett Street. See pages 5-324 to 5-326 of the SCEA, including Table 5.21-1 and Figure 5.21-1.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Miller Comment 4

3. As a ten year resident, I recognize that I am not native to the area and fear this project will deeply impact the families in the area and contribute to gentrification. This will inevitably drive up already high rent prices for the surrounding areas, and push native residents out of their homes.

Response to Miller Comment 4

The comment is unsubstantiated opinion on potential gentrification in the neighborhood and references increased rent prices. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Further, economic feasibility, market conditions, and economic impacts are not considered environmental impacts under CEQA. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Miller Comment 5

Thank you for considering my comments.

Response to Miller Comment 5

The comment is a conclusion and does not state a specific concern or question regarding the adequacy of the SCEA in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Matt Morello
April 16, 2024

Morello Comment 1

Matt here, I spoke in the public hearing today.

I raised my hand in the meeting a second time because I assumed we were going in order of the list of Actions Requested, and my second comment was in regards to Action 2b.

Response to Morello Comment 1

The comment is an introduction.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Morello Comment 2

2b cites an off menu incentive to allow a 30 percent reduction in required open space to allow 24,540 square feet in lieu of otherwise required 35,050 square feet. I was not given a chance to voice my favor for this action; this space could be allocated to parking, correct?

Response to Morello Comment 2

The comment accurately states one of the Project's proposed off-menu incentive.

The Project provides 24,540 square feet of qualifying open space, consisting of indoor amenities, roof decks, courtyards, and balconies. In addition, there will be 17,025 square feet of additional public and private open space that does not meet the definition in LAMC Section 12.21.G due to noncompliant dimensions or being publicly accessible.

As described in the density bonus findings included in the Project's entitlement case file, the Applicant is seeking an Off-Menu reduction in open space to ensure the project has sufficient building footprint available to provide 41 units dedicated to Very Low Income households, as well as market rate units that offset the cost of the affordable units within the building footprint. The requested incentive does not correlate to the Project's parking.

Morello Comment 3

Further, to comment on Dana's followup, I would like to note that reducing parking to mitigating cost and get a low-income housing discount is reprehensible. Her claims that this will not overflow or overburden Everett Park is simply factually inaccurate.

What action can we as a community take to request 2b to be enforced and increase parking space? What other actions can I take to voice my dissent towards the project?

Response to Morello Comment 3

The Project includes a total of 263 automobile parking spaces to be shared amongst all of the uses on site. Pursuant to State law (Assembly Bill 2097) the Project is not required to provide any parking, but has done so due to the nature of the market in this area and lack of street parking for both residents and visitors.

As stated above, the reduction in open space is necessary to provide sufficient units including affordable units and is not correlated to the Project's parking.

Senate Bill (SB) 743 (Public Resources Code (PRC) Section 21099(d)) sets forth guidelines for evaluating aesthetic impacts for an in-fill, transit-oriented project under CEQA, as follows: "Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area (TPA) shall not be considered significant impacts on the environment." PRC Section 21099 defines a "transit priority area" as an area within 0.5 miles of a major transit stop that is "existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program adopted pursuant to Section 450.216 or 450.322 of Title 23 of the Code of Federal Regulations." As set forth in the SCEA, the Project is located within a TPA.

Save Our Access[7] confirmed that CEQA generally does not consider the adequacy of a project's parking or its "impacts on parking" unless it will result in significant secondary effects on the physical environment. Parking is usually a social and not an environmental impact. Because the petitioner failed to identify any secondary adverse physical effects on the environment resulting from the project's impact on available parking, there is no CEQA impact.

The comment speculates on the amount of vehicles associated with the Project and where they would park. The comment does not provide substantial evidence of a secondary impact on the physical environment including within the Everett Park area.

The comment is therefore unsubstantiated opinion on the potential for parking-related effects in the neighborhood. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

7 *Save Our Access-San Gabriel Mountains v. Watershed Conservation Authority* (Cal. Ct. App., Aug. 19, 2021, No. B303494) 2021 WL 3673902.

Evan Whale
April 18, 2024

Whale Comment 1

I hope this finds you well! My name is Evan Whale and I was the one who was late to Tuesday's planning meeting who you (very graciously) let speak near the end. My tardiness was due to a confusion around the start time of the meeting, so thank you again for making an exception.

Response to Whale Comment 1

The comment is an introduction.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Whale Comment 2

I want to ask at the top here, was the meeting (in its entirety) recorded by chance? I would love to review what I missed there at the beginning.

Response to Whale Comment 2

The commenter is directed to contact City staff who conducted the hearing for this request.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Whale Comment 3

I know our neighborhood might sound like a broken record with this, but the street light issue that kept coming up during is of paramount concern. Not a week goes by where I don't see my life flash briefly before my eyes when taking a left turn onto Sunset Blvd from Everett Street, and this a feeling that is shared by an overwhelming majority of the residents. This new development will no doubt create increased parking and traffic activity on Everett Street, making our only entry / exit point onto Sunset all the more congested and prone to accidents.

Response to Whale Comment 3

Under SB 743, the focus of transportation analysis has shifted from driver delay, which is typically measured by traffic level of service (LOS), to a measurement of vehicle miles traveled (VMT) that better addresses the State's goals on reduction of greenhouse gas emissions, creation of multi-modal transportation, and promotion of mixed-use developments. CEQA Guidelines Section 15064.3 states that VMT is the most appropriate measure of transportation impacts, replacing LOS. As analyzed in the SCEA and supported by substantial evidence, the Project would not result in a significant VMT impact or any

other transportation-related environmental impact under CEQA, including any impacts related to transportation-related hazards.[8]

Mitigation measures are not required for effects which not found to be significant.[9] The City is under no obligation under CEQA to accept any particular environmental impact mitigation measures suggested by third parties.[10]

Notwithstanding, in consideration of community dialogue regarding this intersection, the Project's traffic engineer, Fehr & Peers, conducted a signal warrant analysis for the Sunset Boulevard / Everett Street intersection to determine the need for a traffic signal at this location under existing City standards and regulations. The satisfaction of a traffic signal warrant does not itself require the installation of a signal, and other factors relative to safety, traffic flow, signal spacing, coordination, etc. should be considered. This signal warrant analysis is included as **Exhibit B** to this Response (Signal Warrant Analysis, Fehr & Peers, May 2024). The following is a summary of the issues with the request for a signal and why it is not warranted:

- Using the Manual on Uniform Traffic Control Devices (MUTCD), the intersection was tested to see if its volumes meet signal warrants. The Sunset Boulevard / Everett Street intersection does not trigger the signal warrant under the Future (2027) Plus Project condition in either the AM or PM peak hours.

- The Project would have no vehicular access via Everett Street. Additionally, the Project is not forecasted to generate any new trips on Everett Street, which is a dead-end street with largely residential uses and would therefore not contribute to the minimum vehicle volume required to trigger a peak hour signal warrant on Everett Street.

- Due to the offset approaches of the Everett Street and Boylston Street intersections with Sunset Boulevard, a potential traffic signal would likely require split phasing (separate and exclusive green phases for Everett Street and Boylston Street, respectively), which necessitates a larger share of the cycle length to be dedicated to the side street approaches, thus increasing vehicular delay on Sunset Boulevard. Additionally, a potential traffic signal would in close proximity (approximately 325 feet) to the existing signal at Marion Avenue.

Whale Comment 4

I remember Dana Sayles saying at some point that she had shared her contact information with a few of the residents on our street. Is there any way I could get that information as well? And Dave Rand – did he replace Jorge Plascencia as the field rep for CD-1? We had been working with Jorge prior about some safety concerns on our street, but after he left we were not given any follow up contact.

Response to Whale Comment 4

The commenter is directed to contact City Councilmember District 1's office for this request.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment

8 SCEA, March 2024, page 5-283. Transportation Assessment, Fehr & Peers, October 2023. Appendix K-1 to the SCEA.
9 CEQA Guidelines Section 15126.4(3).
10 A Local & Reg'l Monitor (ALARM) v City of Los Angeles (1993) 12 Cal.App.4th 1773, 1809.

does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Clay Bush
April 24, 2024

Bush Comment 1

I wanted to submit a few comments regarding this large project.

Retail Spaces –

1) The applicant mentioned that the retail spaces limited due to lower ceilings. This is done by design by the applicant to be able to fit in additional dwelling floors and at the cost of not having truly functional retail spaces that would attract businesses that would contribute to our neighborhood area. One only has to look at the Geoffrey Palmer faux Tuscany buildings blanketing the landscape of DTLA and nearly 100% of the proposed retail spaces in those DB developments are externally vacant, and if a spaces does not get leased the busines never lasts very long. The spaces are poorly designed with the purpose of thwarting businesses from renting them, less headache, and a business write off if not rented. BUT the spaces where used in the applicants project design to appeal Planning for retail spaces to achieve height and density bonuses. We fear Aragon is partly doing the same shell game

Back in 2014-2015 our stakeholders from all around the surrounding neighborhoods to this project site requested more retail and well designed from the applicant and we all believed that was achieved on our dozens of meetings and negotiations. But all that hard work by the stakeholders, residents and neighborhood groups has been tossed in the waste can.

We fear we will end up with Geoffrey Palmer type empty poorly function retail spaces, all because the applicant wants to stretch their food court upwards.

Response to Bush Comment 1

The comment references other retail spaces in unrelated buildings that are not part of the Project and not in the immediate vicinity of the Project. The comment refers to the amount of available retail space. Economic feasibility, market conditions, and economic impacts are not considered environmental impacts under CEQA.

The comment is unsubstantiated opinion and discusses potential economic impacts. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Bush Comment 2

2) In the original project our neighborhoods wanted MORE retail, we are now getting far less and 3 additional stories with over an additional 100 residential units. This project is so far out of scale and character for our very old neighborhood it will forever change the very fabric of it in negative ways.

Response to Bush Comment 2

The comment refers to a prior version of the Project, which is not the current case before the City. The current Project is what was analyzed in the SCEA and is what is being processed by the City.

See **Response to Miller Comment 2**. SB 743 (PRC Section 21099(d)) sets forth new guidelines for evaluating aesthetic impacts for an in-fill, transit-oriented project under CEQA, as follows: "Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area (TPA) shall not be considered significant impacts on the environment."

The related City of Los Angeles Department of City Planning Zoning Information File (ZI) No. 2452 provides further instruction concerning the definition of transit priority projects and that "visual resources, aesthetic character, shade and shadow, light and glare, and scenic vistas or any other aesthetic impact as defined in the City's CEQA Threshold Guide shall not be considered an impact for infill projects within TPAs pursuant to CEQA."

Accordingly, the Project is exempt from aesthetic impacts. Therefore, the discussion in **Response to Miller Comment 2** regarding the height and bulk of the Project compared to the surrounding structures is for informational purposes only.

The comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Bush Comment 3

Traffic at Everett and Sunset-

The applicant claims their project and design will have no negative effect on traffic on Everett St. This is illogical and flies in the face of evidence of current activities conducted on the very sidewalk in front of the applicants Building B location, the building that has café/restaurant space designed right on the corner of Sunset and Everett St. The business being placed on the corner is not really an issue for most of us, what is the issue is it will absolutely negatively affect traffic flowing in and out and parking on Everett St, whether it's patrons trying on to Everett to find parking, employees doing the same or ride share vehicles picking up or dropping off to the retail spaces or even residents utilizing such.

The entrance and exit of Everett at Sunset is a very tricky navigation more often than not and becomes very dangerous during high traffic hours as well as leading up to and after events held at Dodger stadium. Accidents are very frequent and with an assumed fairly busy café/restaurant dropped right on that corner it compounds the very dangerous issues residents and visitors already suffer.

Response to Bush Comment 3

See **Response to Whale Comment 3** for an explanation as to why it is not warranted.

Bush Comment 4

DOT MUST design a light that is sinked [synched] up with Marion St like is done in West Hollywood with very short distanced street corners. This would not "slow down" traffic, as Dana Sayles claims, but would

old [all] work in concert with the already existing Marion light and create a safe controlled in and out avenue for all us residents. The claims Mrs. Sayles makes here are driven by her client trying to cut corners and save money. But we residents will pay the price if a paired up stop light is not installed but this behemoth of a cruise ship project is.

Response to Bush Comment 4

See **Response to Whale Comment 3** for an explanation as to why it is not warranted.

Bush Comment 5

This project and all its activities predicted after it is completed and occupied will ABSOLUTELY negatively affect Everett and White Knoll, to a lower extent.

Response to Bush Comment 5

The Project does not abut White Knoll Drive and is not forecasted to generate any new trips on White Knoll Drive. The comment is unsubstantiated opinion regarding unspecified negative effects. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Bush Comment 6

You should come down and witness how bad the traffic is on a normal weekday or leaving up to a Dodgers event, it gets so bad that Dodgers has had to have LADOT's Traffic Enforcement officers control the intersection at Everett.

Response to Bush Comment 6

The Project is not responsible for the traffic associated with events at Dodger Stadium. However, to avoid conflicts with events at the Dodgers Stadium, the Project will implement Project Design Feature PDF-TRAN-1:[11]

- To accommodate Project construction, closure of the northbound parking/PM peak hour bus lane on Sunset Boulevard along the Project frontage is anticipated between 6:30 AM and 4:00 PM, so as not to interfere with PM peak hour buses or the Dodger Stadium Express bus route during home games.

In addition, the SCEA contains an LOS and queuing analysis, which was completed to understand Project driveway operations during the AM, PM, and PM with Dodgers game peak hours. This analysis demonstrates that the Project driveways/access points are expected to operate with limited queues and acceptable LOS.[12]

Bush Comment 7

11 SCEA, March 2024, page 5-283.

12 Transportation Assessment, Fehr & Peers, October 2023, page 54. Appendix K-1 to the SCEA.

Previous project-

The client is claiming that the previous very large project is all of a sudden "not financially feasible". This makes absolutely not rationale sense. They just want to build three additional floors higher that further invades and oppress our historic old neighborhood and clogs the land channel that is Sunset Blvd from Marion to Vin Scully Way. The applicant most certainly could build the previously negotiated project as they promised the neighborhood. But instead they choose to hide behind State laws and or ordinances to push for three additional floors towering above our neighborhood.

Response to Bush Comment 7

The comment is unsubstantiated opinion and discusses potential economic impacts. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Bush Comment 8

Construction materials-

-The project in its presented for is an enormous modern styled structure that will stand and tower in an insanely stark contrast to our late 1800s historic neighborhood.

Response to Bush Comment 8

Regarding aesthetic impacts, see **Response to Miller Comment 2**.

While there are no structures on the Project site, using City data, the immediate area has a range of building ages, dated from the late 1890s to the 2020s.[13] Accordingly, to analyze the potential impacts on historic resources, a Historical Resources Technical Report was prepared for the Project and is included as Appendix D-1 of this SCEA. The Historical Resources Technical Report concluded that due to the lack of historic resources on the Project site, the Project would have no direct impacts.

The Historical Resources Technical Report also concluded that the Project would have a less than significant indirect impact on the identified historical resources in the vicinity. The proposed new buildings would introduce a new visual element to the broader context of the identified historical resources; however, the Project would not alter any of the physical characteristics that convey their significance and justify their eligibility as historical resources defined by CEQA. The historical resources would not be materially impaired by the Project. No other historic resources would be demolished, altered, rehabilitated, converted, or relocated by the Project. No other historic resource has the potential to be adversely affected by the new construction or by excavation and construction activity.

The Project would not result in a substantial adverse change to the immediate surroundings of nearby historic resources, to the degree that they would no longer be eligible for listing under national, state, or

13 https://cityhubla.github.io/LA_Building_Age/#16/34.0691/-118.2502

local landmark or historic district programs. As such, impacts would be less than significant, and no mitigation measures are required.

The comment is unsubstantiated opinion and discusses subjective design decisions. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Bush Comment 9

-The design, materials and color scheme will be a massive sun reflecting structure in the afternoon and will cause surface heat to radiate onto all the buildings on that west side. Case and point would be the Walt Disney concert hall in its first completed condition, shiny stainless steel that reflected the sun into all the buildings surrounding it, which the city then forced Frank Gehry to then dull down the beautiful building. But in this case, the overwhelmingly white buildings will be not be able to be dulled down. Nope, we will all be stuck with a giant building design that belongs in Miami or South Beach.

Response to Bush Comment 9

Regarding aesthetic impacts (glare), see **Response to Miller Comment 2**.

Nonetheless, LAMC Chapter 9, Article 3, Section 93.0117(b) provides that no exterior light source may cause more than 2 foot-candles (21.5 lx) of light intensity or generate direct glare onto exterior glazed windows or glass doors; elevated porch, deck, or balcony; or any ground surface intended for uses such as recreation, barbecue or lawn areas or any property containing a residential unit or units. As it relates to glare, sun reflection from Project development could occur when the sun is low on the horizon, and motor vehicle operations could be affected when the point of reflection within the Project Site is in front of the driver. The Project would feature a variety of surface materials, including, but not limited to, glass, concrete, timber, and metal. As part of the Project, glass used in building facades would have high-performance coatings that would not be highly reflective, thereby minimizing glare from reflected sunlight.

The comment is unsubstantiated opinion and discusses subjective design decisions. The commenter does not provide substantial evidence that the Project would result in physical changes to the environment. Under Public Resources Code (PRC) Section 21082.2(c), "[a]rgument, speculation, unsubstantiated opinion or narrative, evidence which is clearly inaccurate or erroneous, or evidence of social or economic impacts which do not contribute to, or are not caused by, physical impacts on the environment, is not substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

Bush Comment 10

I am attaching one of the 2014-15 agreements sheets listing all that Aragon agreed to for reference.

Thank you for your attention to this applicant's application.

Response to Bush Comment 10

The comment included a list of proposed voluntary community benefits associated with a prior version of the Project, which is no longer being pursued, and therefore these measures are not pertinent to the current Project. In addition, the comment does not state a specific concern or question regarding the adequacy of the City's determination and approval in identifying and analyzing the environmental impacts of the Project, nor does the comment identify any physical environmental impacts caused by the Project. Therefore, this comment does not require a detailed response. (CEQA Guidelines, § 15088(c); *Citizens for East Shore Parks v. State Lands Comm'n (2011) 202 Cal.App.4th 549.*)

Exhibit A

Health Risk Assessment Evaluation

May 20, 2024

Aragon Properties Ltd.
Los Angeles, California 90026
Attn: Jeff Farrington

Re: Sunset and Everett Project (ENV-2023-5529-SCEA) - Health Risk Assessment Evaluation

Mr. Farrington:

Per your request, Air Quality Dynamics has reviewed the Lozeau Drury, LLP and associated comments by SWAPE which allege the Sustainable Communities Environmental Assessment (SCEA) failed to provide a quantitative evaluation of the health risks to nearby sensitive receptors exposed to diesel particulate matter (DPM) emissions generated during construction and operation of the proposed Project. To exemplify their concern, SWAPE prepared a "preliminary HRA" which reported cancer risk estimates for adjoining residents exceed the maximum incremental cancer risk of 10 in one million (10E-06) established by the South Coast Air Quality Management District (SCAQMD) for projects prepared under the auspices of the California Environmental Quality Act (CEQA).

As a result, SWAPE contends that a "potentially significant health risk impact" exists whereby "a refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation" be prepared.

In response, the following discussion illustrates the commenters assertion of potential significance is based upon the misrepresentation of Project construction and operational profiles and the inappropriate application of regulatory guidance. To begin, SWAPE incorrectly assumed that construction operations occur 24 hours per day, 350 days per year for the duration of Project construction. This assumption is inconsistent with the SCEA air quality analysis and supporting technical documentation which notes that construction activities will occur no more than 8 hours per day, 5 days per week or 261 days per year. Incorporation of SWAPE's construction timeline arbitrarily enhances the carcinogenic risk estimates.

Second, the AERSCREEN dispersion model used in the preliminary HRA is designed to provide "worst-case" one-hour estimates. For sources that have continuous emissions (i.e., 24-hours per day) a fixed scaling ratio of 0.10 is applied to approximate an annual average concentration which is necessary to determine carcinogenic risk estimates. As noted above, the construction operational profile is not continuous whereby a scaling ratio of 0.10 cannot be applied. As such, the predicted model concentrations have no bases to serve as an estimate of DPM exposure.

Third, SWAPE additionally asserts that particulate (PM_{10}) exhaust emissions, as reported in the project's air quality analysis, be used as a surrogate for DPM emissions to address operational emissions. For this source category, predictive model estimates are associated with area, energy,

mobile and stationary sources. On-site area source emissions include hearths and landscape maintenance equipment. Energy related emissions are associated with natural gas and electricity consumption. On-road mobile sources include running and start emissions. In consideration of these source categories, DPM emissions are only associated with a portion of the mobile source profile whereby the predominant source of emissions relate to vehicle miles traveled to and from the project site. Although a portion of start emissions are generated on-site, they are associated with gasoline fueled vehicles and not diesel vehicles. As such, SWAPE's use of the identified exhaust estimates to address on-site operational emissions are not supported by the available emission inventory.

Notwithstanding the above inconsistencies, of most relevance is the preliminary HRA utilized the Office of Environmental Health and Hazard Assessment (OEHHA) Air Toxics Hot Spots Program guidelines (AB 2588, Connelly, Statutes of 1987; Health and Safety Code Section 44300 et seq.) which, for sources subject to the guidelines, must incorporate early-life exposure adjustments to characterize carcinogenic exposures when conducting HRAs. Transient emissions from off-road mobile sources associated with construction of the proposed Project are not subject to AB 2588 regulation. As such, AB 2588 guidance has no statutory relation to the proposed Project whereby the incorporation of early-life exposure adjustments are not warranted nor required. As noted by the California Air Resources Board (CARB).

> The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in September 1987. Under this, stationary sources are required to report the types and quantities of certain substances their facilities routinely release into the air. Emissions of interest are those that result from the routine operation of a facility or that are predictable, including but not limited to continuous and intermittent releases and process upsets or leaks.
>
> The Act requires that toxic air emissions from stationary sources (facilities) be quantified and compiled into an inventory according to criteria and guidelines developed by the ARB, that each facility be prioritized to determine whether a risk assessment must be conducted, that the risk assessments be conducted according to methods developed by the Office of Environmental Health Hazard Assessment (OEHHA).

As reported above, AB 2588 applies to certain commercial and industrial operations that have the potential to generate quantities of criteria and toxic air emissions that could present health risks. There are two broad classes of facilities subject to the AB 2588 Program: Core facilities and facilities identified within discrete industry-wide source categories. Core facilities subject to AB 2588 compliance are sources whose criteria pollutant emissions (particulate matter, oxides of sulfur, oxides of nitrogen and volatile organic compounds) are 25 tons per year or more as well as those facilities whose criteria pollutant emissions are 10 tons per year or more but less than 25 tons per year. Industry-wide source facilities are classified as smaller operations with relatively similar emission profiles (e.g., auto body shops, gas stations and dry cleaners using perchloroethylene). It is apparent that the emissions generated from the construction of a mixed-use residential development are not classified as core operations nor subject to industry-wide source evaluation.

Additionally, in comments presented to the SCAQMD Governing Board (Meeting Date: June 5, 2015, Agenda No. 28) relating to toxic air contaminant exposures under Rules 1401, 1401.1, 1402 and 212 revisions, use of the revised OEHHA guidelines and their applicability for projects subject to CEQA as they relate to the incorporation of early-life exposure adjustments, it was reported that:

> The Proposed Amended Rules are separate from the CEQA significance thresholds. SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board.

To date, the SCAQMD, as a commenting agency, has not conducted public workshops nor developed policy relating to the applicability of applying the revised OEHHA guidance for projects prepared by other public/lead agencies subject to CEQA.

In addition, the California Department of Toxic Substances Control (DTSC), which is charged with protecting individuals and the environment from the effects of toxic substances and responsible for assessing, investigating and evaluating sensitive receptor populations to ensure that properties are free of contamination or that health protective remediation levels are achieved, has adopted the U.S. Environmental Protection Agency's policy in the application of early-life exposure adjustments and is consistent with the methodology considered in the assessment of sensitive receptor exposures.

Specifically, U.S. Environmental Protection Agency guidance relating to the use of early-life exposure adjustments (*Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens*, EPA/630/R-003F) are considered when carcinogens act "through the mutagenic mode of action." As reported:

> The Agency considered both the advantages and disadvantages of extending the recommended, age dependent adjustment factors for carcinogenic potency to carcinogenic agents for which the mode of action remains unknown. EPA recommends these factors only for carcinogens acting through a mutagenic mode of action based on a combination of analysis of available data and long-standing science policy positions that set out the Agency's overall approach to carcinogen risk assessment, e.g., the use of a linear, no threshold extrapolation procedure in the absence of data in order to be health protective. In general, the Agency prefers to rely on analyses of data rather than on general defaults. When data are available for a susceptible lifestage, they should be used directly to evaluate risks for that chemical and that lifestage on a case-by-case basis. In the case of nonmutagenic carcinogens, when the mode of action is unknown, the data were judged by EPA to be too limited and the modes of action too diverse to use this as a category for which a general default adjustment factor approach can be applied. In this situation per the Agency's *Guidelines for Carcinogen Risk Assessment*, a linear low-dose extrapolation methodology is recommended. It is the Agency's long-standing

> science policy position that use of the linear low-dose extrapolation approach (without further adjustment) provides adequate public health conservatism in the absence of chemical-specific data indicating differential early-life susceptibility or when the mode of action is not mutagenicity.

In 2006, the U.S. Environmental Protection Agency published a memorandum that provides guidance regarding the preparation of HRAs should carcinogenic compounds elicit a mutagenic mode of action (USEPA, 2006). As presented in the technical memorandum, numerous compounds were identified as having a mutagenic mode of action. For DPM, polycyclic aromatic hydrocarbons (PAHs) and their derivatives, which are known to exhibit a mutagenic mode of action, comprise < 1% of the exhaust particulate mass. To date, the U.S. Environmental Protection Agency reports that whole diesel engine exhaust has not been shown to elicit a mutagenic mode of action (USEPA, 2018).

As noted above, SWAPE's inaccurate characterization of the Project's construction and operational profiles and inappropriate use of regulatory guidance cannot be relied upon as a viable screening-level methodology. As such, Air Quality Dynamics presents a refined HRA to address construction related emissions utilizing all relevant and appropriate assessment and dispersion modeling methodologies presented by the U.S. Environmental Protection Agency, California Environmental Protection Agency and SCAQMD to ensure a viable quantification of DPM exposures associated with the generation of emissions from construction related activities.

Results of the refined health risk assessment showed lower DPM concentrations than the SWAPE screening-level analysis and cancer risk estimates below SCAQMD's significance threshold. The following discussion outlines the methodology utilized to conduct the refined health risk assessment and presents the revised estimate of risk.

Source Identification

The Project proposes the construction of a mixed-use residential and commercial development with 327 residential units (286 market-rate units and 41 affordable units) and 9,462 square feet of commercial space with sit-down restaurant uses. The Project consists of two adjacent buildings. Building A, located along Sunset Boulevard is 7-stories with 4 levels of Type IIIA construction over 3 levels of Type I podium. Building B, which is located at the corner of Sunset Boulevard and Everett Street is 7-stories with 5 levels of Type IIIA construction over 2 levels of Type I podium. The Project includes 13 studio units, 230 1-bedroom units, 79 2-bedroom units and 5 3-bedroom units. Six units on the ground floor within Building A will be designed for live/work occupancies. Tenant amenities include a pool/spa deck, roof decks, fitness, club and community room accessibility. The Project will additionally provide 12,881 square feet of landscaped common open space with additional landscaping provided on the slope portion to the rear of Building A.

The Project’s estimated operational year is 2027 with construction to commence in the forth quarter of 2024. The site is vacant of all structures and contains 6,000 square feet of asphalt that

will be demolished and removed. It is assumed the Project will over-excavate soils to a depth of up to 62 feet to accommodate the subterranean levels, foundation elements and grading under the descending slope in the northeast corner of the site. The amount of excavated earth materials exported will be approximately 40,000 cubic yards.

The Project is located on the east side of Sunset Boulevard, north of Everett Street, in the Silver Lake-Echo Park-Elysian Valley Community Plan area of the City of Los Angeles in the County of Los Angeles. The Site is zoned C2-1VL (Commercial zone in Height District 1VL) and is subject to a General Commercial land use designation.

The site is bound by multi-family residential buildings to the north, commercial occupancies to the south, multi-family residential buildings to the east and commercial/residential buildings to the west. Figure 1 presents an aerial photograph of the Project location and adjoining land uses.

Figure 1
Site Location /Vicinity Aerial Photograph

Source Characterization

On-site construction emission estimates were based upon the Los Angeles-South Coast County profile generated by the California Emissions Estimator Model (CalEEMod) prepared by Douglas Kim and Associates, LLC for the SCEA air quality analysis. CalEEMod is an emissions model which provides a uniform platform quantifying pollutant emissions associated with project construction and operation. The model is considered a comprehensive tool for quantifying air quality impacts for land use development projects located throughout the State.

In 1998, diesel exhaust emissions in the PM_{10} particle size range were identified by the State as a toxic air contaminant. As such, the off-road PM_{10} exhaust estimates reported by CalEEMod, which assumed compliance with design feature PDF-AIR-1 whereby off-road diesel-powered equipment within the construction inventory shall meet Tier 4 final off-road emission standards and equipped with Best Available Control Technology (BACT) devices including California Air Resources Board certified Level 3 Diesel Particulate Filters or equivalent. The emission rates for both winter and summer scenarios were found to be commensurate.

To assess localized impacts, construction phase, calendar year and number of days associated with each activity were identified to produce average daily emission rates. Construction operations are reported to occur for 657 days over a 919-day period (2.52 years) based upon a 5 day per week operational schedule which accounts for a portion of concurrent phase activities during building construction and architectural coating operations.

Tables 1 and 2 provide a summary of estimated average daily particulate emissions associated with each construction phase and year. Attachment B presents the emission calculation worksheets used to quantify pollutant source strength for identified construction phases commensurate with the lateral extent across the Project site. A copy of the CalEEMod output file which highlights the identified construction phase activities and associated emission rates are provided in Attachment C.

Table 1
Average Daily Emissions/PM_{10}
Demolition/Site Preparation/Grading

Construction Phase/Year	Emissions (Lbs/Day)
Demolition/2024	0.03
Site Preparation/2025	0.05
Grading/2025	0.14
Average Daily Emissions	**0.1221**

Table 2
Average Daily Emissions/PM_{10}
Trenching/Building Construction/Architectural Coating

Construction Phase/Year	Emissions (Lbs/Day)
Trenching/2025	0.08
Building Construction/2025	0.47
Building Construction/2026	0.42
Building Construction/2027	0.36
Building Construction/Architectural Coating/2027	0.48
Architectural Coating/2017	0.12
Average Daily Emissions	**0.4064**

In order to assess the impact of DPM emissions, air quality modeling utilizing the AMS/EPA Regulatory Model AERMOD was performed. AERMOD is a steady-state Gaussian plume model applicable to directly emitted air pollutants that employs best state-of-practice parameterizations for characterizing meteorological influences and atmospheric dispersion. AERMOD is the U.S. Environmental Protection Agency's guideline model for the assessment of near-field pollutant dispersion.

The SCAQMD provides guidance (*Localized Significance Threshold Methodology*, July 2008) on the evaluation of localized air quality impacts to public agencies conducting environmental review of projects located within its jurisdiction. As such, source treatment outlined in the Localized Significance Threshold (LST) methodology was utilized, whereby exhaust emissions from construction equipment were treated as a set of side-by-side elevated volume sources with a release height of five meters and an initial vertical (sigma z) dimension of 1.4 meters. The elevated source characterization accounts for a mid-range plume rise height associated with exhaust stack emissions for typical off-road equipment inventories. Horizontal (sigma y) parameters were produced by dividing source separation distances by a standard deviation of 2.15.

To accommodate a Cartesian grid format, direction dependent calculations were obtained by identifying the universal transverse mercator (UTM) coordinates for each volume source location. UTM coordinates were identified for residential receptors adjoining the Project site. Flagpole receptor heights were not assigned. Terrain height adjustments were incorporated into the modeling exercise to account for the discrepancy in source-receptor elevations. A graphical representation of the source and receptor grid networks are presented in Figures 2 through 4.

Figure 2
Construction Emission Sources
Demolition/Site Preparation/Grading

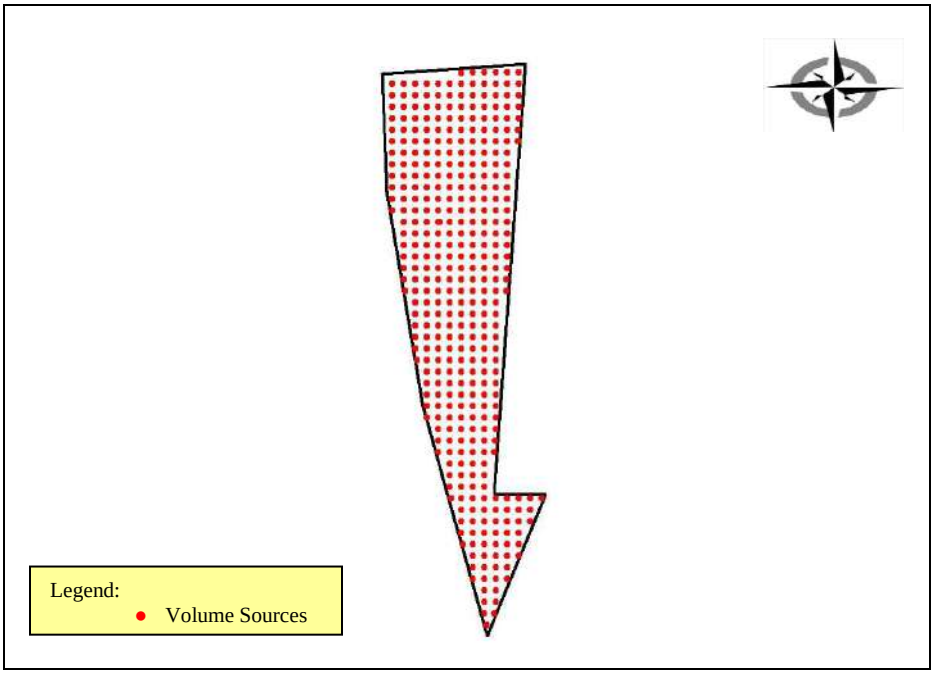


Figure 3
Construction Emission Sources
Trenching/Building Construction/Architectural Coating

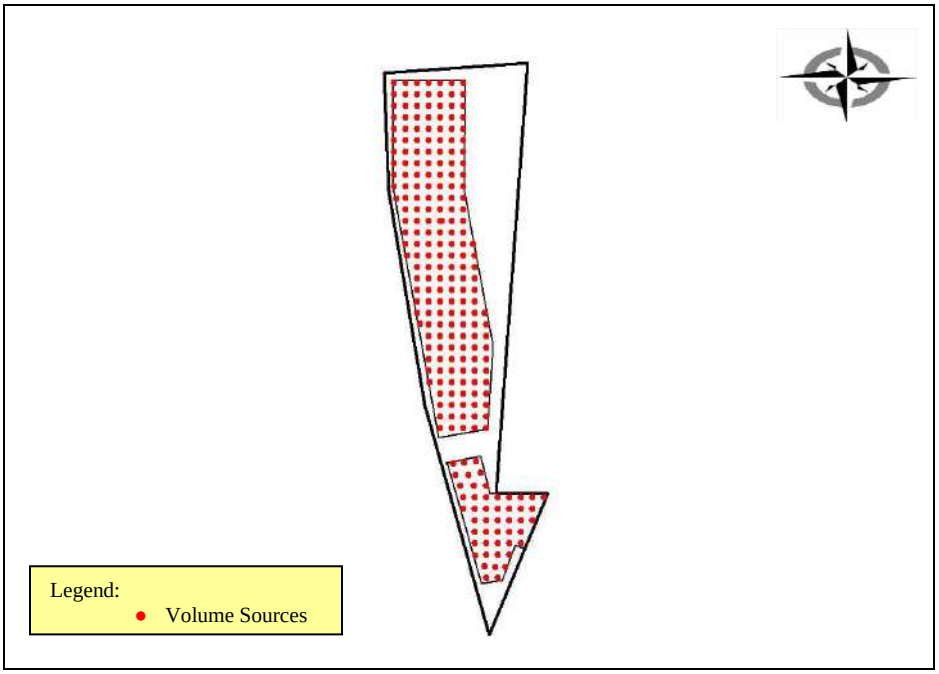
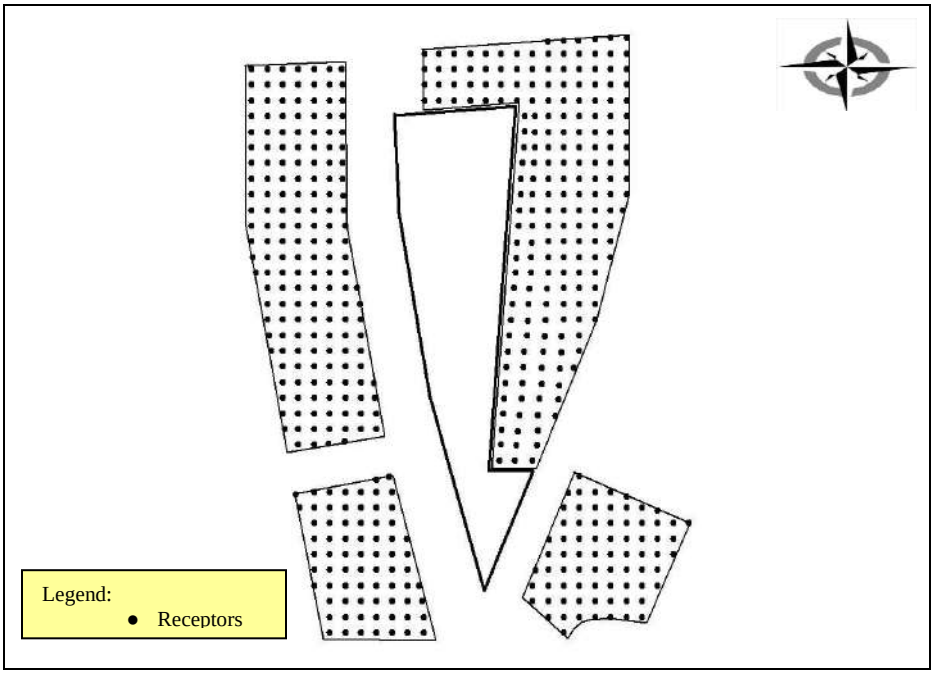


Figure 4
Residential Receptor Locations



Refined air dispersion models require meteorological information to account for local atmospheric conditions. Due to their sensitivity to individual meteorological parameters such as wind speed and direction, the U.S. Environmental Protection Agency recommends that meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. In response to this recommendation, meteorological data from the SCAQMD Central Los Angeles monitoring station which is located 1.33 miles east of the Project site was used to represent local weather conditions and prevailing winds. In a manner consistent with SCAQMD guidance for the assessment of chronic exposures, maximum concentrations were produced by incorporating all five years of available data. A model scalar value of 1 was assigned to account for emissions generated during construction-related activity corresponding to 8 hours per day as reported in the CalEEMod construction profile from 8 a.m. to 4 p.m. (ending hours 9 to 16). A scalar value of 0 was used for non-operational hours.

Attachment D provides the AERMOD dispersion model input and summary output files associated with the assessment of residential exposures.

Risk Characterization

Carcinogenic compounds are not considered to have threshold levels (i.e., dose levels below which there are no risks). Any exposure, therefore, will have some associated risk. As a result, the SCAQMD has established a maximum incremental cancer risk which meets or exceeds a threshold of 10 in one million (10E-06) for projects prepared under CEQA. This threshold is also

consistent with the State of California as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. Under a deterministic approach (i.e., point estimate methodology), the cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper-bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) over a 70-year lifetime. The URF and corresponding cancer potency factor for DPM utilized in the assessment was obtained from the *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values*.

To quantify dose, the procedure requires the incorporation of several discrete exposure variates. To account for upper-bound exposures associated with residential occupancies, lifetime risk values were adjusted to account for an exposure frequency of 261 days per year for a period of 2.52 years (i.e., 0.25 years for the third trimester, 2.0 years for ages 0 to 2 and 0.27 years for the 2 to 9 year age group). Point estimates for daily breathing rates representing the 95th percentile of 361, 1090 and 861 L/kg-day for the identified age groups were utilized and incorporated into the following dose algorithm.

$$Dose_{air} = C_{air} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

Where:

$Dose_{air}$	=	*dose through inhalation (mg/kg/day)*
C_{air}	=	*concentration of contaminant in air ($\mu g/m^3$)*
$\{BR/BW\}$	=	*daily breathing rate normalized to body weight (L/kg body weight/day)*
A	=	*inhalation absorption factor (unitless)*
EF	=	*exposure frequency (days/365 days)*
10^{-6}	=	*micrograms to milligrams conversion*

The above inhalation dose estimates and residential fractional time adjustments (i.e., 0.85 for the third trimester and ages 0 to 2 years and 0.72 for ages 2 to 9 years) were incorporated into the following equation to produce carcinogenic risk estimates for ages commensurate with the reported exposure durations:

$$Risk_{inh} = Dose_{air} \times CPF \times ED/AT \times FAH$$

Where:

$Risk_{inh}$	=	*inhalation cancer risk*
$Dose_{air}$	=	*daily inhalation dose (mg/kg/day)*
CPF	=	*inhalation cancer potency factor ($mg/kg/day^{-1}$)*
ED	=	*exposure duration for specified age group (years)*
AT	=	*averaging time (years)*
FAH	=	*fraction of time at home (unitless)*

Table 3 presents the carcinogenic risk estimates for the maximum exposed residential receptor located immediately southeast of the Project site. Attachment A, Tables A1 through A3, column b identify the predicted DPM concentration, columns f-h, present the URF, corresponding cancer potency factor and dose for each exposure scenario. The cancer risk estimate is presented in column i.

Table 3
Carcinogenic Risk / Maximum Exposed Residential Receptor

Age Group	Risk
Third Trimester	7.0E-08
0 to 2 years	6.3E-06
2 to 9 years	5.7E-07
Total	**6.9E-06**

Note: 6.9E-06 denotes an excess case of cancer of 6.9 in one million (1,000,000) individuals exposed.

As noted above, the carcinogenic risk for the maximum exposed residential receptor did not meet or exceed the significance threshold of 10 in one million (10E-06).

An evaluation of the potential noncancer effects of DPM exposure was also conducted. Under the point estimate approach, adverse health effects are evaluated by comparing the pollutant concentration with the appropriate Reference Exposure Level (REL). The chronic REL presented in the *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values* was considered in the assessment. There are no available acute/8-hour reference exposure levels for DPM.

To quantify noncarcinogenic impacts, the hazard index approach was used. The hazard index assumes that subthreshold exposures adversely affect a specific organ or organ system (i.e., toxicological endpoint). To calculate the hazard index, the pollutant concentration or dose is divided by its toxicity value. Should the total equal or exceed one (i.e., unity), a health hazard is presumed to exist. No exposure frequency or duration adjustments are considered for noncarcinogenic exposures.

Table 4 presents the hazard index value for the maximum exposed residential receptor. Attachment A, Tables A1 through A3, column j presents the REL used in the evaluation of chronic noncarcinogenic exposures. The noncancer hazard index generated from off-road equipment activity is presented in column l.

Table 4
Noncarcinogenic Hazard / Maximum Exposed Residential Receptor

Receptor	Hazard
Immediately southeast of the Project site	6.3E-02

Note: 6.3E-02 is commensurate with a numeric value of 0.063.

As noted above, the hazard index for the respiratory endpoint totaled less than one for the maximum exposed residential receptor.

Conclusion

Based upon the predicted carcinogenic risk and noncarcinogenic hazard estimates for the residential exposure scenario, the refined HRA demonstrates that construction of the proposed Project will not result in unacceptable localized impacts.

I can be reached at (818) 703-3294 should you have any questions or require additional information.

Sincerely,

Bill Piazza

Attachment A: Carcinogenic Risk/Noncarcinogenic Hazard Calculation Worksheet
Attachment B: Emission Calculation Worksheets
Attachment C: CalEEMod Output File
Attachment D: Dispersion Model Input and Summary Output Files
Attachment E: List of References

ATTACHMENT A

Carcinogenic Risk/Noncarcinogenic Hazard Calculation Worksheet

Table A1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazard
Maximum Exposed Residential Receptor (Third Trimester)
Demolition/Site Preparation/Grading

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazard		
					URF	CPF	DOSE	RISK	REL	RfD	RESP
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
On-Site Exhaust	0.08460	8.46E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.2E-05	7.0E-08	5.0E+00	1.4E-03	1.7E-02
TOTAL								7.0E-08			1.7E-02

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85

Table A2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazard
Maximum Exposed Residential Receptor (0 to 2 Year Age Group)
Trenching/Building Construction/Architectural Coating

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazard		
					URF	CPF	DOSE	RISK	REL	RfD	RESP
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
On-Site Exhaust	0.31642	3.16E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.5E-04	6.3E-06	5.0E+00	1.4E-03	6.3E-02
TOTAL								6.3E-06			6.3E-02

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85

Table A3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazard
Maximum Exposed Residential Receptor (2 to 9 Year Age Group)
Trenching/Building Construction/Architectural Coating

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazard		
					URF	CPF	DOSE	RISK	REL	RfD	RESP
	(ug/m^3)	(mg/m^3)			$(ug/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
On-Site Exhaust	0.31642	3.16E-04	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.9E-04	5.7E-07	5.0E+00	1.4E-03	6.3E-02
TOTAL								5.7E-07			6.3E-02

Note:

Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	261
exposure duration (years)	0.27
inhalation rate (L/kg-day))	861
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72

ATTACHMENT B

Emission Calculation Worksheets

Emission Calculation Worksheet

CalEEMod Version 2022.1.1.22

Emissions	Phase	Start/End Dates	Lb/Day	# Days	Emissions
On-Site Exhaust PM10	Demolition	12/24/24 to 12/31/24	0.03	6	0.18
	Site Preparation	01/01/25 to 01/15/25	0.05	11	0.55
	Grading	01/16/25 to 04/30/25	0.14	75	10.50
				92	11.23
	Average Daily Construction (Lb/Day)				0.1221

Exhaust PM10				Combustion mass	Combustion g/s/source
	Combustion Sources	383		0.1221	5.0195E-06

Emission Calculation Worksheet

CalEEMod Version 2022.1.1.22

Emissions	Phase	Start/End Dates	Lb/Day	# Days	Emissions
On-Site	Trenching	05/01/25 to 05/31/25	0.08	22	1.76
Exhaust PM10	Building Construction	06/01/25 to 12/31/25	0.47	153	71.91
	Building Construction	01/01/26 to 12/31/26	0.42	261	109.62
	Building Construction	01/01/27 to 03/31/27	0.36	64	23.04
	Building Construction/Architectural Coating	04/01/27 to 05/31/27	0.48	43	20.64
	Architectural Coating	06/01/27 to 06/30/27	0.12	22	2.64
				565	229.61
	Average Daily Construction (Lb/Day)				0.4064

Exhaust PM10			Combustion mass	Combustion g/s/source
	Combustion Sources	247	0.4064	2.5913E-05

ATTACHMENT C

CalEEMod Output File

Sunset Everett (Future) Detailed Report

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4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Sunset Everett (Future)
Construction Start Date	12/24/2024
Operational Year	2027
Lead Agency	City of Los Angeles
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	16.8
Location	1185 W Sunset Blvd, Los Angeles, CA 90026, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4029
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Apartments Mid Rise	327	Dwelling Unit	2.30	311,838	37,095	—	773	—
High Turnover (Sit Down Restaurant)	9.46	1000sqft	0.16	9,462	0.00	—	—	—
Enclosed Parking with Elevator	263	Space	0.00	105,200	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-6	Use Diesel Particulate Filters
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	38.0	48.8	78.9	0.12	1.62	4.91	6.52	1.49	1.17	2.66
Mit.	35.7	28.5	88.6	0.12	0.50	4.91	5.41	0.47	1.17	1.64
% Reduced	6%	42%	-12%	—	69%	—	17%	68%	—	38%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	5.85	42.5	65.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
Mit.	3.90	25.9	67.7	0.09	0.50	4.17	4.66	0.45	1.00	1.45
% Reduced	33%	39%	-4%	—	69%	—	19%	69%	—	41%

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	7.37	29.3	46.1	0.06	1.03	2.94	3.97	0.94	0.70	1.64
Mit.	6.76	18.2	48.0	0.06	0.31	2.94	3.26	0.29	0.70	0.99
% Reduced	8%	38%	-4%	—	69%	—	18%	69%	—	40%
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	1.34	5.34	8.42	0.01	0.19	0.54	0.73	0.17	0.13	0.30
Mit.	1.23	3.32	8.76	0.01	0.06	0.54	0.59	0.05	0.13	0.18
% Reduced	8%	38%	-4%	—	69%	—	18%	69%	—	40%

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2025	5.86	42.3	68.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
2026	5.46	40.7	66.5	0.09	1.44	4.17	5.61	1.32	1.00	2.31
2027	38.0	48.8	78.9	0.12	1.62	4.91	6.52	1.49	1.17	2.66
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2024	0.20	2.10	1.87	0.01	0.05	0.66	0.71	0.05	0.12	0.17
2025	5.85	42.5	65.3	0.09	1.60	4.17	5.77	1.46	1.00	2.46
2026	5.45	40.9	63.9	0.09	1.44	4.17	5.61	1.32	1.00	2.31
2027	5.18	39.3	62.5	0.09	1.26	4.17	5.42	1.16	1.00	2.15
Average Daily	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.03	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
2025	2.85	22.5	32.4	0.05	0.83	2.18	3.01	0.76	0.52	1.28
2026	3.89	29.3	46.1	0.06	1.03	2.94	3.97	0.94	0.70	1.64

2027	7.37	13.4	21.1	0.03	0.44	1.35	1.78	0.40	0.32	0.72
Annual	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2025	0.52	4.10	5.91	0.01	0.15	0.40	0.55	0.14	0.09	0.23
2026	0.71	5.34	8.42	0.01	0.19	0.54	0.73	0.17	0.13	0.30
2027	1.34	2.44	3.84	0.01	0.08	0.25	0.33	0.07	0.06	0.13

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—
2025	3.92	25.7	70.7	0.09	0.50	4.17	4.66	0.45	1.00	1.45
2026	3.64	25.1	69.1	0.09	0.44	4.17	4.61	0.40	1.00	1.40
2027	35.7	28.5	88.6	0.12	0.50	4.91	5.41	0.47	1.17	1.64
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—
2024	0.20	2.10	1.87	0.01	0.04	0.66	0.70	0.04	0.12	0.16
2025	3.90	25.9	67.7	0.09	0.50	4.17	4.66	0.45	1.00	1.45
2026	3.64	25.4	66.5	0.09	0.44	4.17	4.61	0.40	1.00	1.40
2027	3.50	24.9	65.1	0.09	0.38	4.17	4.54	0.35	1.00	1.35
Average Daily	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.03	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005
2025	1.84	13.5	33.7	0.05	0.26	2.18	2.44	0.24	0.52	0.76
2026	2.59	18.2	48.0	0.06	0.31	2.94	3.26	0.29	0.70	0.99
2027	6.76	8.07	23.1	0.03	0.13	1.35	1.48	0.13	0.32	0.45
Annual	—	—	—	—	—	—	—	—	—	—
2024	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

2025	0.34	2.47	6.16	0.01	0.05	0.40	0.45	0.04	0.09	0.14
2026	0.47	3.32	8.76	0.01	0.06	0.54	0.59	0.05	0.13	0.18
2027	1.23	1.47	4.22	0.01	0.02	0.25	0.27	0.02	0.06	0.08

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	15.6	5.05	67.8	0.11	0.16	9.64	9.80	0.16	2.45	2.60
Mit.	15.5	4.23	67.5	0.10	0.09	9.64	9.73	0.09	2.45	2.54
% Reduced	< 0.5%	16%	1%	5%	41%	—	1%	42%	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	13.1	5.19	41.3	0.10	0.14	9.64	9.78	0.14	2.45	2.59
Mit.	13.0	4.37	40.9	0.10	0.08	9.64	9.71	0.08	2.45	2.52
% Reduced	< 0.5%	16%	1%	5%	46%	—	1%	46%	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	14.5	5.03	54.8	0.09	0.15	8.47	8.62	0.15	2.15	2.30
Mit.	14.5	4.21	54.4	0.09	0.08	8.47	8.55	0.08	2.15	2.23
% Reduced	< 0.5%	16%	1%	6%	44%	—	1%	45%	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—
Unmit.	2.65	0.92	10.0	0.02	0.03	1.55	1.57	0.03	0.39	0.42
Mit.	2.64	0.77	9.94	0.02	0.02	1.55	1.56	0.01	0.39	0.41
% Reduced	< 0.5%	16%	1%	6%	44%	—	1%	45%	—	3%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Energy	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Total	15.6	5.05	67.8	0.11	0.16	9.64	9.80	0.16	2.45	2.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Energy	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Total	13.1	5.19	41.3	0.10	0.14	9.64	9.78	0.14	2.45	2.59
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	5.35	3.84	38.1	0.09	0.06	8.48	8.54	0.05	2.15	2.21
Area	9.11	0.15	16.1	< 0.005	0.01	—	0.01	0.01	—	0.01
Energy	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—

Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Total	14.5	5.03	54.8	0.09	0.15	8.47	8.62	0.15	2.15	2.30
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40
Area	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Energy	0.01	0.19	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Total	2.65	0.92	10.0	0.02	0.03	1.55	1.57	0.03	0.39	0.42

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Mobile	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Energy	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Total	15.5	4.23	67.5	0.10	0.09	9.64	9.73	0.09	2.45	2.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Mobile	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Area	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Energy	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Total	13.0	4.37	40.9	0.10	0.08	9.64	9.71	0.08	2.45	2.52
Average Daily	—	—	—	—	—	—	—	—	—	—
Mobile	5.35	3.84	38.1	0.09	0.06	8.48	8.54	0.05	2.15	2.21
Area	9.11	0.15	16.1	< 0.005	0.01	—	0.01	0.01	—	0.01
Energy	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Total	14.5	4.21	54.4	0.09	0.08	8.47	8.55	0.08	2.15	2.23
Annual	—	—	—	—	—	—	—	—	—	—
Mobile	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40
Area	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Energy	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Water	—	—	—	—	—	—	—	—	—	—
Waste	—	—	—	—	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—	—	—	—	—
Vegetation	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Total	2.64	0.77	9.94	0.02	0.02	1.55	1.56	0.01	0.39	0.41

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.31	1.27	< 0.005	0.05	—	0.05	0.04	—	0.04
Demolition	—	—	—	—	—	0.44	0.44	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.76	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.31	1.27	< 0.005	0.03	—	0.03	0.03	—	0.03
Demolition	—	—	—	—	—	0.44	0.44	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Demolition	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.03	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.76	0.28	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	10.9	11.0	0.03	0.47	—	0.47	0.43	—	0.43
Dust From Material Movement	—	—	—	—	—	0.62	0.62	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.33	0.33	< 0.005	0.01	—	0.01	0.01	—	0.01
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.06	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.96	2.25	0.03	0.06	1.25	1.31	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005

3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	1.33	15.0	0.03	0.05	—	0.05	0.05	—	0.05
Dust From Material Movement	—	—	—	—	—	0.62	0.62	—	0.07	0.07
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.04	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.01	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Dust From Material Movement	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.96	2.25	0.03	0.06	1.25	1.31	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.18	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.52	13.1	16.5	0.02	0.60	—	0.60	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.52	13.1	16.5	0.02	0.60	—	0.60	0.56	—	0.56
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	2.70	3.40	0.01	0.12	—	0.12	0.11	—	0.11
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.49	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.07	5.67	2.20	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.89	2.23	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.22	0.46	0.01	0.01	0.25	0.26	0.01	0.07	0.08
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.22	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01

3.6. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	4.87	17.6	0.02	0.14	—	0.14	0.13	—	0.13
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.68	4.87	17.6	0.02	0.14	—	0.14	0.13	—	0.13
Dust From Material Movement	—	—	—	—	—	0.41	0.41	—	0.04	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	1.00	3.61	0.01	0.03	—	0.03	0.03	—	0.03
Dust From Material Movement	—	—	—	—	—	0.09	0.09	—	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.18	0.66	< 0.005	0.01	—	0.01	0.01	—	0.01
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.67	2.20	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.10	1.18	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	5.89	2.23	0.03	0.06	1.24	1.29	0.06	0.34	0.40
Average Daily	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	1.22	0.46	0.01	0.01	0.25	0.26	0.01	0.07	0.08
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.22	0.08	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	39.2	47.6	0.08	1.58	—	1.58	1.45	—	1.45
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.59	39.2	47.6	0.08	1.58	—	1.58	1.45	—	1.45
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	16.4	19.9	0.03	0.66	—	0.66	0.61	—	0.61
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	2.99	3.64	0.01	0.12	—	0.12	0.11	—	0.11

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.23	19.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.94	0.95	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.36	16.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	2.02	0.96	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.62	7.36	0.00	0.00	1.54	1.54	0.00	0.36	0.36
Vendor	0.02	0.85	0.40	0.01	0.01	0.19	0.20	0.01	0.05	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.34	0.00	0.00	0.28	0.28	0.00	0.07	0.07
Vendor	< 0.005	0.16	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.65	22.5	50.0	0.08	0.47	—	0.47	0.44	—	0.44

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.65	22.5	50.0	0.08	0.47	—	0.47	0.44	—	0.44
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	9.44	20.9	0.03	0.20	—	0.20	0.18	—	0.18
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	1.72	3.82	0.01	0.04	—	0.04	0.03	—	0.03
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.23	19.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.94	0.95	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.20	1.36	16.7	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	2.02	0.96	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.62	7.36	0.00	0.00	1.54	1.54	0.00	0.36	0.36
Vendor	0.02	0.85	0.40	0.01	0.01	0.19	0.20	0.01	0.05	0.06
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—

Worker	0.09	0.11	1.34	0.00	0.00	0.28	0.28	0.00	0.07	0.07
Vendor	< 0.005	0.16	0.07	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.36	37.7	47.3	0.08	1.42	—	1.42	1.30	—	1.30
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.36	37.7	47.3	0.08	1.42	—	1.42	1.30	—	1.30
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	26.9	33.8	0.05	1.01	—	1.01	0.93	—	0.93
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.57	4.92	6.17	0.01	0.18	—	0.18	0.17	—	0.17
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.10	18.3	0.00	0.00	3.71	3.71	0.00	0.87	0.87

Vendor	0.05	1.85	0.89	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.23	15.6	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.93	0.92	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.96	11.7	0.00	0.00	2.62	2.62	0.00	0.61	0.61
Vendor	0.04	1.39	0.65	0.01	0.02	0.33	0.34	0.01	0.09	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.13	0.00	0.00	0.48	0.48	0.00	0.11	0.11
Vendor	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55	22.2	49.9	0.08	0.42	—	0.42	0.39	—	0.39
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55	22.2	49.9	0.08	0.42	—	0.42	0.39	—	0.39

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	15.8	35.7	0.05	0.30	—	0.30	0.28	—	0.28
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.89	6.51	0.01	0.05	—	0.05	0.05	—	0.05
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.10	18.3	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.85	0.89	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.04	1.23	15.6	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.93	0.92	0.01	0.02	0.46	0.48	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.96	11.7	0.00	0.00	2.62	2.62	0.00	0.61	0.61
Vendor	0.04	1.39	0.65	0.01	0.02	0.33	0.34	0.01	0.09	0.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.18	2.13	0.00	0.00	0.48	0.48	0.00	0.11	0.11
Vendor	0.01	0.25	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.15	36.2	47.2	0.08	1.24	—	1.24	1.14	—	1.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.15	36.2	47.2	0.08	1.24	—	1.24	1.14	—	1.14
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.22	10.7	13.9	0.02	0.37	—	0.37	0.34	—	0.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	1.95	2.54	< 0.005	0.07	—	0.07	0.06	—	0.06
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.98	17.0	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.77	0.84	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Worker	0.99	1.22	14.4	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.84	0.86	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.36	4.48	0.00	0.00	1.08	1.08	0.00	0.25	0.25
Vendor	0.01	0.55	0.25	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.82	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	21.8	49.8	0.08	0.36	—	0.36	0.34	—	0.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.46	21.8	49.8	0.08	0.36	—	0.36	0.34	—	0.34
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	6.45	14.7	0.02	0.11	—	0.11	0.10	—	0.10

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	1.18	2.69	< 0.005	0.02	—	0.02	0.02	—	0.02
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	1.01	0.98	17.0	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.77	0.84	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.99	1.22	14.4	0.00	0.00	3.71	3.71	0.00	0.87	0.87
Vendor	0.05	1.84	0.86	0.01	0.01	0.46	0.47	0.01	0.13	0.14
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.36	4.48	0.00	0.00	1.08	1.08	0.00	0.25	0.25
Vendor	0.01	0.55	0.25	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.07	0.82	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor	< 0.005	0.10	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T

Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	9.63	10.4	0.03	0.36	—	0.36	0.33	—	0.33
Architectural Coatings	31.4	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	1.72	1.85	0.01	0.06	—	0.06	0.06	—	0.06
Architectural Coatings	5.59	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.31	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01
Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	3.41	0.00	0.00	0.74	0.74	0.00	0.17	0.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	3.70	17.5	0.03	0.12	—	0.12	0.12	—	0.12
Architectural Coatings	31.4	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.66	3.12	0.01	0.02	—	0.02	0.02	—	0.02
Architectural Coatings	5.59	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.12	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

Architectural Coatings	1.02	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	3.41	0.00	0.00	0.74	0.74	0.00	0.17	0.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.54	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Trenching (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.44	2.64	< 0.005	0.10	—	0.10	0.09	—	0.09
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Trenching (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Onsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	2.44	2.64	< 0.005	0.08	—	0.08	0.08	—	0.08
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.15	0.16	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.36	2.88	33.1	0.08	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.29	0.91	10.7	0.03	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.30	3.14	30.9	0.07	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.28	1.00	9.86	0.02	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.77	0.57	5.68	0.01	0.01	1.29	1.30	0.01	0.33	0.34
High Turnover (Sit Down Restaurant)	0.21	0.13	1.27	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.36	2.88	33.1	0.08	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.29	0.91	10.7	0.03	0.02	2.40	2.42	0.01	0.61	0.63
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.65	3.79	43.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.30	3.14	30.9	0.07	0.05	7.24	7.29	0.05	1.84	1.88
High Turnover (Sit Down Restaurant)	1.28	1.00	9.86	0.02	0.02	2.40	2.42	0.01	0.61	0.63

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.58	4.14	40.7	0.10	0.06	9.64	9.71	0.06	2.45	2.51
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.77	0.57	5.68	0.01	0.01	1.29	1.30	0.01	0.33	0.34
High Turnover (Sit Down Restaurant)	0.21	0.13	1.27	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.98	0.70	6.96	0.02	0.01	1.55	1.56	0.01	0.39	0.40

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.82	0.35	0.01	0.07	—	0.07	0.07	—	0.07
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.05	0.82	0.35	0.01	0.07	—	0.07	0.07	—	0.07
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.06	1.06	0.55	0.01	0.08	—	0.08	0.08	—	0.08
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01	0.15	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01
High Turnover (Sit Down Restaurant)	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.01	0.19	0.10	< 0.005	0.02	—	0.02	0.02	—	0.02

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00

High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Total	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.45	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Total	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Total	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	1.25	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.45	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Total	9.88	0.22	23.6	< 0.005	0.02	—	0.02	0.01	—	0.01
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	6.88	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.56	—	—	—	—	—	—	—	—	—
Total	7.43	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00
Consumer Products	1.25	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.10	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005
Total	1.66	0.03	2.94	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	< 0.005	—	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Subtotal	> -0.005	-0.01	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—

Fruitless Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	—	> -0.005	—	> -0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Subtotal	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
—	—	—	—	—	—	—	—	—	—	—
Total	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	< 0.005	—	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

Oklahoma Texas Redbud	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Subtotal	> -0.005	-0.01	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

Marina Strawberry Tree	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	—	> -0.005	—	> -0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Subtotal	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
—	—	—	—	—	—	—	—	—	—	—
Total	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Annual	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	< 0.005	—	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

Subtotal	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Catalina Cherry	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	—	> -0.005	—	> -0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Subtotal	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
—	—	—	—	—	—	—	—	—	—	—
Total	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	< 0.005	—	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Subtotal	> -0.005	-0.01	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—

Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	—	> -0.005	—	> -0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Subtotal	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
—	—	—	—	—	—	—	—	—	—	—
Total	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	< 0.005	—	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	> -0.005	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Subtotal	> -0.005	-0.01	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—

Coast Live Oak	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	—	> -0.005	—	> -0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Subtotal	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
—	—	—	—	—	—	—	—	—	—	—
Total	> -0.005	-0.02	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005
Annual	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	< 0.005	—	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Oklahoma Texas Redbud	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

Saratoga Hybrid Laurel	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Subtotal	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Sequestered	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	—	—	—	—	—	—	—	—	—
Orange Wattle	—	—	—	—	—	—	—	—	—	—
Marina Strawberry Tree	—	—	—	—	—	—	—	—	—	—
Oklahoma Texas Redbud	—	—	—	—	—	—	—	—	—	—
Australian Willow	—	—	—	—	—	—	—	—	—	—
Saratoga Hybrid Laurel	—	—	—	—	—	—	—	—	—	—
Olive	—	—	—	—	—	—	—	—	—	—
Fruitless Olive	—	—	—	—	—	—	—	—	—	—
Catalina Cherry	—	—	—	—	—	—	—	—	—	—
Coast Live Oak	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—
Mexican Fan Palsm	—	< 0.005	—	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Orange Wattle	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Marina Strawberry Tree	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

Oklahoma Texas Redbud	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Australian Willow	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Saratoga Hybrid Laurel	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fruitless Olive	—	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catalina Cherry	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
Coast Live Oak	—	> -0.005	—	> -0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Subtotal	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005
—	—	—	—	—	—	—	—	—	—	—
Total	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/24/2024	12/31/2024	5.00	6.00	—
Site Preparation	Site Preparation	1/1/2025	1/15/2025	5.00	11.0	—
Grading	Grading	1/16/2025	4/30/2025	5.00	75.0	—
Building Construction	Building Construction	6/1/2025	5/31/2027	5.00	521	—
Architectural Coating	Architectural Coating	4/1/2027	6/30/2027	5.00	65.0	—
Trenching	Trenching	5/1/2025	5/31/2025	5.00	22.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Average	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Grading	Bore/Drill Rigs	Diesel	Average	1.00	8.00	83.0	0.50
Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Other Construction Equipment	Diesel	Average	1.00	8.00	82.0	0.42
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	1.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	3.00	8.00	16.0	0.38

Building Construction	Other Construction Equipment	Diesel	Average	5.00	8.00	82.0	0.42
Building Construction	Other General Industrial Equipment	Diesel	Average	6.00	8.00	35.0	0.34
Building Construction	Other Material Handling Equipment	Diesel	Average	3.00	8.00	93.0	0.40
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Architectural Coating	Scrapers	Diesel	Average	1.00	8.00	423	0.48
Architectural Coating	Surfacing Equipment	Diesel	Average	1.00	8.00	399	0.30
Architectural Coating	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	14.0	0.30
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Demolition	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	7.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Grading	Bore/Drill Rigs	Diesel	Tier 4 Final	1.00	8.00	83.0	0.50

Grading	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Grading	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Other Construction Equipment	Diesel	Tier 4 Final	1.00	8.00	82.0	0.42
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	1.00	7.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	6.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Building Construction	Air Compressors	Diesel	Average	4.00	8.00	37.0	0.48
Building Construction	Cement and Mortar Mixers	Diesel	Average	1.00	8.00	10.0	0.56
Building Construction	Concrete/Industrial Saws	Diesel	Average	2.00	8.00	33.0	0.73
Building Construction	Dumpers/Tenders	Diesel	Average	3.00	8.00	16.0	0.38
Building Construction	Other Construction Equipment	Diesel	Tier 4 Final	5.00	8.00	82.0	0.42
Building Construction	Other General Industrial Equipment	Diesel	Tier 4 Final	6.00	8.00	35.0	0.34
Building Construction	Other Material Handling Equipment	Diesel	Tier 4 Final	3.00	8.00	93.0	0.40
Building Construction	Pumps	Diesel	Average	1.00	8.00	11.0	0.74
Building Construction	Skid Steer Loaders	Diesel	Tier 4 Final	1.00	8.00	71.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Pressure Washers	Diesel	Average	1.00	8.00	14.0	0.30
Architectural Coating	Scrapers	Diesel	Tier 4 Final	1.00	8.00	423	0.48
Architectural Coating	Surfacing Equipment	Diesel	Tier 4 Final	1.00	8.00	399	0.30

Architectural Coating	Sweepers/Scrubbers	Diesel	Average	1.00	8.00	36.0	0.46
Trenching	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50
Trenching	Dumpers/Tenders	Diesel	Average	1.00	8.00	14.0	0.30
Trenching	Excavators	Diesel	Average	1.00	8.00	36.0	0.38

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.33	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	67.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	66.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	284	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	53.7	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	56.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	7.50	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	5.00	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	8.33	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	7.50	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	67.5	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2

Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	66.7	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	284	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	53.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	56.7	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Trenching	—	—	—	—
Trenching	Worker	7.50	18.5	LDA,LDT1,LDT2
Trenching	Vendor	—	10.2	HHDT,MHDT
Trenching	Hauling	0.00	20.0	HHDT
Trenching	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	631,472	210,491	14,193	4,731	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	200	—
Site Preparation	—	5,936	16.5	0.00	—
Grading	—	40,000	75.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.00	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01
2026	0.00	690	0.05	0.01

2027	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,439	1,373	1,373	518,342	10,206	9,742	9,742	3,676,943
High Turnover (Sit Down Restaurant)	416	378	378	148,013	1,458	3,390	3,390	733,761
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,439	1,373	1,373	518,342	10,206	9,742	9,742	3,676,943
High Turnover (Sit Down Restaurant)	416	378	378	148,013	1,458	3,390	3,390	733,761
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	327
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	327
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
631471.95	210,491	14,193	4,731	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,073,702	690	0.0489	0.0069	3,245,592
High Turnover (Sit Down Restaurant)	308,178	690	0.0489	0.0069	896,332
Enclosed Parking with Elevator	388,339	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,075,143	690	0.0489	0.0069	0.00
High Turnover (Sit Down Restaurant)	308,178	690	0.0489	0.0069	896,332
Enclosed Parking with Elevator	388,339	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	12,188,533	635,851
High Turnover (Sit Down Restaurant)	2,872,036	0.00
Enclosed Parking with Elevator	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	12,188,533	635,851
High Turnover (Sit Down Restaurant)	2,872,036	0.00
Enclosed Parking with Elevator	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	193	—
High Turnover (Sit Down Restaurant)	113	—
Enclosed Parking with Elevator	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	193	—
High Turnover (Sit Down Restaurant)	113	—

Enclosed Parking with Elevator	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Orange Wattle	8.00	17,003	85.0
Marina Strawberry Tree	14.0	27,228	133
Oklahoma Texas Redbud	15.0	21,429	96.0
Australian Willow	14.0	7,085	30.0
Saratoga Hybrid Laurel	15.0	21,252	106
Olive	1.00	5,193	24.0
Fruitless Olive	2.00	0.00	0.00
Catalina Cherry	12.0	25,490	127
Coast Live Oak	1.00	21,967	107
Mexican Fan Palsm	-9.00	5,779	22.0

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Orange Wattle	8.00	17,003	85.0
Marina Strawberry Tree	14.0	27,228	133
Oklahoma Texas Redbud	15.0	21,429	96.0
Australian Willow	14.0	7,085	30.0
Saratoga Hybrid Laurel	15.0	21,252	106
Olive	1.00	5,193	24.0
Fruitless Olive	2.00	0.00	0.00
Catalina Cherry	12.0	25,490	127
Coast Live Oak	1.00	21,967	107
Mexican Fan Palsm	-9.00	5,779	22.0

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	9.58	annual days of extreme heat
Extreme Precipitation	6.70	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	57.0
AQ-PM	90.4
AQ-DPM	90.9
Drinking Water	92.5
Lead Risk Housing	83.5
Pesticides	0.00
Toxic Releases	76.8
Traffic	92.2
Effect Indicators	—
CleanUp Sites	54.3
Groundwater	59.6
Haz Waste Facilities/Generators	54.6
Impaired Water Bodies	66.7

Solid Waste	24.8
Sensitive Population	—
Asthma	63.7
Cardio-vascular	60.6
Low Birth Weights	43.1
Socioeconomic Factor Indicators	—
Education	66.1
Housing	65.2
Linguistic	75.2
Poverty	33.5
Unemployment	60.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	38.44475812
Employed	72.42397023
Median HI	50.67368151
Education	—
Bachelor's or higher	67.68895162
High school enrollment	100
Preschool enrollment	74.72090337
Transportation	—
Auto Access	22.93083537
Active commuting	86.88566662
Social	—

2-parent households	32.15706403
Voting	56.82022328
Neighborhood	—
Alcohol availability	9.624021558
Park access	81.35506224
Retail density	29.39817785
Supermarket access	73.02707558
Tree canopy	89.50340049
Housing	—
Homeownership	15.33427435
Housing habitability	17.64403952
Low-inc homeowner severe housing cost burden	6.557166688
Low-inc renter severe housing cost burden	42.98729629
Uncrowded housing	50.73784165
Health Outcomes	—
Insured adults	21.67329655
Arthritis	86.1
Asthma ER Admissions	40.8
High Blood Pressure	84.3
Cancer (excluding skin)	71.8
Asthma	65.7
Coronary Heart Disease	74.7
Chronic Obstructive Pulmonary Disease	71.2
Diagnosed Diabetes	57.0
Life Expectancy at Birth	64.6
Cognitively Disabled	56.3
Physically Disabled	77.4

Heart Attack ER Admissions	57.0
Mental Health Not Good	48.5
Chronic Kidney Disease	73.0
Obesity	54.6
Pedestrian Injuries	59.1
Physical Health Not Good	50.9
Stroke	75.8
Health Risk Behaviors	—
Binge Drinking	35.4
Current Smoker	47.6
No Leisure Time for Physical Activity	54.1
Climate Change Exposures	—
Wildfire Risk	53.8
SLR Inundation Area	0.0
Children	83.0
Elderly	57.3
English Speaking	18.0
Foreign-born	82.0
Outdoor Workers	80.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	51.0
Traffic Density	58.5
Traffic Access	87.4
Other Indices	—
Hardship	46.5
Other Decision Support	—
2016 Voting	38.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	86.0
Healthy Places Index Score for Project Location (b)	53.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Project plans. Population derived from Fehr & Peers, Draft Transportation Assessment – Sunset + Everett Project; July 2023. Estimates from City of Los Angeles VMT Calculator, version 1.3.
Construction: Construction Phases	Developer information
Construction: Off-Road Equipment	Developer information
Construction: Trips and VMT	Assumes 10 CY haul truck capacity
Operations: Hearths	Project plans
Operations: Vehicle Data	—

ATTACHMENT D

Dispersion Model Input and Summary Output Files

```
**BEE-Line Software:  (Version 12.10) data input file
**  Model: AERMOD.EXE     Input File Creation Date: 5/14/2024  Time: 12:00:54 PM
NO ECHO


CO STARTING
CO TITLEONE Sunset and Everett
CO TITLETWO Diesel Particulates / Demolition_Site Preparation_Grading
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO AVERTIME ANNUAL
CO URBANOPT 9818605 LOS_ANGELES 1.0
CO POLLUTID OTHER
CO RUNORNOT RUN
CO FINISHED

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RE DISCCART 384560.00 3770566.00 141.86 183.38
RE DISCCART 384568.00 3770566.00 139.48 183.69
RE DISCCART 384576.00 3770566.00 137.07 183.69
RE DISCCART 384584.00 3770566.00 134.97 183.69
RE DISCCART 384592.00 3770566.00 132.45 183.69
RE DISCCART 384598.50 3770566.00 130.36 183.69
RE DISCCART 384690.20 3770566.00 149.71 183.69
RE DISCCART 384696.30 3770566.00 150.95 183.69
RE DISCCART 384704.00 3770566.00 151.19 183.69
RE DISCCART 384712.00 3770566.00 151.55 183.69
RE DISCCART 384720.00 3770566.00 151.80 183.69
RE DISCCART 384728.00 3770566.00 152.08 183.69
RE DISCCART 384736.00 3770566.00 151.71 183.69
RE DISCCART 384744.00 3770566.00 150.85 183.69
RE DISCCART 384552.00 3770574.00 144.84 181.70
RE DISCCART 384560.00 3770574.00 142.02 183.38
RE DISCCART 384568.00 3770574.00 139.84 183.69
RE DISCCART 384576.00 3770574.00 137.44 183.69
RE DISCCART 384584.00 3770574.00 135.22 183.69
RE DISCCART 384592.00 3770574.00 132.93 183.69
RE DISCCART 384598.40 3770574.00 130.69 183.69
RE DISCCART 384691.00 3770574.00 150.71 183.69
RE DISCCART 384696.70 3770574.00 152.45 183.69
RE DISCCART 384704.00 3770574.00 152.77 183.69
RE DISCCART 384712.00 3770574.00 153.42 183.69
RE DISCCART 384720.00 3770574.00 153.53 183.69
RE DISCCART 384728.00 3770574.00 153.38 183.69
RE DISCCART 384736.00 3770574.00 153.34 183.69
RE DISCCART 384744.00 3770574.00 152.18 183.69
RE DISCCART 384552.00 3770582.00 145.21 181.70
RE DISCCART 384560.00 3770582.00 142.28 183.38
RE DISCCART 384568.00 3770582.00 140.09 183.69
RE DISCCART 384576.00 3770582.00 137.71 183.69
RE DISCCART 384584.00 3770582.00 135.45 183.69
RE DISCCART 384592.00 3770582.00 133.31 183.69
RE DISCCART 384598.40 3770582.00 130.95 183.69
RE DISCCART 384691.50 3770582.00 151.37 183.69
RE DISCCART 384697.00 3770582.00 153.22 183.69
RE DISCCART 384704.00 3770582.00 153.93 183.69
RE DISCCART 384712.00 3770582.00 154.34 183.69
RE DISCCART 384720.00 3770582.00 154.68 183.69
RE DISCCART 384728.00 3770582.00 154.47 183.69
RE DISCCART 384736.00 3770582.00 154.28 183.69
RE DISCCART 384744.00 3770582.00 153.31 183.69
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RE DISCCART 384560.00 3770590.00 142.63 183.38

RE DISCCART 384568.00 3770590.00 140.31 183.69
RE DISCCART 384576.00 3770590.00 138.07 183.69
RE DISCCART 384584.00 3770590.00 135.76 183.69
RE DISCCART 384592.00 3770590.00 133.61 183.69
RE DISCCART 384598.40 3770590.00 131.18 183.69
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RE DISCCART 384697.00 3770590.00 153.88 183.69
RE DISCCART 384704.00 3770590.00 154.93 183.69
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RE DISCCART 384720.00 3770590.00 155.32 183.69
RE DISCCART 384728.00 3770590.00 155.17 183.69
RE DISCCART 384736.00 3770590.00 154.96 183.69
RE DISCCART 384744.00 3770590.00 154.41 183.69
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RE DISCCART 384568.00 3770598.00 140.42 183.69
RE DISCCART 384576.00 3770598.00 138.48 183.69
RE DISCCART 384584.00 3770598.00 136.13 183.69
RE DISCCART 384592.00 3770598.00 133.86 183.69
RE DISCCART 384598.40 3770598.00 131.41 183.69
RE DISCCART 384692.00 3770598.10 152.93 183.69
RE DISCCART 384697.00 3770598.00 154.63 183.69
RE DISCCART 384704.00 3770598.00 155.77 183.50
RE DISCCART 384712.00 3770598.00 155.97 183.69
RE DISCCART 384720.00 3770598.00 155.97 183.69
RE DISCCART 384728.00 3770598.00 155.97 183.69
RE DISCCART 384736.00 3770598.00 155.89 183.69
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RE DISCCART 384568.00 3770606.00 137.82 183.69
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RE DISCCART 384584.00 3770606.00 134.76 183.69
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RE DISCCART 384598.40 3770606.00 131.35 183.69
RE DISCCART 384640.50 3770606.00 136.11 183.69
RE DISCCART 384648.00 3770606.00 138.52 183.69
RE DISCCART 384656.00 3770606.00 141.40 183.69
RE DISCCART 384664.00 3770606.00 144.34 183.69
RE DISCCART 384672.00 3770606.00 146.91 183.69
RE DISCCART 384680.00 3770606.00 149.37 183.69
RE DISCCART 384688.00 3770606.00 152.25 183.69
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RE DISCCART 384704.00 3770606.00 156.32 183.38
RE DISCCART 384712.00 3770606.00 157.10 183.38
RE DISCCART 384720.00 3770606.00 157.56 183.50
RE DISCCART 384728.00 3770606.00 157.80 183.69
RE DISCCART 384736.00 3770606.00 157.77 183.69
RE DISCCART 384744.00 3770606.00 156.98 183.69
RE DISCCART 384552.00 3770614.00 146.34 181.70
RE DISCCART 384560.00 3770614.00 141.77 183.69
RE DISCCART 384568.00 3770614.00 138.05 183.69
RE DISCCART 384576.00 3770614.00 135.07 183.69
RE DISCCART 384584.00 3770614.00 134.50 183.69
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RE DISCCART 384598.40 3770614.00 131.43 183.69
RE DISCCART 384640.50 3770614.00 136.09 183.69
RE DISCCART 384648.00 3770614.00 138.45 183.69
RE DISCCART 384656.00 3770614.00 141.31 183.69
RE DISCCART 384664.00 3770614.00 144.34 183.69
RE DISCCART 384672.00 3770614.00 146.99 183.69
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RE DISCCART 384712.00 3770614.00 156.79 183.69
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RE DISCCART 384728.00 3770614.00 157.91 183.69
RE DISCCART 384736.00 3770614.00 158.35 183.69
RE DISCCART 384744.00 3770614.00 158.08 183.69
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RE DISCCART 384560.00 3770622.00 142.82 183.38
RE DISCCART 384568.00 3770622.00 139.33 183.69
RE DISCCART 384576.00 3770622.00 135.50 183.69
RE DISCCART 384584.00 3770622.00 134.43 183.69

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RE DISCCART 384592.00 3770622.00 132.71 183.69
RE DISCCART 384598.38 3770621.85 131.52 183.69
RE DISCCART 384640.50 3770622.00 135.53 183.69
RE DISCCART 384648.00 3770622.00 138.39 183.69
RE DISCCART 384656.00 3770622.00 141.36 183.69
RE DISCCART 384664.00 3770622.00 144.42 183.69
RE DISCCART 384672.00 3770622.00 147.28 183.69
RE DISCCART 384680.00 3770622.00 149.91 183.69
RE DISCCART 384688.00 3770622.00 152.91 183.69
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RE DISCCART 384704.00 3770622.00 156.56 183.50
RE DISCCART 384712.00 3770622.00 157.26 183.50
RE DISCCART 384720.00 3770622.00 158.56 183.38
RE DISCCART 384728.00 3770622.00 158.47 183.69
RE DISCCART 384736.00 3770622.00 158.96 183.69
RE DISCCART 384744.00 3770622.00 159.16 183.69
RE DISCCART 384640.50 3770630.00 134.50 183.69
RE DISCCART 384648.00 3770630.00 137.77 183.69
RE DISCCART 384656.00 3770630.00 140.92 183.69
RE DISCCART 384664.00 3770630.00 144.12 183.69
RE DISCCART 384672.00 3770630.00 147.28 183.69
RE DISCCART 384680.00 3770630.00 150.24 183.69
RE DISCCART 384688.00 3770630.00 153.19 183.69
RE DISCCART 384696.00 3770630.00 155.97 183.50
RE DISCCART 384704.00 3770630.00 157.22 183.38
RE DISCCART 384712.00 3770630.00 158.34 183.38
RE DISCCART 384720.00 3770630.00 159.61 183.38
RE DISCCART 384728.00 3770630.00 159.61 183.38
RE DISCCART 384736.00 3770630.00 160.04 183.50
RE DISCCART 384744.00 3770630.00 160.34 183.69
RE DISCCART 384703.79 3770636.02 157.92 183.38
RE DISCCART 384712.13 3770636.44 159.46 183.38
RE DISCCART 384719.63 3770636.44 160.03 183.38
RE DISCCART 384727.96 3770637.27 161.06 183.38
RE DISCCART 384736.00 3770638.00 161.66 183.38
RE DISCCART 384744.00 3770638.00 161.67 183.38
RE DISCCART 384687.30 3770518.10 144.42 183.69
RE DISCCART 384707.54 3770444.77 134.17 183.69
RE FINISHED

ME STARTING
ME SURFFILE "E:\WD Passport\sunset_everett\metdata\CELA_v9.SFC" FREE
ME PROFFILE "E:\WD Passport\sunset_everett\metdata\CELA_v9.PFL" FREE
ME SURFDATA  99999 2010
ME UAIRDATA  3190 2010
ME SITEDATA  99999 2010-2016
ME PROFBASE 87 METERS
ME FINISHED

OU STARTING
OU PLOTFILE ANNUAL ALL "E:\WD Passport\sunset_everett\model\SETUP1_2010-2016_OTHER.GRF" 31
OU SUMMFILE "E:\WD Passport\sunset_everett\model\SETUP1_2010-2016_OTHER.SUM"
OU FINISHED
```

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   383 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   9818605.0 ; Urban Roughness Length = 1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates ANNUAL Averages Only

**This Run Includes: 383 Source(s);   1 Source Group(s); and   516 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 383 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   87.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.8 MB of RAM.

**Input Runstream File: E:\WD Passport\sunset_everett\model\SETUP1_2010-2016_OTHER.DTA
**Output Print File: E:\WD Passport\sunset_everett\model\SETUP1_2010-2016_OTHER.LST

**File for Summary of Results: E:\WD Passport\sunset_everett\model\SETUP1_2010-2016_OTHER.SUM

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: E:\WD Passport\sunset_everett\metdata\CELA_v9.SFC Met Version: 16216
Profile file: E:\WD Passport\sunset_everett\metdata\CELA_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 99999 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-33.0	0.331	-9.000	-9.000	-999.	456.	120.2	0.56	0.86	1.00	3.10	38.	21.3	284.9	17.7
10	01	01	1	02	-26.9	0.285	-9.000	-9.000	-999.	367.	89.6	0.56	0.86	1.00	2.70	38.	21.3	284.2	17.7
10	01	01	1	03	-38.6	0.387	-9.000	-9.000	-999.	577.	164.6	0.56	0.86	1.00	3.60	35.	21.3	284.2	17.7
10	01	01	1	04	-33.0	0.331	-9.000	-9.000	-999.	458.	120.2	0.56	0.86	1.00	3.10	34.	21.3	283.8	17.7
10	01	01	1	05	-33.1	0.331	-9.000	-9.000	-999.	456.	120.2	0.56	0.86	1.00	3.10	37.	21.3	283.1	17.7
10	01	01	1	06	-38.7	0.387	-9.000	-9.000	-999.	577.	164.5	0.56	0.86	1.00	3.60	24.	21.3	283.1	17.7
10	01	01	1	07	-38.6	0.387	-9.000	-9.000	-999.	577.	164.5	0.56	0.86	1.00	3.60	35.	21.3	283.8	17.7
10	01	01	1	08	-29.6	0.435	-9.000	-9.000	-999.	688.	251.8	0.56	0.86	0.55	4.00	35.	21.3	283.8	17.7
10	01	01	1	09	30.0	0.426	0.367	0.008	59.	666.	-232.0	0.56	0.86	0.32	3.60	38.	21.3	286.4	17.7
10	01	01	1	10	72.3	0.359	0.629	0.008	124.	519.	-57.8	0.56	0.86	0.24	2.70	34.	21.3	290.4	17.7
10	01	01	1	11	104.4	0.321	0.998	0.008	344.	437.	-28.6	0.56	0.86	0.21	2.20	43.	21.3	292.5	17.7
10	01	01	1	12	115.1	0.283	1.156	0.008	484.	363.	-17.9	0.56	0.86	0.20	1.80	62.	21.3	295.9	17.7
10	01	01	1	13	91.4	0.406	1.130	0.008	568.	622.	-66.2	0.56	0.86	0.20	3.10	263.	21.3	294.2	17.7
10	01	01	1	14	89.3	0.316	1.168	0.008	642.	432.	-31.9	0.56	0.86	0.21	2.20	259.	21.3	294.9	17.7
10	01	01	1	15	42.6	0.295	0.928	0.008	675.	384.	-54.0	0.56	0.86	0.25	2.20	267.	21.3	294.9	17.7
10	01	01	1	16	12.0	0.359	0.609	0.008	680.	516.	-347.9	0.56	0.86	0.33	3.10	264.	21.3	292.5	17.7
10	01	01	1	17	-15.7	0.231	-9.000	-9.000	-999.	276.	70.7	0.56	0.86	0.60	2.20	288.	21.3	290.9	17.7
10	01	01	1	18	-6.1	0.135	-9.000	-9.000	-999.	124.	36.7	0.56	0.86	1.00	1.30	344.	21.3	289.2	17.7
10	01	01	1	19	-11.4	0.184	-9.000	-9.000	-999.	190.	49.2	0.56	0.86	1.00	1.80	2.	21.3	288.8	17.7
10	01	01	1	20	-17.4	0.229	-9.000	-9.000	-999.	263.	62.1	0.56	0.86	1.00	2.20	22.	21.3	288.1	17.7
10	01	01	1	21	-17.4	0.229	-9.000	-9.000	-999.	263.	61.9	0.56	0.86	1.00	2.20	40.	21.3	287.0	17.7
10	01	01	1	22	-11.5	0.184	-9.000	-9.000	-999.	190.	49.1	0.56	0.86	1.00	1.80	306.	21.3	287.0	17.7
10	01	01	1	23	-11.5	0.184	-9.000	-9.000	-999.	190.	49.0	0.56	0.86	1.00	1.80	45.	21.3	286.4	17.7
10	01	01	1	24	-11.5	0.184	-9.000	-9.000	-999.	190.	49.0	0.56	0.86	1.00	1.80	67.	21.3	286.4	17.7

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV

```
 10 01 01 01   17.7 0 -999.  -99.00   284.9   99.0  -99.00  -99.00
 10 01 01 01   21.3 1   38.    3.10  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

                                *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   5 YEARS ***


                                 ** CONC OF OTHER    IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.08460 AT (  384679.00,  3770421.90,   129.29,   183.69,    0.00)  DC
          2ND HIGHEST VALUE IS       0.07821 AT (  384687.70,  3770525.60,   145.11,   183.69,    0.00)  DC
          3RD HIGHEST VALUE IS       0.07805 AT (  384679.80,  3770430.00,   130.10,   183.69,    0.00)  DC
          4TH HIGHEST VALUE IS       0.07722 AT (  384687.30,  3770518.10,   144.42,   183.69,    0.00)  DC
          5TH HIGHEST VALUE IS       0.07714 AT (  384686.50,  3770510.20,   143.08,   183.69,    0.00)  DC
          6TH HIGHEST VALUE IS       0.07670 AT (  384688.10,  3770533.50,   146.56,   183.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.07626 AT (  384685.60,  3770502.00,   141.24,   183.69,    0.00)  DC
          8TH HIGHEST VALUE IS       0.07607 AT (  384680.20,  3770437.70,   130.91,   183.69,    0.00)  DC
          9TH HIGHEST VALUE IS       0.07523 AT (  384681.00,  3770446.00,   131.99,   183.69,    0.00)  DC
         10TH HIGHEST VALUE IS       0.07517 AT (  384681.50,  3770453.50,   133.03,   183.69,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of          808 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of            4 Calm Hours Identified

 A Total of          804 Missing Hours Identified (  1.83 Percent)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    1698       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1698       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap
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**BEE-Line Software:  (Version 12.10) data input file
**  Model: AERMOD.EXE     Input File Creation Date: 5/14/2024  Time: 12:25:13 PM
NO ECHO


CO STARTING
CO TITLEONE Sunset and Everett
CO TITLETWO Diesel Particulates / Trenching_Building Construction_Architectural Coating
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO AVERTIME ANNUAL
CO URBANOPT 9818605 LOS_ANGELES 1.0
CO POLLUTID OTHER
CO RUNORNOT RUN
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
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OU FINISHED
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*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE = F
     * Model Uses NO WET DEPLETION. WETDPLT = F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   247 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   9818605.0 ; Urban Roughness Length = 1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: OTHER

**Model Calculates ANNUAL Averages Only

**This Run Includes: 247 Source(s);   1 Source Group(s); and   516 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 247 VOLUME source(s)
                and: 0 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)
                and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   87.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.7 MB of RAM.

**Input Runstream File: E:\WD Passport\sunset_everett\model\SETUP2_2010-2016_OTHER.DTA
**Output Print File: E:\WD Passport\sunset_everett\model\SETUP2_2010-2016_OTHER.LST

**File for Summary of Results: E:\WD Passport\sunset_everett\model\SETUP2_2010-2016_OTHER.SUM

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: E:\WD Passport\sunset_everett\metdata\CELA_v9.SFC Met Version: 16216
Profile file: E:\WD Passport\sunset_everett\metdata\CELA_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 99999 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-33.0	0.331	-9.000	-9.000	-999.	456.	120.2	0.56	0.86	1.00	3.10	38.	21.3	284.9	17.7
10	01	01	1	02	-26.9	0.285	-9.000	-9.000	-999.	367.	89.6	0.56	0.86	1.00	2.70	38.	21.3	284.2	17.7
10	01	01	1	03	-38.6	0.387	-9.000	-9.000	-999.	577.	164.6	0.56	0.86	1.00	3.60	35.	21.3	284.2	17.7
10	01	01	1	04	-33.0	0.331	-9.000	-9.000	-999.	458.	120.2	0.56	0.86	1.00	3.10	34.	21.3	283.8	17.7
10	01	01	1	05	-33.1	0.331	-9.000	-9.000	-999.	456.	120.2	0.56	0.86	1.00	3.10	37.	21.3	283.1	17.7
10	01	01	1	06	-38.7	0.387	-9.000	-9.000	-999.	577.	164.5	0.56	0.86	1.00	3.60	24.	21.3	283.1	17.7
10	01	01	1	07	-38.6	0.387	-9.000	-9.000	-999.	577.	164.5	0.56	0.86	1.00	3.60	35.	21.3	283.8	17.7
10	01	01	1	08	-29.6	0.435	-9.000	-9.000	-999.	688.	251.8	0.56	0.86	0.55	4.00	35.	21.3	283.8	17.7
10	01	01	1	09	30.0	0.426	0.367	0.008	59.	666.	-232.0	0.56	0.86	0.32	3.60	38.	21.3	286.4	17.7
10	01	01	1	10	72.3	0.359	0.629	0.008	124.	519.	-57.8	0.56	0.86	0.24	2.70	34.	21.3	290.4	17.7
10	01	01	1	11	104.4	0.321	0.998	0.008	344.	437.	-28.6	0.56	0.86	0.21	2.20	43.	21.3	292.5	17.7
10	01	01	1	12	115.1	0.283	1.156	0.008	484.	363.	-17.9	0.56	0.86	0.20	1.80	62.	21.3	295.9	17.7
10	01	01	1	13	91.4	0.406	1.130	0.008	568.	622.	-66.2	0.56	0.86	0.20	3.10	263.	21.3	294.2	17.7
10	01	01	1	14	89.3	0.316	1.168	0.008	642.	432.	-31.9	0.56	0.86	0.21	2.20	259.	21.3	294.9	17.7
10	01	01	1	15	42.6	0.295	0.928	0.008	675.	384.	-54.0	0.56	0.86	0.25	2.20	267.	21.3	294.9	17.7
10	01	01	1	16	12.0	0.359	0.609	0.008	680.	516.	-347.9	0.56	0.86	0.33	3.10	264.	21.3	292.5	17.7
10	01	01	1	17	-15.7	0.231	-9.000	-9.000	-999.	276.	70.7	0.56	0.86	0.60	2.20	288.	21.3	290.9	17.7
10	01	01	1	18	-6.1	0.135	-9.000	-9.000	-999.	124.	36.7	0.56	0.86	1.00	1.30	344.	21.3	289.2	17.7
10	01	01	1	19	-11.4	0.184	-9.000	-9.000	-999.	190.	49.2	0.56	0.86	1.00	1.80	2.	21.3	288.8	17.7
10	01	01	1	20	-17.4	0.229	-9.000	-9.000	-999.	263.	62.1	0.56	0.86	1.00	2.20	22.	21.3	288.1	17.7
10	01	01	1	21	-17.4	0.229	-9.000	-9.000	-999.	263.	61.9	0.56	0.86	1.00	2.20	40.	21.3	287.0	17.7
10	01	01	1	22	-11.5	0.184	-9.000	-9.000	-999.	190.	49.1	0.56	0.86	1.00	1.80	306.	21.3	287.0	17.7
10	01	01	1	23	-11.5	0.184	-9.000	-9.000	-999.	190.	49.0	0.56	0.86	1.00	1.80	45.	21.3	286.4	17.7
10	01	01	1	24	-11.5	0.184	-9.000	-9.000	-999.	190.	49.0	0.56	0.86	1.00	1.80	67.	21.3	286.4	17.7

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV

```
 10 01 01 01   17.7 0 -999.  -99.00   284.9   99.0  -99.00  -99.00
 10 01 01 01   21.3 1   38.    3.10  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER   5 YEARS ***


                                   ** CONC OF OTHER    IN MICROGRAMS/M**3                        **

                                                                                                          NETWORK
GROUP ID                       AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.31642 AT (  384679.00,  3770421.90,   129.29,   183.69,    0.00)  DC
          2ND HIGHEST VALUE IS       0.25925 AT (  384679.80,  3770430.00,   130.10,   183.69,    0.00)  DC
          3RD HIGHEST VALUE IS       0.25859 AT (  384686.70,  3770422.00,   130.73,   183.69,    0.00)  DC
          4TH HIGHEST VALUE IS       0.23714 AT (  384681.50,  3770453.50,   133.03,   183.69,    0.00)  DC
          5TH HIGHEST VALUE IS       0.23440 AT (  384682.70,  3770469.80,   136.38,   183.69,    0.00)  DC
          6TH HIGHEST VALUE IS       0.23283 AT (  384680.20,  3770437.70,   130.91,   183.69,    0.00)  DC
          7TH HIGHEST VALUE IS       0.23147 AT (  384682.30,  3770461.40,   135.13,   183.69,    0.00)  DC
          8TH HIGHEST VALUE IS       0.22991 AT (  384683.50,  3770477.70,   137.53,   183.69,    0.00)  DC
          9TH HIGHEST VALUE IS       0.22909 AT (  384681.00,  3770446.00,   131.99,   183.69,    0.00)  DC
         10TH HIGHEST VALUE IS       0.22229 AT (  384684.00,  3770486.00,   138.85,   183.69,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
 A Total of          808 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of            4 Calm Hours Identified

 A Total of          804 Missing Hours Identified (  1.83 Percent)


    ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    1290       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1290       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap
```

ATTACHMENT E

List of References

1. California Air Pollution Control Officers Association (CAPCOA), 2021. California Emissions Estimator Model (CalEEMod).

2. California Air Resources Board, 2023. *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values*.

3. California Air Resources Board, 2021. Overview of the Air Toxics "Hot Spots" Information and Assessment Act. Website: https://ww2.arb.ca.gov/overview-air-toxics-hot-spots-information-and-assessment-act.

4. California Code of Regulations, Title 22, Section 12703.

5. California Department of Toxic Substances Control (DTSC), 2022. *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs)*.

6. California Health and Safety Code Section 44360.

7. California Office of Environmental Health Hazard Assessment, 2015. Air Toxic Hot Spots Program Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments California Health and Safety Code Section 44360.

8. City of Los Angeles, Department of City Planning, 2024. Sunset and Everett Project. Sustainable Communities Environmental Assessment: Case No. ENV-2024-5529-SCEA.

9. Douglas Kim and Associates LLC, 2024. CalEEMod output file - Sunset Everett (Future) Detailed Report, 5/9/2024.

10. Lozeau Drury LLP, 2024. Comment on Sustainable Communities Environmental Assessment, Sunset and Everett Project (ENV-2023-5529-SCEA).

11. South Coast Air Quality Management District, 2006. *Final – Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds.*

12. South Coast Air Quality Management District, 2008. *Final Localized Significance Threshold Methodology.*

13. South Coast Air Quality Management District (SCAQMD), 2015. Staff Report – Proposed Amended Rules: 212–Standards for Approving Permits and Issuing Public Notice, 1401–New Source Review of Toxic Air Contaminants, 1401.1–Requirements for New and Relocated Facilities Near Schools, and 1402–Control of Toxic Air Contaminants from Existing Sources.

14. South Coast Air Quality Management District (SCAQMD), 2023. Air Quality Significance Thresholds.

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16. United States Environmental Protection Agency, Office of Emergency and Remedial Response, Toxics Integration Branch, December 1989. *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part A, Interim Final*. EPA-540/1-89-002.

17. United States Environmental Protection Agency, Office of Emergency and Remedial Response, Toxics Integration Branch, March 1991. *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors, Interim Final*. OSWER 9285.6-03.

18. United States Environmental Protection Agency, Office of Research and Development, 2002. *Health Assessment Document for Diesel Exhaust*. EPA/600/8-90/057F.

19. United States Environmental Protection Agency, 2005. *Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens*, EPA/630/R-003F).

20. United States Environmental Protection Agency, 2006. Memorandum - Implementation of the Cancer Guidelines and Accompanying Supplemental Guidance - Science Policy Council Cancer Guidelines Implementation Workgroup Communication II: Performing Risk Assessments that include Carcinogens Described in the *Supplemental Guidance* as having a Mutagenic Mode of Action.

21. United States Environmental Protection Agency, Office of Research and Development, 2008. *Child-Specific Exposure Factors Handbook*. EPA/600/R-06/096F.

22. United States Environmental Protection Agency, 2015. Handbook for Implementing the Supplemental Cancer Guidance at Waste and Cleanup Sites. Website: http://www.epa.gov/oswer/riskassessment/sghandbook/chemicals.htm.

23. United States Environmental Protection Agency, 2016. *User's Guide for the AMS/EPA Regulatory Model - AERMOD*. EPA-454/B-16-011.

24. United States Environmental Protection Agency, 2016. *AERMOD Implementation Guide.* EPA-454/B-16-013.

25. United States Environmental Protection Agency, 2017. Guideline on Air Quality Models (Final Rule). 40 CFR Part 51.

26. United States Environmental Protection Agency, National Center for Environmental Assessment, 2018. Integrated Risk Information System (IRIS). Diesel Engine Exhaust.

Exhibit B

Signal Warrant Analysis

FEHR PEERS

Memorandum

Date: May 2024

To: Jeff Farrington, Aragon Properties, & Dana Sayles, three6ixty

From: John Muggridge and Andrew Jarnagin, Fehr & Peers

Subject: Signal Warrant Analysis for Sunset Boulevard / Everett Street

LA23-3441

Responding to community concerns regarding the proposed construction of the Sunset+Everett Project at 1185 Sunset Boulevard, a signal warrant analysis was conducted for the Sunset Boulevard / Everett Street intersection for determination on the need for a traffic signal at this location. The satisfaction of a traffic signal warrant does not itself require the installation of a signal, and other factors relative to safety, traffic flow, signal spacing, coordination, etc. should be considered. This memorandum summarizes the results of the signal warrant analysis and considers other factors for installing a signal.

Signal Warrant Analysis

A signal warrant analysis was conducted for the Sunset Boulevard / Everett Street intersection to see if it would trigger the potential need for a traffic signal. Using the Manual on Uniform Traffic Control Devices (MUTCD), the intersection was tested to see if its volumes meet signal warrants. The peak hour signal warrant was used for this analysis, and it is intended for use at a location where traffic conditions are such that for a minimum of 1 hour of an average day, the minor-street traffic suffers undue delay when entering or crossing a major street. The traffic counts used for this signal warrant analysis were collected in May 2023.

The Sunset Boulevard / Everett Street intersection **does not trigger the signal warrant under the Future (2027) Plus Project condition in either the AM or PM peak hours.** Analysis sheets for signal warrants can be found in **Attachment A**.

600 Wilshire Boulevard | Suite 1050 | Los Angeles, CA 90017 | (213) 261-3050 | Fax (310) 394-7663
www.fehrandpeers.com

Other Considerations

Sunset+Everett Project Trips

The Sunset+Everett project would have three driveways for vehicular access to the site, all of which are on Sunset Boulevard. The project would have no vehicular access via Everett Street. Additionally, the project is not forecasted to generate any new trips on Everett Street, which is a dead-end street with largely residential uses and would therefore not contribute to the minimum vehicle volume required to trigger a peak hour signal warrant on Everett Street.

Roadway Geometries

Due to the offset approaches of the Everett Street and Boylston Street intersections with Sunset Boulevard, a potential traffic signal would likely require split phasing (separate and exclusive green phases for Everett Street and Boylston Street, respectively), which necessitates a larger share of the cycle length to be dedicated to the side street approaches, thus increasing vehicular delay on Sunset Boulevard. Additionally, a potential traffic signal would in close proximity (~325') to the existing signal at Marion Avenue.

Attachment A – Singal Warrant Analysis Sheets

FEHR PEERS

Project	Sunset+Everett Project
Scenario	Future Plus Project
Peak Hour	AM

Major Street	Sunset Boulevard
Minor Street	Everett Street

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	27	0	26
Through	1,203	2,095	0	11
Right	23	0	0	41
Total	1,226	2,122	0	78

Major Street Direction

x	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	43.7
Approach with Worst Case Delay	WB
Total Vehicles on Approach	78

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Future Plus Project	**0.9**	**78**	**3,426**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**Not Met**	**Not Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

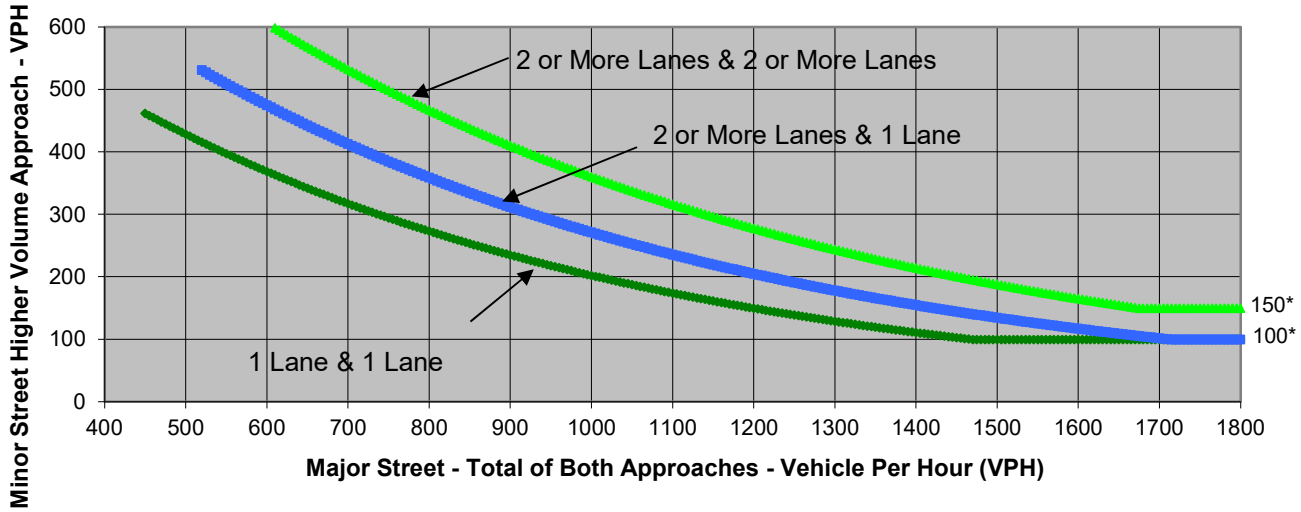
Major Street	Sunset Boulevard	Project	Sunset+Everett Project
Minor Street	Everett Street	Scenario	Future Plus Project
		Peak Hour	AM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	27	0	26
Through	1203	2095	0	11
Right	23	0	0	41
Total	1,226	2,122	0	78

Major Street Direction

x	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sunset Boulevard	Everett Street	
Number of Approach Lanes	**4**	**1**	**NO**
Traffic Volume (VPH) *	**3,348**	**78**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

FEHR PEERS

Project	Sunset+Everett Project
Scenario	Future Plus Project
Peak Hour	PM

Major Street	Sunset Boulevard
Minor Street	Everett Street

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	61	0	14
Through	1,807	1,448	0	5
Right	45	0	0	39
Total	1,852	1,509	0	58

Major Street Direction

x	North/South
	East/West

Intersection Geometry

Number of Approach Lanes for Minor Street	1
Total Approaches	3

Worst Case Delay for Minor Street

Stopped Delay (seconds per vehicle)	65.1
Approach with Worst Case Delay	WB
Total Vehicles on Approach	58

Warrant 3A, Peak Hour			
	Peak Hour Delay on Minor Approach (vehicle-hours)	**Peak Hour Volume on Minor Approach (vph)**	**Peak Hour Entering Volume Serviced (vph)**
Future Plus Project	**1**	**58**	**3,419**
Limiting Value	**4**	**100**	**650**
Condition Satisfied?	**Not Met**	**Not Met**	**Met**
Warrant Met	**NO**		

FEHR PEERS

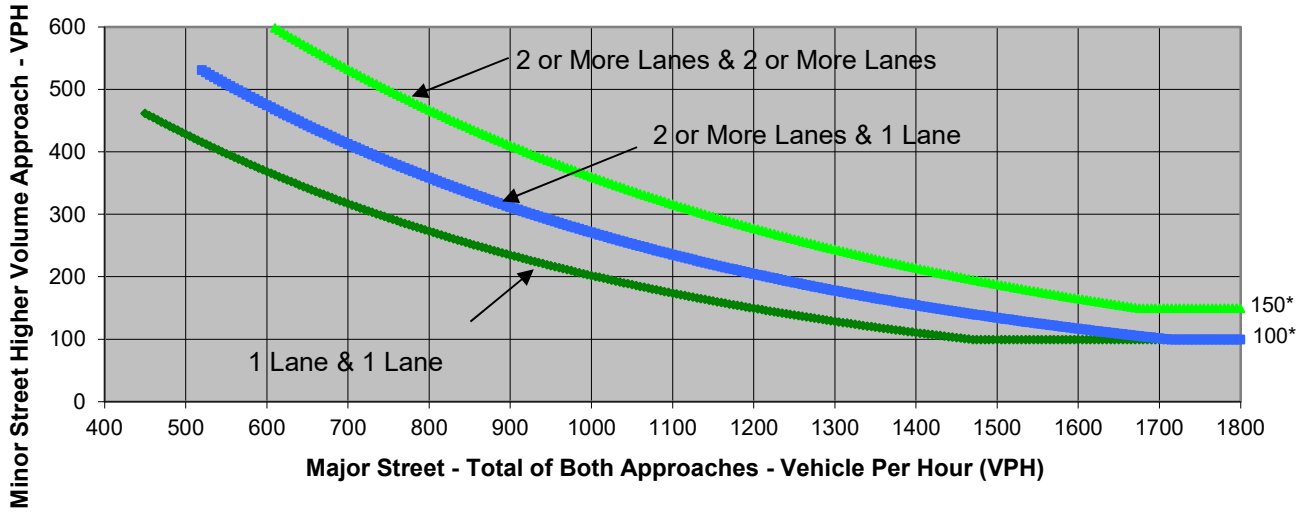
Major Street	Sunset Boulevard	Project	Sunset+Everett Project
Minor Street	Everett Street	Scenario	Future Plus Project
		Peak Hour	PM

Turn Movement Volumes

	NB	SB	EB	WB
Left	0	61	0	14
Through	1807	1448	0	5
Right	45	0	0	39
Total	1,852	1,509	0	58

Major Street Direction

x	North/South
	East/West



* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: *California Manual on Uniform Traffic Control Devices*, Caltrans, 2014

	Major Street	Minor Street	Warrant Met
	Sunset Boulevard	Everett Street	
Number of Approach Lanes	**4**	**1**	**NO**
Traffic Volume (VPH) *	**3,361**	**58**	

* Note: Traffic Volume for Major Street is Total Volume of Both Approches.
Traffic Volume for Minor Street is the Volume of High Volume Approach.

Exhibit C

Biological Response to Comments

June 4, 2024

Stephanie DeHerrera
Rand Paster Nelson
Email: stephanie@rpnllp.com

RE: Responses to Public Comments to the Sustainable Communities Environmental Assessment (SCEA) for the Sunset and Everett Project in Los Angeles, California

Dear Stephanie:

This letter includes responses to public comments in a project specific environmental document for the Sunset and Everett Project (project) in Los Angeles, California. The project is a proposed mixed-use development at the intersection of Sunset Boulevard and Everett Street in an area that also extends north along Sunset Boulevard. The development includes sixteen lots assigned to Assessor Parcel Number 540-601-6036 in a previously developed lot that currently contains ruderal and landscaped plants in a densely urbanized area.

Regulatory Background

The State of California created the Sustainable Communities and Climate Protection Act of 2008 (SB 375) to help regional land use and transportation planning strategies meet California's greenhouse gas (GHG) emission reduction mandates set by the California Air Resources Board (CARB). SB 375 allows cities to act as lead agency for projects that qualify as transit priority projects (TPPs) and are consistent with the 2020-2045 RTP/SCS. Lead agencies are allowed to prepare a Sustainable Communities Environmental Assessment (SCEA) in lieu of CEQA documents. Identical to the requirement of CEQA, a SCEA for TPPs requires an initial and comprehensive environmental study to identify potential impacts. The SCEA for a TPP must also contain mitigation measures that either avoid, or mitigate to a level of insignificance, all potential impacts.

Project Background

The project qualifies as a TPP, and in March of 2024, the City of Los Angeles completed an SCEA for the project that included an analysis of potential impacts to Biological Resources. Potential impacts, avoidance measures, and mitigation measures are recorded within *Section 5 – Evaluation of Environmental Impacts* of the SCEA. The findings of the SCEA Section 5.1.4 regarding Biological Resources impacts were that the project would have a "Less Than Significant

Impact" on subsections 5.1.4.b-e and no impact to subsection 5.1.4.f. However, the findings for Section 5.1.4.a were that the project would have a "Less Than Significant with Mitigation Incorporated" due to the potential for nesting birds protected by the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code to be impacted by the development during removal of onsite vegetation and ground disturbance. The SCEA proposes mitigation that includes preconstruction surveys for nesting birds and avoidance of impacts to active nests using no-work buffers to ensure that no impacts to nesting birds would occur, and to ensure the project compliance with the MBTA and Fish and Game Code.

The SCEA was open to public comment for a period of 30 days. The public comment included a letter dated April 11, 2024 that was prepared by Shawn Smallwood, Ph.D. regarding *Section 5.1.4 Biological Resources* of the SCEA. The Smallwood Letter asserts that the special-status species impacts for the project in Section 5.1.4.a would be much greater than shown by the City of Los Angeles. According to Dr. Smallwood's letter, the submitted SCEA did not mitigate biological impacts to less than significant levels; and asserts that a project specific CEQA review is required.

South Environmental has prepared this letter as an assessment of the claims from Dr. Smallwood. This letter includes a response to assertions regarding Section 5.1.4.a and specifically assesses claims made in the letter regarding the potential impacts to special-status species and the adequacy of the proposed mitigation measures in the SCEA.

Site Conditions

The property is located at 1185 W Sunset Boulevard in the Echo Park neighborhood of Los Angeles near Dodger Stadium. The site is within a densely urbanized area with houses, buildings, and roads surrounding the site. There are no undeveloped open spaces near the site. According to historicaerials.com the site was entirely developed as far back as 1952 and remained entirely developed until 2021 when the existing developments were demolished in preparation for the proposed new development. Currently, the site has remnants of the developments including concrete pads, concrete retaining walls, trash and debris, and permitter fencing. Based on photos in the Smallwood letter, and the description within the project arborist report the site has ruderal vegetation and includes several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds that dominate the site. The arborist report found that no protected native trees occur and that seven non-native Mexican fan palm (*Washingtonia robusta*) occur as street trees that would be protected and avoided by the project impacts. The site lacks any wetlands or streams or other water features, it is set in a densely urbanized area with no connectivity to any open space or native habitats, and the lot has been previously developed for decades until recently.

Responses to Public Comments

Dr. Smallwood concludes that the project will adversely affect special-status species through direct habitat loss and these impacts should be analyzed in a project specific CEQA document. Specifically, the letter states that four special-status species (Allen's hummingbird, California gull, Cooper's hawk, and red-tailed hawk) occur on the site based on a single survey and that "the evidence is overwhelming that the project site provides habitat for protected species identified as candidate, sensitive, or species of special status" and presents a table of nearly one hundred species known to occur in the region as an indication of the potential high value to special-status species. The comment suggests that the aerosphere above the project site is considered special-status species habitat.

Response: The Smallwood letter fails to understand that the project site lacks native habitats that would be able to support special status species. The letter also incorrectly assumes that birds observed indicates use of the site and incorrectly labels identified birds as special-status when they are not. CEQA asks if the project would have "a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species" and they have not provided any evidence that the area is habitat for any special-status species. Considering that the project site lacks any substantial coverage of native plants, was recently entirely developed, has heavy disturbances that remain from the past development, and the site is overwhelmingly dominated by invasive plants such as tree-of-heaven, the site is characterized as a disturbed area with ruderal and invasive vegetation and would not be characterized as a native plant community or habitat for special-status species. Special-status species require native habitats to survive, and the site lacks native habitats. Invasive plants and developments heavily degrade and outcompete native plants and result in an area that is not able to support special-status species. The lack of native plants and native habitats indicates that special-status species would not use the site as habitat capable of supporting the life history of any special-status species. Special-status species often avoid areas where humans are found and urbanized areas are not considered habitat for special-status species.

Below is a discussion of the four special-status species Dr. Smallwood indicates in his letter would use the site as habitat.

- California gull (*Larus californicus*) was observed during Ms. Smallwood's survey flying over the site. The California gull is listed on the CDFW Special Animals List as a CDFW Watchlist species and a US Fish and Wildlife Service (USFWS) Bird of Conservation Concern (BCC), but only as a nesting colony. A single gull is not considered special-status and only the nesting colony would hold a special-status. Therefore, a single bird flying over the site does not indicate the area is habitat for this species, and no nesting colony was found on

the site. According to the Cornell University Ornithology Lab website *All About Birds*, California gull nesting colonies would be found on "sparsely vegetated islands and levees in inland lakes and rivers" as well as in salt ponds near San Francisco, and breeding colonies are "usually surrounded by water". There are no lakes, rivers, or other water features on or near the site and there is no potential for California gull nesting colonies to occur on the site or in the aerosphere. Therefore, the project would not impact habitat for nesting colonies of California gull and no impacts to habitat for special-status nesting colonies would occur.

- Allen's hummingbird (*Selasphorus sasin*) was observed perched and being territorial on the site. Allen's hummingbird is not on the CDFW Special Animals List, but is considered a USFWS BCC due to its limited range. There is a subspecies of this bird that is found on the Channel Islands and nearby mainland that is known to occur in coastal forest, scrub, and chaparral habitats but can also be found in disturbed areas. The females tend to nest in areas with cover from eucalyptus trees, which is not found on the site. Disturbed areas are not the typical native habitat of the species, and landscaping and other invasive vegetation is not considered habitat for special-status species because native plant communities are those protected by CEQA. While this species was found on the project site, it is becoming more common in landscaping and urban settings, but landscaping and urban disturbed areas would not be considered protected habitat and the ruderal vegetation on the project site would not be considered high value for this species as there are many areas with landscaping and ruderal species. Ruderal areas and landscaping such as found on the project are not sensitive plant communities that are at risk and the project would not substantially alter or change the availability of ruderal and disturbed areas that this species could use. This species is currently expanding its range into Los Angeles and San Diego and replacing the more abundant Anna's hummingbird due to the ability to inhabitat parks and other landscaped areas such as university campuses. Because the project site does not contain native habitats, nor would it jeopardize the availability of ruderal and invasive plant coverage, the project would not have a substantial impact on habitat for this species according to CEQA. Finally, the aerosphere is not considered habitat for this species.

- Red-tailed hawk (*Buteo jamaicensis*) was observed flying over the site. This species is not on the CDFW Special Animals List and is not considered a special-status species. Dr. Smallwood asserts that this is a Bird of Prey and is therefore has a special status. While the species is protected by the MBTA and Fish and Game code (which protects all birds of prey), the category of bird known as birds of prey is not a designation that indicates special-status. Therefore, the fact that this species was observed flying over the site does

not indicate that the site itself is habitat for special-status species, as this is not a special-status species, and it is not known to use the site in any way.

- Cooper's hawk (*Accipiter cooperii*) was observed flying over the site. Cooper's hawk is a CDFW Watchlist species indicating that it is not a special-status species but could become special-status if habitat is lost and it declines to a level that it is at risk of persisting. Not only was this species not observed using the site in any way other than flying over, but this species is also often found in urban areas as a forager. Typically, this species would nest in forest and woodlands, often associated with riparian areas, but it is also common in suburban areas with tree coverage. Not only is this species not considered special-status but the project would not have a substantial impact on woodlands or forest, and would not have a substantial impact on suburban tree coverage in the area or region and habitat for this species would not be put in jeopardy by the project. Loss of urbanized areas with invasive plants would not be considered a significant impact to habitat for this species according to CEQA thresholds.

It should be noted that the SCEA for the project has incorporated mitigation to avoid impacts to nesting birds and the project would have no impact on nesting birds protected by the MBTA and fish and game code, including those listed above and those identified in Dr. Smallwood's letter. The proposed mitigation in the SCEA is adequate to avoid impacts to these birds identified on the site and no additional mitigation would be necessary to avoid significant impacts. The lack of native habitats and habitat special-status species as assessed above indicates that the project would have a less than significant impact on birds protected by the MBTA and no impact to habitat for special-status species would occur.

Dr. Smallwood continues in the letter to assert that other special-status species could inhabit the site, but they simply were not observed. However, he provides no evidence of this other than the statement that these species are known to occur in the county or within 1.5-miles of the site. Dr. Smallwood ignores the lack of native plant communities and provides no assessment of the degraded habitat on the project site, and simply asserts that the habitat value is high due to the presence of common urban birds. The site lacks habitat for special-status species for the reasons stated above. Urbanized areas dominated by invasive plants are not protected by CEQA because these are not habitat for special-status species. No water occurs on the site and therefore, no waterfowl, fish, amphibians, or bats that require a permanent water source would occur. In fact, the lack of native plant communities indicates that the special-status species that occur in the county would be absent due to lack of habitat. Invasive plant coverage such as the tree of heaven on the site is indicative of an area that is more likely to contribute to the spread of invasive species to the detriment of native habitats that special status wildlife would be found in. An assertion that special-status species known to occur in native habitats near the site indicates that

they would also occur on the site is false and is not based on any analysis of the habitat requirements of these species.

Dr. Smallwood questions the sufficiency of the mitigation measures for the protection of potential bats on the project site, stating that since no survey was conducted for the presence of bats that construction monitoring would be implemented too late to protect bats. No detection survey is required in this case due to the lack of sufficient habitat for bats or a bat roost. Bats require sufficient foraging area and a permanent water source to support a roost. Bats are also averse to human activity and will avoid it when possible. The project site lacks a permanent water source, and the surrounding urbanization makes the area unattractive for foraging due to increased human activity. Due to this lack of habitat or wider foraging space within the surrounding area, no detection survey for bats is called for. Any bats that would occur on the project site would likely be stopping over or flying through, in which case a detection survey conducted long before construction began would be entirely ineffective. The mitigation measures already included in the SCEA are sufficient to protect any bats onsite from significant impact.

Additionally, Dr. Smallwood presents a method for determining a total number of expected species on the site, concluding based on the 30 species observed at the site over a 2.82-hour period that a total of 81 species are likely to occur there. This method is based on data from the Altamont Pass Wind Resource Area, where Dr. Smallwood conducted a study over 167 km^2 of annual grasslands. As this study was conducted approximately 326 miles away from the project site and occurred in a very large area of annual grasslands instead of an urban environment it holds little relevance to the expected species at the project site. This methodology does not consider the habitat conditions on the site and within the region and cannot be used to make claims about potential special-status species that may occur.

Dr. Smallwood indicates that numerous other birds would occur on the site, many of which are not special status despite his assertion that they are. Birds of prey are not special-status species and are not on the CDFW Special Animals List. The birds Dr. Smallwood states would be impacted by the project would be avoided by the implementation of the proposed nesting bird surveys and avoidance measures already included in the SCEA. The lack of native habitats indicates that the project does not pose a significant risk to habitat for special status species because they require native habitats and are not found in areas dominated by invasive plants. Therefore, the SCEA findings that the project would not impact special-status species or their habitat is correct. The proposed mitigation is suitable and adequate to avoid impacts to any nesting birds on the site and no additional analysis is necessary to draw that conclusion.

Dr. Smallwood concludes that the project will adversely affect special-status species through window collisions due to extensive glazing. Dr. Smallwood predicts that the project will cause 760 bird deaths annually due to window collisions alone. Dr. Smallwood proposes several mitigation measures that could reduce the project's impact to special-status species, including the use of bird-safe glass. He asserts that these impacts and mitigation should be analyzed in a project specific CEQA document.

Response: The impact of tall building collisional bird deaths is a known concern of buildings in general. One study on collisional deaths at a low-rise building in Chicago found that collisions had a positive relationship with the percentage of lit area of the building and mostly impacted songbirds.[1] This analysis also found that colliding birds were attracted to specific light sources and were not simply disoriented by overall city sky glow, and therefore, a single buildings lighting effects would be diminished when set within an already lit area such as the project site. The proposed project, like all buildings, will result in some level of collisional bird deaths. However, the project site is in a densely urbanized area with tall buildings, and songbirds would not be expected to be particularly attracted to the project given the existing conditions. Further, these sporadic deaths will not endanger the urban songbird population as the area is already well lit and no native habitat or bird nesting habitat occurs on or near the project site. Special-status species would not be attracted to the site nor would they be migrating at a low elevation over the site as there are no native habitats within many miles of the site, only dense urban development occurs in all directions indicating that special-status species would avoid the project site and surrounding areas. These minimal bird collision deaths would be at such a low rate as to not alter the trajectory of bird populations beyond the existing conditions and would therefore not be significant according to CEQA.

Additionally, studies find that glass that reflects vegetation is more likely to cause bird strikes due to the perceived open space and foraging area that the glass reflects.[2] Therefore, buildings with extensive landscaping may be more likely to cause bird strikes than those with sparse landscaping. The current building plans for the project show landscaping comprised of several street trees and low-lying shrubs, which is not particularly dense for the area. The Elysian Apartments, a mere 250 feet away from the project site possesses both floor to ceiling windows and extensive amounts of greenery around the approximately 125-foot-tall building. With the current project plans for landscaping the amount of bird strikes are unlikely to be significantly higher than other buildings in the area and do not pose a threat to the local bird populations.

[1] Van Doren, B.M., et al. (2021), Drivers of fatal bird collisions in an urban center. *Proceedings of the National Academy of Sciences USA* **118**.

[2] Klem, D. Jr., C. J. Farmer, N. Delacretaz, Y. Gelb and P.G. Saenger. (2009), Architectural and Landscape Risk Factors Associated with Bird-Glass Collisions in an Urban Environment. *Wilson Journal of Ornithology* 121(1): 126-134

While, surrounding vegetation is a contributing factor to bird strike deaths, the habitat immediately surrounding the building is also a great contributor. Birds are attracted to vegetation and resources that they use for foraging, perching, and nesting. As the surrounding area of the project site is completely urbanized it is already less attractive for birds that would be flying through in search of resources.

Finally, the proposed mitigation measures to reduce bird strikes are not necessary because the potential impacts from bird collisions is already a less than significant impact. The proposed nesting bird surveys and nest avoidance would result in no impacts to nesting birds protected by the MBTA and Fish and Game Code and no additional mitigation measures are required to reduce the potential impacts as they would be less than significant. Special-status species avoid urbanized areas and use native plant communities not found on the project site. Therefore, the building would not pose a substantial risk of strikes to special-status species because they are not attracted to the site and would be migrating to and from areas of native habitats far outside of the dense urban areas of the project site.

Dr. Smallwood's letter states that the impacts of habitat loss are not analyzed by City of Los Angeles (2024), because the City concluded without evidence that the site does not support wildlife. However, wildlife *do* occur on the site because the site provides habitat. It is my opinion that the impacts of habitat loss would be significant. A fair argument can be made for the need to prepare and EIR to appropriately analyze the impacts of habitat loss and to formulate appropriate mitigation measures.

Response: The statement from Dr. Smallwood does not consider the CEQA thresholds as the basis for environmental assessment. The SCEA does not conclude that the site does not support wildlife as it recognizes the potential for nesting birds to occur there and then proposes mitigation to avoid impacts according to the requirements of the MBTA and Fish and Game Code. In addition, CEQA thresholds of significance regarding wildlife habitat are as follows: Does the project have "a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species". CEQA does not ask if habitat for any wildlife would be affected, but only if the project has a substantial affect on habitat for special-status species. As described previously the site lacks native habitats. Considering that the project site lacks any substantial coverage of native plants, was recently entirely developed and has heavy disturbances that remain from the past development, and the site is overwhelmingly dominated by invasive plants such as tree-of-heaven, the site is characterized as a disturbed area with ruderal and invasive vegetation and would not be characterized as a native plant community or habitat for special-status species. Special-status species require native habitats to survive, and the site lacks native habitats. Invasive plants and developments heavily degrade and outcompete native plants and result in an area that is not able to support special-status species. CEQA or the

SCEA would not consider the impacts to invasive plants to be considered a significant environmental impact.

The comment letter states that the SCEA (page 5-71) claims that adherence to its mitigation requirements "would ensure that the Project would not interfere substantially with the movement of any native resident or migratory … wildlife species…" However, the insertion of a long reach of 85-91-foot-tall glass-fronted buildings onto existing stopover and fly-through habitat would most certainly interfere with wildlife movement. Not only would the buildings present birds, bats and butterflies with substantial barriers to volant movement, but interior lighting would escape the large-panel windows, which would distract many avian nocturnal migrants, and which would increase bird collision risk. Depictions of the buildings appear to highlight the project's emissions of interior light. The project would interfere with wildlife movement while also introducing considerable bird-window collision risk.

Response: Migrating birds regularly fly at altitudes of several thousand feet. At this vertical distance the building poses no risk to migrating birds and light from the proposed project will have degraded to negligible amounts due to the angle of the light and extreme distance. Therefore, it is unlikely that the proposed project will alter bird migration patterns over the already urbanized landscape. In addition, the assertion that the project site is within a significant wildlife movement area is not correct. This area of Los Angeles is densely urbanized and has numerous large buildings. The nearest substantial open space would be within Griffith Park approximately 3-miles from the project site. The areas between the project site and Griffith Park are densely urbanized. The site is surrounded by urbanization in all directions and has no direct or indirect connection to habitat areas and provides no linkage opportunities or opportunities for wildlife to move through the urbanized area. There are no significant migratory stopover locations on the site or in the surrounding areas, and following the project development there would be no reason for migrating birds to attempt to stop anywhere near the site. Migrating wildlife would not be found at the site due to urbanization and wildlife would typically avoid this area due to the potential hazards from cars and people. Therefore, the project would not create any barriers or deterrents to migrating or moving wildlife. The area is already well lit and entirely developed and light would not spill onto any open space or native habitats. The project would have no interference with wildlife movement as the area lacks movement corridors and dense urban development is not considered a wildlife movement corridor.

Conclusion

The project site is a disturbed area characterized by invasive plant cover such as tree of heaven. The site lacks native plant communities and has no habitat for special-status species. Not only is

Dr. Smallwood incorrect about the status of the species observed on the site, he provides no evidence that the site has any of the characteristics of habitat that special-status species would find significant or useable. Birds flying over the site do not indicate use. Red-tailed hawk is not a special-status species, California gull does not use the site and only its nesting colonies are considered special-status, and these have no potential to occur at the site. Cooper's hawk is a Watchlist species and is therefore not considered special-status, Allen's hummingbird is often found in areas with disturbance, but CEQA does not consider invasive plants and urban landscaping to be significant habitat for special-status species. The project is not within a wildlife movement area or habitat linkage and is in one of the most densely urbanized areas in California. The proposed SCEA mitigation for nesting birds is adequate to avoid impacts to nesting birds protected by the MBTA and the Fish and Game Code (including red-tailed hawk, California gull, Cooper's hawk, and Allens's hummingbird), and no other potential impacts to biological resources would be anticipated due to the lack of sensitive resources and prevalence of disturbance, development, and invasive species. No additional mitigation measures would be necessary as no potential impacts as they pertain to the SCEA and CEQA thresholds are expected to occur.

If you have any questions regarding the information in this report, please contact Matthew South by email: msouth@southenvironmental.com or by mobile phone: 303-818-3632.

Sincerely,

Matthew R. South
Principal Biologist

List of Attachments

1. **Attachment A**. Section 5 – Evaluation of Environmental Impacts of the SCEA submitted by the City of Los Angeles
2. **Attachment B**. Smallwood Letter
3. **Attachment C**. Protected Tree Arborist Report
4. **Attachment D**. South Environmental Biologist's Resumes

Attachment A:

Section 5 – Evaluation of Environmental Impacts of the SCEA submitted by the City of Los Angeles

1.4 Biological Resources

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
Would the project:					
a.	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b.	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
c.	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d.	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e.	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f.	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

This section is based on the following item, which is included as **Appendix C** to this SCEA:

C Protected Tree Report, JTL Consultants, August 31, 2023

SCAG 2020–2045 RTP/SCS PEIR Mitigation Measures

PMM BIO-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to threatened and endangered species, as

applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Require project design to avoid occupied habitat, potentially suitable habitat, and designated critical habitat, wherever practicable and feasible.

b) Where avoidance is determined to be infeasible, provide conservation measures to fulfill the requirements of the applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal ESA, Section 2081 of the California ESA to support issuance of an incidental take permit, and/or as identified in local or regional plans. Conservation strategies to protect the survival and recovery of federally and state-listed endangered and local special status species may include: i. Impact minimization strategies ii. Contribution of in-lieu fees for in-kind conservation and mitigation efforts iii. Use of in-kind mitigation bank credits iv. Funding of research and recovery efforts v. Habitat restoration vi. Establishment of conservation easements vii. Permanent dedication of in-kind habitat.

c) Design projects to avoid desert native plants protected under the California Desert Native Plants Act, salvage and relocate desert native plants, and/or pay in lieu fees to support off-site long-term conservation strategies.

d) Temporary access roads and staging areas will not be located within areas containing sensitive plants, wildlife species or native habitat wherever feasible, so as to avoid or minimize impacts to these species.

e) Develop and implement a Worker Environmental Awareness Program (environmental education) to inform project workers of their responsibilities to avoid and minimize impacts on sensitive biological resources.

f) Retain a qualified botanist to document the presence or absence of special status plants before project implementation.

g) Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

h) Appoint a qualified biologist to monitor implementation of mitigation measures.

i) Schedule construction activities to avoid sensitive times for biological resources (e.g. steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

j) Develop an invasive species control plan associated with project construction.

k) If construction occurs during breeding seasons in or adjacent to suitable habitat, include appropriate sound attenuation measures required for sensitive avian species and other best management practices appropriate for potential local sensitive wildlife.

l) Conduct pre-construction surveys to delineate occupied sensitive species' habitat to facilitate avoidance.

m) Where projects are determined to be within suitable habitat and may impact listed or sensitive species that have specific field survey protocols or guidelines outlined by the USFWS, CDFW, or other local agency, conduct preconstruction surveys that follow applicable protocols and guidelines and are conducted by qualified and/or certified personnel.

n) Project design should address the protection of habitat on both sides of a freeway to improve effectiveness of the crossings.

o) Project sponsors shall consider the impacts of nitrogen deposition on sensitive species

Applicability to the Project

As discussed below, the Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment, and therefore no known occupied habitat, potentially suitable habitat, or designated critical habitat exists on the Project Site or in the surrounding area.

There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard. The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[30]

The Project would result in the removal of existing trees from the Project Site as well as construction in close proximity to the existing street trees, where migratory birds and other species (e.g., bats) could potentially nest or roost. Accordingly, as discussed below in connection with **PMM BIO-4** and in conformance with the regulatory requirements of the Migratory Bird Treaty Act and California Fish and Game Code, the Project would implement Project-specific mitigation measure **MM-BIO-1** which would ensure that potential construction-related impacts on nesting birds would not occur. In addition, the Project would incorporate relevant measures from SCAG Mitigation Measure **PMM BIO-1** (specifically, **PMM BIO-1(g)** and **PMM BIO-1(i)**) that would be applicable to non-avian protected species (e.g., bats), and would ensure that potential impacts to such species would be reduced to less than significant levels. The remainder of the measures

30 Protected Tree Report, JTL Consultants, August 31, 2023.

included in **PMM BIO-1** are not applicable to the Project due to the lack of other potential habitat on or in the vicinity of the Project Site.

PMM BIO-2: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to riparian habitats and other sensitive natural communities, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the USFWS and NMFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA.

b) Consult with the USFS where such state-designated sensitive or riparian habitats provide potential or occupied habitat for federally listed rare, threatened, and endangered species afforded protection pursuant to the federal ESA and any additional species afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-county area: Angeles, Cleveland, Los Padres, and San Bernardino.

c) Consult with the CDFW where such state-designated sensitive or riparian habitats provide potential or occupied habitat for state-listed rare, threatened, and endangered species afforded protection pursuant to the California ESA, or Fully Protected Species afforded protection pursuant to the State Fish and Game Code.

d) Consult with the CDFW pursuant to the provisions of Section 1600 of the State Fish and Game Code as they relate to Lakes and Streambeds.

e) Consult with the USFWS, USFS, CDFW, and counties and cities in the SCAG region, where state-designated sensitive or riparian habitats are occupied by birds afforded protection pursuant to the MBTA during the breeding season.

f) Consult with the CDFW for state-designated sensitive or riparian habitats where furbearing mammals, afforded protection pursuant to the provisions of the State Fish and Game Code for fur-beaming mammals, are actively using the areas in conjunction with breeding activities.

g) Require project design to avoid sensitive natural communities and riparian habitats, wherever practicable and feasible. Where practicable and feasible, require upland buffers that sufficiently minimize impacts to riparian corridors.

h) Where avoidance is determined to be infeasible, develop sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) to protect sensitive natural communities and riparian habitats and develop appropriate compensatory mitigation, where required.

i) Appoint a qualified wetland biologist to monitor construction activities that may occur in or adjacent to sensitive communities.

j) Appoint a qualified wetland biologist to monitor implementation of mitigation measures.

k) Schedule construction activities to avoid sensitive times for biological resources and to avoid the rainy season when erosion and sediment transport is increased.

l) When construction activities require stream crossings, schedule work during dry conditions and use rubber-wheeled vehicles, when feasible. Have a qualified wetland scientist determine if potential project impacts require a Notification of Lake or Streambed Alteration to CDFW during the planning phase of projects.

m) Consult with local agencies, jurisdictions, and landowners where such state-designated sensitive or riparian habitats are afforded protection pursuant an adopted regional conservation plan.

n) Install fencing and/or mark sensitive habitat to be avoided during construction activities.

o) Salvage and stockpile topsoil (the surface material from 6 to 12 inches deep) and perennial native plants, when recommended by the qualified wetland biologist, for use in restoring native vegetation to areas of temporary disturbance within the project area. Salvage of soils containing invasive species, seeds and/or rhizomes will be avoided as identified by the qualified wetland biologist.

p) Revegetate with appropriate native vegetation following the completion of construction activities, as identified by the qualified wetland biologist

q) Complete habitat enhancement (e.g., through removal of non-native invasive wetland species and replacement with more ecologically valuable native species).

r) Use Best Management Practices (BMPs) at construction sites to minimize erosion and sediment transport from the area. BMPs include encouraging growth of native vegetation in disturbed areas, using straw bales or other silt-catching devices, and using settling basins to minimize soil transport.

Applicability to the Project

As discussed below, no riparian or other sensitive natural community exists on the Project Site or in the surrounding area. Therefore, **PMM BIO-2** is not applicable to the Project.

PMM BIO-3: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wetlands, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency.

a) Require project design to avoid federally protected aquatic resources consistent with the provisions of Sections 404 and 401 of the CWA, wherever practicable and feasible.

b) Where the lead agency has identified that a project, or other regionally significant project, has the potential to impact other wetlands or waters, such as those considered Waters Of the State of California under the State Wetland Definition and Procedures for Dischargers of Dredged or Fill Material to Waters of the State, not protected under Section 404 or 401 of the CWA, seek comparable coverage for these wetlands and waters in consultation with the SWRCB, applicable RWQCB, and CDFW.

c) Where avoidance is determined to be infeasible, develop sufficient conservation measures to fulfill the requirements of the applicable authorization for impacts to federal and state protected aquatic resource to support issuance of a permit under Section 404 of the CWA as administered by the USACE. The use of an authorized Nationwide Permit or issuance of an individual permit requires the project applicant to demonstrate compliance with the USACE's Final Compensatory Mitigation Rule. The USACE reviews projects to ensure environmental impacts to aquatic resources are avoided or minimized as much as possible. Consistent with the administration's performance standard of "no net loss of wetlands" a USACE permit may require a project proponent to restore, establish, enhance or preserve other aquatic resources in order to replace those affected by the proposed project. This compensatory mitigation process seeks to replace the loss of existing aquatic resource functions and area. Project proponents required to complete mitigation are encouraged to use a watershed approach and watershed planning information. The new rule establishes performance standards, sets timeframes for decision making, and to the extent possible, establishes equivalent requirements and standards for the three sources of compensatory mitigation:

- Permittee-responsible mitigation

- Contribution of in-kind in-lieu fees
- Use of in-kind mitigation bank credits
- Where avoidance is determined to be infeasible and

d) Where avoidance is determined to be infeasible and proposed projects' impacts exceed an existing Nationwide Permit (NWP) and/or California SWRCB-certified NWP, or applicable County Special Area Management Plan (SAMP), the lead agency should provide USACE and SWRCB (where applicable) an alternative analysis consistent with the Least Environmentally Damaging Practicable Alternatives in this order of priorities:

- Avoidance
- Impact Minimization On-site alternatives
- On-site alternatives
- Off-site alternatives

e) Require review of construction drawings by a certified wetland delineator as part of each project-specific environmental analysis to determine whether aquatic resources will be affected and, if necessary, perform formal wetland delineation.

Applicability to the Project

As analyzed below, no water bodies or state and federally protected wetlands exist on the Project Site. Therefore, the measures included in **PMM BIO-3** are not applicable to the Project.

PMM BIO-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wildlife movement, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the USFS where impacts to migratory wildlife corridors may occur in an area afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-County area: Angeles, Cleveland, Los Padres, and San Bernardino.

b) Consult with counties, cities, and other local organizations when impacts may occur to open space areas that have been designated as important for wildlife movement related to local ordinances or conservation plans.

- Contribution of in-kind in-lieu fees
- Use of in-kind mitigation bank credits
- Where avoidance is determined to be infeasible and

d) Where avoidance is determined to be infeasible and proposed projects' impacts exceed an existing Nationwide Permit (NWP) and/or California SWRCB-certified NWP, or applicable County Special Area Management Plan (SAMP), the lead agency should provide USACE and SWRCB (where applicable) an alternative analysis consistent with the Least Environmentally Damaging Practicable Alternatives in this order of priorities:

- Avoidance
- Impact Minimization On-site alternatives
- On-site alternatives
- Off-site alternatives

e) Require review of construction drawings by a certified wetland delineator as part of each project-specific environmental analysis to determine whether aquatic resources will be affected and, if necessary, perform formal wetland delineation.

Applicability to the Project

As analyzed below, no water bodies or state and federally protected wetlands exist on the Project Site. Therefore, the measures included in **PMM BIO-3** are not applicable to the Project.

PMM BIO-4: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to wildlife movement, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the USFS where impacts to migratory wildlife corridors may occur in an area afforded protection by an adopted Forest Land Management Plan or Resource Management Plan for the four national forests in the six-County area: Angeles, Cleveland, Los Padres, and San Bernardino.

b) Consult with counties, cities, and other local organizations when impacts may occur to open space areas that have been designated as important for wildlife movement related to local ordinances or conservation plans.

c) Prohibit construction activities within 500 feet of occupied breeding areas for wildlife afforded protection pursuant to Title 14 § 460 of the California Code of Regulations protecting fur-bearing mammals, during the breeding season.

d) Conduct a survey to identify active raptor and other migratory nongame bird nests by a qualified biologist at least two weeks before the start of construction at project sites from February 1 through August 31.

e) Prohibit construction activities with 300 feet of occupied nest of birds afforded protection pursuant to the Migratory Bird Treaty Act, during the breeding season.

f) Ensure that suitable nesting sites for migratory nongame native bird species protected under the Migratory Bird Treaty Act and/or trees with unoccupied raptor nests should only be removed prior to February 1, or following the nesting season.

g) When feasible and practicable, proposed projects will be designed to minimize impacts to wildlife movement and habitat connectivity and preserve existing and functional wildlife corridors.

h) Conduct site-specific analyses of opportunities to preserve or improve habitat linkages with areas on and off-site.

i) Long linear projects with the possibility of impacting wildlife movement should analyze habitat linkages/wildlife movement corridors on a broad scale to avoid critical narrow choke points that could reduce function of recognized movement corridor.

j) Require review of construction drawings and habitat connectivity mapping by a qualified biologist to determine the risk of habitat fragmentation.

k) Pursue mitigation banking to preserve habitat linkages and corridors (opportunities to purchase, maintain, and/or restore off-site habitat).

l) When practicable and feasible design projects to promote wildlife corridor redundancy by including multiple connections between habitat patches.

m) Evaluate the potential for installation of overpasses, underpasses, and culverts to create wildlife crossings in cases where a roadway or other transportation project may interrupt the flow of species through their habitat. Retrofitting of existing infrastructure in project areas should also be considered for wildlife crossings for purposes of mitigation.

n) Install wildlife fencing where appropriate to minimize the probability of wildlife injury due to direct interaction between wildlife and roads or construction.

o) Where avoidance is determined to be infeasible, design sufficient conservation measures through coordination with local agencies and the regulatory agency (i.e., USFWS or CDFW) and in accordance with the respective counties and cities general plans to establish plans to mitigate for the loss of fish and wildlife movement corridors and/or wildlife nursery sites. The consideration of conservation measures may include the following measures, in addition to the measures outlined in MM-BIO-1(b), where applicable:

- Wildlife movement buffer zones
- Corridor realignment
- Appropriately spaced breaks in center barriers
- Stream rerouting
- Culverts
- Creation of artificial movement corridors such as freeway under or overpasses
- Other comparable measures

p) Where the lead agency has identified that a RTP/SCS project, or other regionally significant project, has the potential to impact other open space or nursery site areas, seek comparable coverage for these areas in consultation with the USFWS, CDFW, NMFS, or other local jurisdictions.

q) Incorporate applicable and appropriate guidance (e.g. FHWA-HEP-16-059), as well as best management practices, to benefit pollinators with a focus on native plants.

r) Implement berms and sound/sight barriers at all wildlife crossings to encourage wildlife to utilize crossings. Sound and lighting should also be minimized in developed areas, particularly those that are adjacent to or go through natural habitats.

s) Reduce lighting impacts on sensitive species through implementation of mitigation measures such as, but not limited to:

- Use high pressure sodium and/or cut-off fixtures instead of typical mercury-vapor fixtures for outdoor lighting.

- Design exterior lighting to confine illumination to the project site
- Provide structural and/or vegetative screening from light-sensitive uses.
- Use non-reflective glass or glass treated with a non-reflective coating for all exterior windows and glass used on building surfaces.
- Architectural lighting shall be directed onto the building surfaces and have low reflectivity to minimize glare and limit light onto adjacent properties.

t) Reduce noise impacts to sensitive species through implementation of mitigation measures such as, but not limited to:

- Install temporary noise barriers during construction.
- Include permanent noise barriers and sound-attenuating features as part of the project design. Barriers could be in the form of outdoor barriers, sound walls, buildings, or earth berms to attenuate noise at adjacent sensitive uses.
- Ensure that construction equipment are properly maintained per manufacturers' specifications and fitted with the best available noise suppression devices (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds silencers, wraps). All intake and exhaust ports on power equipment shall be muffled or shielded.
- Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.
- Use hydraulically or electrically powered tools (e.g., jack hammers, pavement breakers, and rock drills) for project construction to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust

should be used; this muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves should be used, if such jackets are commercially available, and this could achieve a further reduction of 5 dBA. Quieter procedures should be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.

- Using rubberized asphalt or "quiet pavement" to reduce road noise for new roadway segments, roadways in which widening or other modifications require re-pavement, or normal reconstruction of roadways where re-pavement is planned.

- Use equipment and trucks with the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures, and acoustically attenuating shields or shrouds, wherever feasible) for project construction.

- Use techniques such as grade separation, buffer zones, landscaped berms, dense plantings, sound walls, reduced-noise paving materials, and traffic calming measures.

u) Require large buffers between sensitive uses and freeways.

v) Create corridor redundancy to help retain functional connectivity and resilience.

Applicability to the Project

As discussed above, consistent with **PMM BIO-4(e)** and **PMM BIO-4(f)** from the 2020–2045 RTP/SCS PEIR, the Project would implement the Project-specific mitigation measure **MM-BIO-1** to ensure that potential construction-related impacts on nesting birds would not occur, in compliance with the Migratory Bird Treaty Act and California Fish and Game Code. Due to the lack of habitat, habitat linkages, or wildlife corridors on or in the vicinity of the Project Site, the remainder of the measures identified under **PMM BIO-4** are not applicable to the Project.

PMM BIO-5: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce conflicts with local policies and ordinances protecting biological resources, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the appropriate local agency responsible for the administration of the policy or ordinance protecting biological resources.

b) Prioritize retention of trees on-site consistent with local regulations. Provide adequate protection during the construction period for any trees that are to remain standing, as recommended by an International Society of Arboriculture (ISA) certified arborist.

c) If specific project area trees are designated as “Protected Trees,” “Landmark Trees,” or “Heritage Trees,” obtain approval for encroachment or removals through the appropriate entity, and develop appropriate mitigation measures at that time, to ensure that the trees are replaced. Mitigation trees shall be locally collected native species, as directed by a qualified biologist.

d) Appoint an ISA certified arborist to monitor construction activities that may occur in areas with trees are designated as “Protected Trees,” “Landmark Trees,” or “Heritage Trees,” to facilitate avoidance of resources not permitted for impact. Before the start of any clearing, excavation, construction or other work on the site, securely fence off every protected tree deemed to be potentially endangered by said site work. Keep such fences in place for duration of all such work. Clearly mark all trees to be removed.

e) Establish a scheme for the removal and disposal of logs, brush, earth and other debris that will avoid injury to any protected tree. Where proposed development or other site work could encroach upon the protected perimeter of any protected tree, incorporate special measures to allow the roots to breathe and obtain water and nutrients. Minimize any excavation, cutting, filing, or compaction of the existing ground surface within the protected perimeter. Require that no change in existing ground level occur from the base of any protected tree at any time. Require that no burning or use of equipment with an open flame occur near or within the protected perimeter of any protected tree.

f) Require that no storage or dumping of oil, gas, chemicals, or other substances that may be harmful to trees occur from the base of any protected trees, or any other location on the site from which such substances might enter the protected perimeter. Require that no heavy construction equipment or construction materials be operated or stored within a distance from the base of any protected trees. Require that wires, ropes, or other devices not be attached to any protected tree, except as needed for support of the tree. Require that no sign, other than a tag showing the botanical classification, be attached to any protected tree.

g) Thoroughly spray the leaves of protected trees with water periodically during construction to prevent buildup of dust and other pollution that would inhibit leaf transpiration, as directed by the certified arborist.

h) If any damage to a protected tree should occur during or as a result of work on the site, the appropriate local agency will be immediately notified of such damage. If, such tree cannot be preserved in a healthy state, as determined by the certified arborist, require replacement of any tree removed with another tree or trees on the same site deemed adequate by the local agency to compensate for the loss of the tree that is removed. Remove all debris created as a result of any tree removal work from the property within two weeks of debris creation, and such debris shall be properly disposed of in accordance with all applicable laws, ordinances, and regulations. Design projects to avoid conflicts with local policies and ordinances protecting biological resources

i) Where avoidance is determined to be infeasible, sufficient conservation measures to fulfill the requirements of the applicable policy or ordinance shall be developed, such as to support issuance of a tree removal permit. The consideration of conservation measures may include:

- Avoidance strategies
- Contribution of in-lieu fees
- Planting of replacement trees
- Re-landscaping areas with native vegetation post-construction
- Other comparable measures developed in consultation with local agency and certified arborist.

Applicability to the Project

As analyzed below, the Project would not conflict with any local policies or ordinances protecting biological resources. Furthermore, while the existing street trees adjacent to the Site are not a protected tree or shrub species, **Project Design Feature PDF-BIO-1** has been incorporated to identify the specific protections for these trees that will be implemented during Project construction activities. Thus, **PMM BIO-5** is not applicable to the Project.

PMM BIO-6: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects on HCPs and NCCPs, as applicable and feasible. Such measures may include the following or other comparable measures identified by the Lead Agency:

a) Consult with the appropriate federal, state, and/or local agency responsible for the administration of HCPs or NCCPs.

b) Wherever practicable and feasible, the project shall be designed to avoid lands preserved under the conditions of an HCP or NCCP.

c) Where avoidance is determined to be infeasible, sufficient conservation measures to fulfill the requirements of the HCP and/or NCCP, which would include but not be limited to applicable authorization for incidental take pursuant to Section 7 or 10(a) of the federal Endangered Species Act or Section 2081 of the California ESA, shall be developed to support issuance of an incidental take permit or any other permissions required for development within the HCP/NCCP boundaries. The consideration of additional conservation measures would include the measures outlined in SMM-BIO-2, where applicable.

Applicability to the Project

No Habitat Conservation Plan, Natural Community Conservation Plan, or other approved habitat conservation plans apply to the Project Site. Thus, **PMM BIO-6** is not applicable to the Project.

Impact Analysis

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less Than Significant With Mitigation Incorporated. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[31] The tree-of heaven trees onsite are generally considered an invasive plant, rather than trees. These will be removed to accommodate the proposed buildings, and the Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[32]

There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard. The seven Mexican fan palms on the Sunset Boulevard sidewalk will be protected during the development project by installing tree protection fencing around the trees, and the Project arborist will be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures.[33] These protective measures are identified by **Project Design Feature PDF-BIO-1** which has been incorporated into the Project:

31 Protected Tree Report, JTL Consultants, August 31, 2023.

32 Plans, KTGY Architecture and Planning, February 6, 2024.

33 Protected Tree Report, JTL Consultants, August 31, 2023.

Project Design Feature

PDF-BIO-1: Street Tree Protection

The Project Applicant/contractor shall install tree protection fencing around the seven Mexican fan palms on Sunset Boulevard to be protected. The Project Arborist shall be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures. The fencing shall be maintained throughout the grading and construction phase, and shall not be removed until the completion and cessation of all construction activities.

Migratory Birds

Due to the urbanized and disturbed nature of the Project Site and the surrounding areas, and lack of large expanses of open space areas, species likely to occur on-site are limited to small terrestrial and avian species typically found in urbanized developed settings. However, birds protected by the Migratory Bird Treaty Act may nest within the trees that would be removed as part of the Project.

The Migratory Bird Treaty Act prohibits the take, possession, import, export, transport, sell, purchase, barter, or offer for sale, purchase, or barter, of any migratory bird, or the parts, nests, or eggs of such a bird except under the terms of a valid permit issued pursuant to federal regulations. Additionally, California Fish & Game Code Section 3503 states that "[i]t is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto."

Consistent with the relevant measures associated with the Migratory Bird Treaty Act identified under **PMM-BIO-4**, the Project would implement **Mitigation Measure MM-BIO-1** to ensure potential construction-related impacts on nesting birds would not occur:

Mitigation Measure

MM-BIO-1: The Project Applicant/contractor would conduct all demolition, construction, ground disturbance, and vegetation clearing activities, including removal of the existing trees, outside of the avian breeding and nesting season (February 1–August 31) to the extent feasible.

- If removal of the existing trees on and adjacent to the Project Site must occur during the nesting season, a qualified biologist is required to be present during the removal activities to ensure no active bird nests (those containing eggs or nestlings, or with juvenile birds still dependent on the nest) are impacted. The biologist must determine whether active nests are present within the trees before any actual removal activity takes place.

- If any active nests are present within the trees during demolition, construction, ground disturbance, and vegetation clearing activities, the

nests shall be avoided until determined by the biologist to no longer be active. The biologist shall determine appropriate avoidance buffers for any active nest based on species, nest location, and types of disturbance proposed in the vicinity of the nest.

Bats

In addition to species covered under the Migratory Bird Treaty Act and the California Fish and Game Code, construction activities, including ground disturbance, vegetation removal, and increased noise and light levels, could have direct and/or indirect impacts on small terrestrial and avian species typically found in developed settings, such as bats, which sometimes use trees and man-made structures for roosting. Bats are considered non-game mammals and are afforded protection by State law from take and/or harassment. Specifically, Title 14, Section 251.1 of the California Code of Regulations, prohibits harassment (defined in that section as an intentional act that disrupts an animal's normal behavior patterns, including breeding, feeding, or sheltering) of nongame mammals, and California Fish and Game Code Section 4150, prohibits "take" or possession of all nongame mammals or parts thereof.

Any activities resulting in bat mortality, such as the destruction of an occupied bat roost that results in the death of bats; or disturbance that causes the loss of a maternity colony of bats, which may also result in the death of young bats; or various modes of nonlethal pursuit or capture may be considered "take" as defined in Section 86 of the California Fish and Game Code. While none have been identified on the Project Site, it is possible that bats or bat roosts are present in on-site trees or in building cavities. Thus, construction activities could have a significant impact on bats, which are a protected species.

As discussed above, the 2020–2045 RTP/SCS PEIR MMRP contains mitigation measures that are to be implemented, as appropriate and feasible, if a lead agency determines that a project has the potential to result in significant environmental impacts pertaining to biological resources. These include **PMM BIO-1**, listed in detail above, which identifies measures to reduce substantial adverse effects related to threatened and endangered species and other special status species. As discussed above, **Mitigation Measure MM-BIO-1** will be implemented to address potential construction-related impacts to avian species in proximity to the Site. The Project would also incorporate the following mitigation measures from the 2020–2045 RTP/SCS PEIR MMRP to address potential impacts to non-avian protected species (e.g., bats):

RTP/SCS Mitigation Measures

PMM BIO-1(g): Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

PMM BIO-1(i): Schedule construction activities to avoid sensitive times for biological resources (e.g., steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

Implementation of **Mitigation Measure MM-BIO-1** as well as **PMM BIO-1(g)** and **PMM BIO-1(i)** from the 2020–2045 RTP/SCS PEIR MMRP outlined above, would ensure that the Project would not have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the CDFW or USFWS. Thus, impacts would be less than significant with incorporation of mitigation measures.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less Than Significant Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

The Project Site is surrounded by a mix of low to mid-rise commercial and residential uses. No riparian or other sensitive natural community exists on the Project Site or in the surrounding area.[34,35]

Furthermore, the Project Site and surroundings are not located in or adjacent to a Biological Resource Area or Significant Ecological Area as defined by the City or County.[36,37]

In addition, there are no other sensitive natural communities identified by the CDFW or the USFWS.[38,39,]

Therefore, the Project would not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service and impacts would be less than significant.

34 California Department of Fish and Wildlife, Biogeographic Information and Observation System (BIOS) 6 website: https://wildlife.ca.gov/Data/BIOS.gov/bios/, accessed August 30, 2023.

35 United States Fish and Wildlife Service, National Wetlands Inventory (NWI), www.fws.gov/wetlands/data/Mapper.html, accessed August 30, 2023.

36 City of Los Angeles, Department of City Planning, Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, January 19, 1995, p. 2-18-3, and Navigate LA, Significant Ecological Areas layer: http://navigatela.lacity.org/navigatela/, accessed August 30, 2023.

37 Los Angeles County, Los Angeles County General Plan, Figure 9.3 Significant Ecological Areas and Coastal Resource Areas Policy Map, October 6, 2015: https://planning.lacounty.gov/long-range-planning/general-plan/general-plan/, accessed August 30, 2023.

38 California Department of Fish and Wildlife, BIOS 6 website: https://wildlife.ca.gov/Data/BIOS.gov/bios/, accessed August 30, 2023.

39 California Department of Fish and Wildlife, CDFW Lands Viewer: website: https://wildlife.ca.gov/Lands/Viewer, accessed August 30, 2023.

c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less Than Significant Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

No water bodies or state and federally protected wetlands exist on the Project Site.,[40] The closest water feature is Echo Lake, which is classified as a Freshwater Pond and a small portion as Freshwater Emergent Wetland, approximately 3,000 feet west of the Site.[41]

As such, the Project would not have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means, and impacts would be less than significant.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less Than Significant Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

In addition, the areas surrounding the Project Site are fully developed and there are no large expanses of open space areas within and surrounding the Project Site that provide linkages to natural open spaces areas and that may serve as wildlife corridors.

Furthermore, the Project Site is not located in or adjacent to a Biological Resource Area or Significant Ecological Area as defined by the City or County. [42,43]

The Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[44] Existing trees on the Site will be removed to allow for construction of the Project. As discussed above, pursuant to **Mitigation Measure MM-BIO-1**, as outlined under Biological Resources, Threshold (a), tree removal activities associated with the Project would take place outside of the nesting season (February 1–August 31), to the extent feasible. Should vegetation removal activities occur during the nesting season, a qualified biologist would be present during the removal activities to ensure that no active nests would be impacted. If active

40 United States Environmental Protection Agency, NEPAssist, https://nepassisttool.epa.gov/nepassist/nepamap.aspx, accessed August 30, 2023.

41 U.S. Fish and Wildlife Service, NWI, www.fws.gov/wetlands/data/Mapper.html, accessed August 30, 2023.

42 City of Los Angeles, Department of City Planning, Los Angeles Citywide General Plan Framework, Draft Environmental Impact Report, January 19, 1995, p. 2-18-3.

43 Los Angeles County, Los Angeles County General Plan, Figure 9.3 Significant Ecological Areas and Coastal Resource Areas Policy Map, October 6, 2015: https://planning.lacounty.gov/long-range-planning/general-plan/general-plan/, accessed August 30, 2023.

44 Plans, KTGY Architecture and Planning, February 6, 2024.

nests are found, a buffer would be established until determined by the biologist to no longer be active. The size of the buffer area varies with species and local circumstances (e.g., presence of busy roads) and would be based on the professional judgment of the monitoring biologist.

Adherence to these requirements would ensure that the Project would not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites. Impacts would be less than significant.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance (e.g., oak trees or California walnut woodlands)?

Less Than Significant. The City of Los Angeles Protected Tree and Shrub Relocation and Replacement Ordinance (Ordinance No. 177,404, as amended by Ordinance No. 186,873, adopted February 4, 2021) (Protected Tree and Shrub Ordinance) regulates the relocation or removal of all Southern California native oak trees (excluding scrub oak), California black walnut trees, Western sycamore trees, California bay trees, Mexican elderberry shrubs, and toyon shrubs, of at least 4 inches in diameter at 4.5 feet above the ground level at the base of the tree or shrub.[45] The Project Site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds.[46] Therefore, there is nothing onsite that constitutes a protected tree or shrub per City of Los Angeles Protected Tree and Shrubs Ordinance No. 186,873.[47]

The Project will provide 83 trees (82 trees on the ground level, including 14 street trees, and 1 tree on the roof deck).[48] As this is greater than the 82 on-site trees (4 trees per unit) required by LAMC Section 12.21 G.2(a)(3), the Project will not be required to utilize the provisions of Ordinance No. 185,573 to pay an in-lieu fee instead of providing a compliant number of on-site trees.

There are seven Mexican fan palms (*Washingtonia robusta*) street trees along Sunset Boulevard, which are not subject to the City's Protected Tree Ordinance but are subject to the City's street tree regulations, including the provisions of LAMC Section 62.169 that prohibit the removal, destruction, pruning, or injury to any street tree without first obtaining approval from the City's

45 Pursuant to the Ordinance No. 186,873 and as defined in LAMC Section 17.02, a protected tree or shrub includes any of the following Southern California indigenous tree species, which measure 4 inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the tree, or any of the following Southern California indigenous shrub species, which measure 4 inches or more in cumulative diameter, 4.5 feet above the ground level at the base of the shrub: Oak tree; Southern California Black Walnut tree; Western Sycamore tree; California Bay tree; Mexican Elderberry shrub; and Toyon shrub.

46 Protected Tree Report, JTL Consultants, August 31, 2023.

47 LAMC Section 46.01: "PROTECTED TREE OR SHRUB" means any of the following Southern California indigenous tree species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the tree, or any of the following Southern California indigenous shrub species, which measures four inches or more in cumulative diameter, four and one-half feet above the ground level at the base of the shrub: Protected Trees: (a) Oak tree including Valley Oak (Quercus lobata) and California Live Oak (Quercus agrifolia), or any other tree of the oak genus indigenous to California but excluding the Scrub Oak (Quercus berberidifolia); (b) Southern California Black Walnut (Juglans californica); (c) Western Sycamore (Platanus racemosa);(d) California Bay (Umellularia californica). Protected Shrubs: (a) Mexican Elderberry (Sambucus mexicana); (b) Toyon (Heteromeles arbutifolia). This definition shall not include any tree or shrub grown or held for sale by a licensed nursery, or trees or shrubs planted or grown as a part of a planting program.

48 Plans, KTGY Architecture and Planning, February 6, 2024.

Urban Forestry Division and/or the Board of Public Works. As described above, to ensure that the existing street trees will be protected during Project construction activities, **PDF-BIO-1** has been incorporated into the Project.

Therefore, the Project would not conflict with any local policies or ordinances protecting biological resources, and impacts would be less than significant.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The Project Site is located on previously disturbed, developed land. The Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment. The Project Site contains limited to sparse landscaping in the form of non-native/non-protected trees, hedges, and shrubs.

As previously described, the Project Site does not support any known habitat or natural community.

There are no Habitat Conservation Plans near the Site.[49]

There are no California Natural Community Conservation Plans (CNCCP) in the area. The only CNCCP in LA County is in the City of Rancho Palos Verdes.[50]

Accordingly, no Habitat Conservation Plan, Natural Community Conservation Plan, or other approved habitat conservation plans apply to the Project Site.[51]

Therefore, the Project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, and no impact would occur.

Cumulative Impacts

Less Than Significant Impact. Cumulative impacts associated with biological resources are generally a consequence of aggregate past, present, and foreseeable impacts of the Project and other projects located within the vicinity of the Project Site. There are nine potential Related Projects identified by the City of Los Angeles within 0.5 miles of the Project (see **Table 5.21-1** and **Figure 5.21-1**).[52]

49 USFWS, Habitat Conservation Plans: https://ecos.fws.gov/ecp0/conservationPlan/region/summary?region=8&type=HCP, accessed August 30, 2023.

50 California Natural Community Conservation Plans, April 2019, https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=68626&inline, accessed August 30, 2023.

51 California Department of Fish and Wildlife, California Natural Community Conservation Plans, April 2019.

52 City of Los Angeles, Related Projects Summary from Case Logging and Tracking System, February 3, 2023 and internal team research.

Neither the Project Site nor any of the Related Projects are located on designated open space, conservation land, wildlife habitat, or riparian or wetland areas, and therefore no cumulative impacts associated with these designated areas would occur.

As discussed above, the Project Site does not contain sensitive biological resources or habitat, including wetlands, and is not part of a wildlife corridor and would not contribute related cumulative impacts. In addition, the Project and the Related Projects would comply with applicable regulatory requirements and mitigation measures regarding biological resources and protected species, including the Migratory Bird Treaty Act, California Fish and Game Code, and the City's regulations regarding protected trees and the removal of street trees. As such, no significant cumulative impacts regarding biological resources would occur.

Attachment B:

Smallwood Letter

Shawn Smallwood, PhD
3108 Finch Street
Davis, CA 95616

Richard Drury
Lozeau Drury LLP
1939 Harrison Street, Suite 150
Oakland, CA 94612

11 April 2024

RE: Sunset and Everett Project

Dear Mr. Drury,

I write to comment on a Sustainable Communities Environmental Assessment (SCEA) prepared by City of Los Angeles (2024) for a proposed project at Sunset Boulevard and Everett Street, where I understand 86- and 91-foot-tall buildings would include 327 residential units on 321,200 square feet of floor space, all on 2.5 acres.

My qualifications for preparing expert comments are the following. I hold a Ph.D. degree in Ecology from University of California at Davis, where I also worked as a post-graduate researcher in the Department of Agronomy and Range Sciences. My research has been on animal density and distribution, habitat selection, wildlife interactions with the anthrosphere, and conservation of rare and endangered species. I authored many papers on these and other topics. I served as Chair of the Conservation Affairs Committee for The Wildlife Society – Western Section. I am a member of The Wildlife Society and Raptor Research Foundation, and I've lectured part-time at California State University, Sacramento. I was Associate Editor of wildlife biology's premier scientific journal, The Journal of Wildlife Management, as well as of Biological Conservation, and I was on the Editorial Board of Environmental Management. I have performed wildlife surveys in California for thirty-seven years. My CV is attached.

SITE VISIT

On my behalf Noriko Smallwood, who is a wildlife biologist with a Master's Degree from California State University Los Angeles, visited the site of the proposed project for 2.82 hours from 06:45 to 109:34 hours on 7 April 2024. She walked the site's perimeter, stopping to scan for wildlife with use of binoculars. Noriko recorded all species of vertebrate wildlife she detected, including those whose members flew over the site or were seen nearby, off the site. Animals of uncertain species identity were either omitted or, if possible, recorded to the Genus or higher taxonomic level.

Conditions were partly cloudy with a slight north wind and 46° to 55° F. The site contained concrete pads of previous buildings, but was mostly overgrown with native and non-native shrubs, trees, and annual grass (Photos 1–3). These trees and shrubs and the overlying airspace of the project site support many species of vertebrate wildlife.

Photos 1–3. *Views of the project site, 7 April 2024. Photos by Noriko Smallwood.*

Noriko detected 30 species of vertebrate wildlife at or adjacent to the project site, including four species with special status (Table 1). Noriko saw Cooper's hawk and red-tailed hawk (Photos 4 and 5), California gull (Photo 6), Allen's hummingbird and hooded oriole (Photos 7 and 8), Cassin's kingbird and California scrub-jay (Photos 9 and 10), house sparrow and California towhee (Photos 11 and 12), white-throated swift and barn swallow (Photos 13 and 14), lesser goldfinch (Photos 15 and 16), mourning dove and Eurasian collared-dove (Photos 17 and 18), house finch and northern mockingbird

(Photos 19 and 20), Canada goose (Photo 21), European starling (Photo 22), acorn woodpecker and common raven (Photo 23 and 24), California ground squirrel (Photo 25), among the other species listed in Table 1.

Signs of breeding on and near the site abounded. California towhee, house finch, and house sparrow were actively gathering nest material from the site for nests on and near the site. Lesser goldfinches were paired up and will likely nest on or near the site. Northern mockingbirds were very territorial and will likely nest on or near the site. An Allen's hummingbird displayed to another Allen's hummingbird and was very territorial, indicating they will likely nest on or near the site. Cassin's kingbirds chased each other indicating they will likely nest soon. Birds were very busy on site and the site has a large capacity to support nesting and foraging birds.

Noriko Smallwood certifies that the foregoing and following survey results are true and accurately reported.

Noriko Smallwood

Photos 4 and 5. *Cooper's hawk soaring over the project site (left) and red-tailed hawk flying from one branch to another on the project site (right), 7 April 2024. Photos by Noriko Smallwood. Note the Cooper's hawk is looking down to search the site for prey items.*

Photo 6. *California gulls flying over the project site, 7 April 2024. Photo by Noriko Smallwood.*

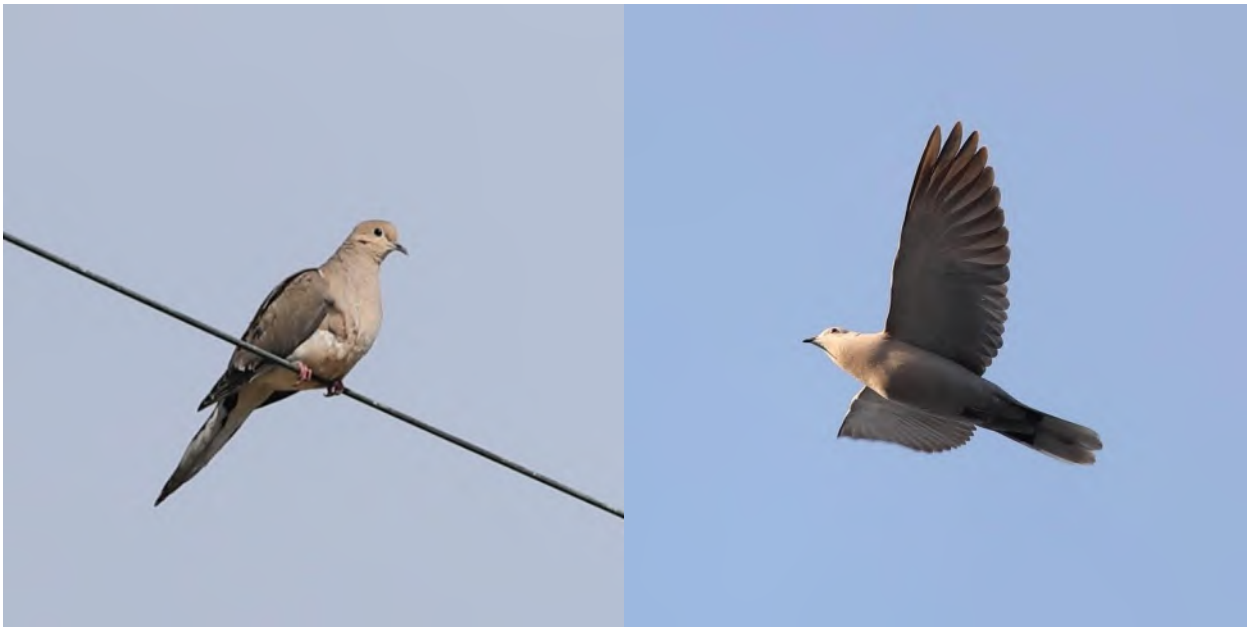
Photos 7 and 8. *Allen's hummingbird (left) and hooded oriole (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 9 and 10. *Cassin's kingbird on the project site (left), and California scrub-jay right next to the project site (right), 7 April 2024. Photos by Noriko Smallwood.*

Photos 11 and 12. *House sparrow with nest material (left) and California towhee (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 13 and 14. *White-throated swifts (left) and barn swallow (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 15 and 16. *Lesser goldfinch male (left) and female (right) foraging on plants on the project site, 7 April 2024. Photos by Noriko Smallwood.*

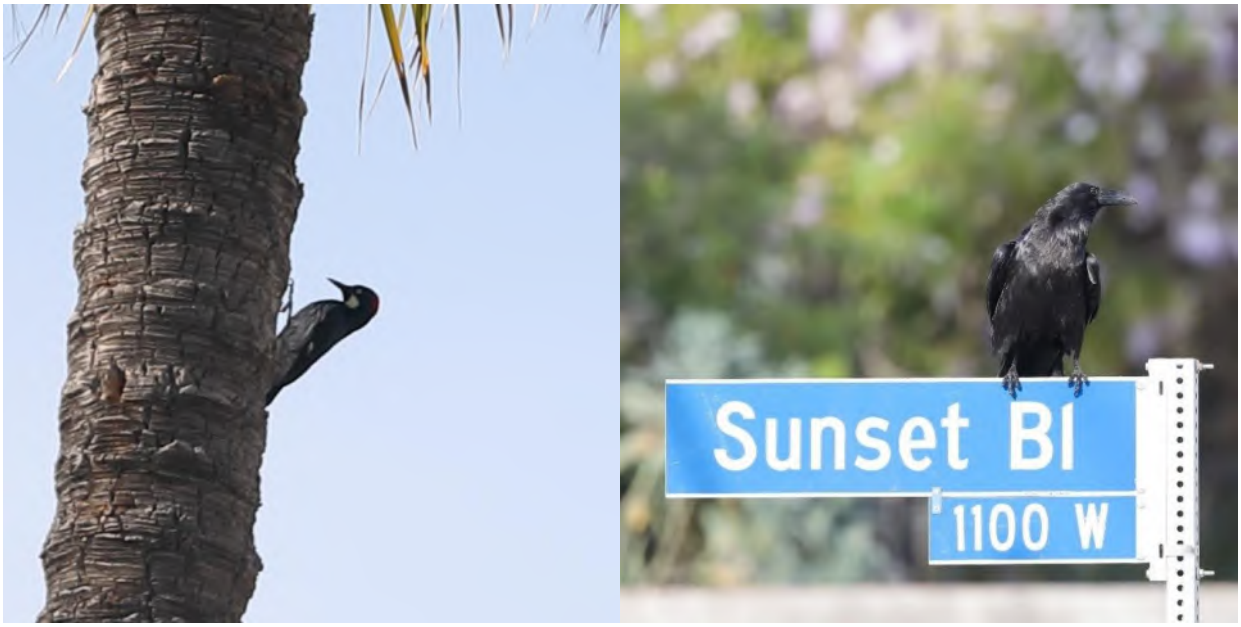


Photos 17 and 18. *Mourning dove (left) and Eurasian collared-dove (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 19 and 20. *House finch (left) and northern mockingbird (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photo 21. *Canada goose flying over the project site, 7 April 2024. Photo by Noriko Smallwood.*

Photo 22. *European starling on the project site, 7 April 2024. Photo by Noriko Smallwood.*



Photos 23 and 24. *Acorn woodpecker (left) and common raven (right), right next to the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photo 25. *California ground squirrel on the project site, 7 April 2024. Photo by Noriko Smallwood.*

Table 1. *Species of wildlife Noriko observed during 2.82 hours of survey on 7 April 2024.*

Common name	***Species name***	**Status**[1]	**Notes**
Canada goose	*Branta canadensis*		Two flew over
Rock pigeon	*Columba livia*	Non-native	Utilized site throughout survey
Eurasian collared-dove	*Streptopelia decaocto*	Non-native	Flew over
Mourning dove	*Zenaida macroura*		Perched
White-throated swift	*Aeronautes saxatalis*		Foraged over site
Anna's hummingbird	*Calypte anna*		Perched, territorial
Allen's hummingbird	*Selasphorus sasin*	BCC	Perched, territorial
California gull	*Larus californicus*	BCC, TWL	Flew over, calling
Cooper's hawk	*Accipiter cooperii*	TWL, BOP	Flew low over site then circled
Red-tailed hawk	*Buteo jamaicensis*	BOP	Perched on pole and trees on site, flew low over site
Acorn woodpecker	*Melanerpes formicivorus*		Next to site on palm tree
Cassin's kingbird	*Tyrannus vociferans*		Perched on palm trees, chased each other
Black phoebe	*Sayornis nigricans*		Perched on tree
California scrub-jay	*Aphelocoma californica*		Perched on tree next to site
American crow	*Corvus brachyrhynchos*		Perched, flew over, socialized
Common raven	*Corvus corax*		Perched, flew over, foraged
Barn swallow	*Hirundo rustica*		Flew over
Bushtit	*Psaltriparus minimus*		Foraged in trees
House wren	*Troglodytes aedon*		Sang from trees
Northern mockingbird	*Mimus polyglottos*		Perched, sang, territorial
European starling	*Sturnus vulgaris*	Non-native	Perched, flew over
House sparrow	*Passer domesticus*	Non-native	Gathered nest material
House finch	*Haemorphous mexicanus*		Gathered nest material
Lesser goldfinch	*Spinus psaltria*		Foraged on plants
California towhee	*Melozone crissalis*		Gathered nest material
Hooded oriole	*Icterus cucullatus*		Perched on palm trees
House cat	*Felis catus*	Non-native	Near a house next to the site
Eastern fox squirrel	*Sciurus niger*	Non-native	On wires and trees
California ground squirrel	*Otospermophilus beecheyi*		One in dumpster with sticks
Botta's pocket gopher	*Thomomys bottae*		Burrows next to site

[1] Listed as BCC = U.S. Fish and Wildlife Service Bird of Conservation Concern, TWL = Taxa to Watch List (Shuford and Gardali 2008), and BOP = Birds of Prey (California Fish and Game Code 3503.5).

Based on Noriko's survey findings, I am certain that at least four sensitive species of vertebrate wildlife occur at the project site. Making direct use of the trees and shrubs on the project site were special-status species including Allen's hummingbird and red-tailed hawk. The project site is habitat of these species.

California gull, Cooper's hawk, Allen's hummingbird, and red-tailed hawk made use of that portion of the aerosphere that the proposed buildings would displace. The aerosphere of the project site is habitat of these species.

Based on habitat associations, special-status species I expect to use the project site as habitat, but which have yet to be detected there, include monarch, rufous hummingbird, Costa's hummingbird, sharp-shinned hawk, red-shouldered hawk, Peregrine falcon, Nuttall's woodpecker, Bullock's oriole, western gull, Vaux swift, and at least several of the bat species in Table 2. The project site most likely is habitat of these special-status species, and of others in Table 2.

Considering Noriko's brief time at the project site, many species of wildlife were detected. The species Noriko detected included four special-status species, all of which are sensitive species whose presence obligates my determination that sensitive species occur on the project site. They do. Species listed by the US Fish and Wildlife Service as Birds of Conservation Concern and the Taxa to Watch List were prevalent on site, and species protected by California as Birds of Prey were utilizing the site as hunting grounds. Most of the birds in Table 1 are protected by the Migratory Bird Treaty Act and by the California Bird Protection Act, largely because birds are sensitive to disturbances to their nest attempts. The evidence is overwhelming that the project site provides habitat for protected species identified as candidate, sensitive, or species of special status by state or federal agencies, and fully protected species.

However, I must point out that the species of wildlife Noriko detected at the project site comprised only a sampling of the species that were present during her survey. I fit a nonlinear regression model to the cumulative number of vertebrate species detected with time into Noriko's 7 April 2024 survey to predict the number of species that she would have detected with a longer survey or perhaps with additional biologists available to assist. The model is a logistic growth model which reaches an asymptote that corresponds with the maximum number of vertebrate wildlife species that could have been detected during the survey. In this case, the model predicts many more species of vertebrate wildlife were available to be detected had Noriko's survey effort increased on the morning of 7 April 2024 (Figure 1). Unfortunately, I do not know the identities of the undetected species, but the pattern in Noriko's data indicates relatively high use of the project site compared to 10 surveys at other sites she and I have completed in southern California relatively near the coast. Compared to models fit to data we collected from other sites in the region between 2019 and 2023, the data from the project site follows along the upper bound of the 95% confidence interval of the rate of accumulated species detections with time into the survey (Figure 1). Importantly, however, the species that Noriko did and did not detect on 7 April 2024 composed only a fraction of the species that would occur at the project site over the period of a year or longer. This is because many species are seasonal in their occurrence.

Table 2. *Occurrence likelihoods of special-status bird species at or near the proposed project site, according to eBird/iNaturalist records (https://eBird.org, https://www.inaturalist.org) and on-site survey findings, where 'Very close' indicates within 1.5 miles of the site, "nearby" indicates within 1.5 and 4 miles, and "in region" indicates within 4 and 30 miles, and 'in range' means the species' geographic range overlaps the site. Entries in bold font identify species observed by Noriko.*

Common name	***Species name***	**Status[1]**	**Databases, Site visit**
Monarch	*Danaus plexippus*	FC	Very close
Crotch's bumble bee	*Bombus crotchii*	CCE	Nearby
Blainville's horned lizard	*Phrynosoma blainvillii*	SSC	In region
Coastal whiptail	*Aspidoscelis tigris stejnegeri*	SSC	In region
San Diegan legless lizard	*Anniella stebbinsi*	SSC	Nearby
Coast patch-nosed snake	*Salvadora hexalepis virgultea*	SSC	In region
Two-striped gartersnake	*Thamnophis hammondii*	SSC	In region
South coast gartersnake	*Thamnophis sirtalis pop. 1*	SSC	In range
Fulvous whistling-duck	*Dendrocygna bicolor*	SSC1	In region
Brant	*Branta bernicla*	SSC2	In region
Cackling goose (Aleutian)	*Branta hutchinsii leucopareia*	WL	Nearby
Redhead	*Aythya americana*	SSC2	Very close
Western grebe	*Aechmophorus occidentalis*	BCC	Very close
Clark's grebe	*Aechmophorus clarkii*	BCC	Nearby
Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*	FT, CE, BCC	In region
Black swift	*Cypseloides niger*	SSC3, BCC	Nearby
Vaux's swift	*Chaetura vauxi*	SSC2, BCC	Very close
Costa's hummingbird	*Calypte costae*	BCC	Very close
Rufous hummingbird	*Selasphorus rufus*	BCC	Very close
Allen's hummingbird	*Selasphorus sasin*	BCC	**On site**
Whimbrel[2]	*Numenius phaeopus*	BCC	Nearby
Long-billed curlew	*Numenius americanus*	WL	In region
Marbled godwit	*Limosa fedoa*	BCC	In region
Short-billed dowitcher	*Limnodromus griseus*	BCC	In region
Willet	*Tringa semipalmata*	BCC	Nearby
American avocet[2]	*Recurvirostra americana*	BCC	Nearby
Laughing gull	*Leucophaeus atricilla*	WL	In region
Heermann's gull	*Larus heermanni*	BCC	In region
Western gull	*Larus occidentalis*	BCC	Very close
California gull	*Larus californicus*	BCC, WL	**On site**
California least tern	*Sternula antillarum browni*	FE, CE, FP	In region
Black tern	*Chlidonias niger*	SSC2, BCC	In region
Elegant tern	*Thalasseus elegans*	BCC, WL	Nearby
Common loon	*Gavia immer*	SSC	Nearby
Double-crested cormorant	*Phalacrocorax auritus*	WL	Very close
American white pelican	*Pelacanus erythrorhynchos*	SSC1, BCC	Very close
Least bittern	*Ixobrychus exilis*	SSC2	In region

Common name	***Species name***	**Status[1]**	**Databases, Site visit**
White-faced ibis	*Plegadis chihi*	WL	Very close
Turkey vulture	*Cathartes aura*	BOP	Very close
Osprey	*Pandion haliaetus*	WL, BOP	Very close
White-tailed kite	*Elanus luecurus*	CFP, BOP	Very close
Golden eagle	*Aquila chrysaetos*	BGEPA, CFP, BOP, WL	Very close
Northern harrier	*Circus cyaneus*	BCC, SSC3, BOP	Very close
Sharp-shinned hawk	*Accipiter striatus*	WL, BOP	Very close
Cooper's hawk	*Accipiter cooperii*	WL, BOP	**On site**
Bald eagle	*Haliaeetus leucocephalus*	CE, BGEPA, CFP	Very close
Red-shouldered hawk	*Buteo lineatus*	BOP	Very close
Swainson's hawk	*Buteo swainsoni*	CT, BOP	Very close
Red-tailed hawk	*Buteo jamaicensis*	BOP	**On site**
Ferruginous hawk	*Buteo regalis*	WL, BOP	Nearby
Zone-tailed hawk	*Buteo albonotatus*	BOP	Nearby
Harris' hawk	*Parabuteo unicinctus*	WL, BOP	In region
Barn owl	*Tyto alba*	BOP	Very close
Western screech-owl	*Megascops kennicotti*	BOP	Very close
Great horned owl	*Bubo virginianus*	BOP	Very close
Burrowing owl	*Athene cunicularia*	BCC, SSC2, BOP	Very close
Long-eared owl	*Asio otus*	BCC, SSC3, BOP	In region
Short-eared owl	*Asia flammeus*	BCC, SSC3, BOP	In region
Lewis's woodpecker	*Melanerpes lewis*	BCC	Very close
Nuttall's woodpecker	*Picoides nuttallii*	BCC	Very close
American kestrel	*Falco sparverius*	BOP	Very close
Merlin	*Falco columbarius*	WL, BOP	Very close
Peregrine falcon	*Falco peregrinus*	BOP	Very close
Prairie falcon	*Falco mexicanus*	WL, BOP	In region
Olive-sided flycatcher	*Contopus cooperi*	BCC, SSC2	Very close
Willow flycatcher	*Empidonax trailii*	CE	Very close
Southwestern willow flycatcher	*Empidonax traillii extimus*	FE, CE	In region
Vermilion flycatcher	*Pyrocephalus rubinus*	SSC2	Nearby
Least Bell's vireo	*Vireo bellii pusillus*	FE, CE	Very close
Loggerhead shrike	*Lanius ludovicianus*	SSC2	Very close
Oak titmouse	*Baeolophus inornatus*	BCC	Very close
California horned lark	*Eremophila alpestris actia*	WL	Nearby
Bank swallow	*Riparia riparia*	CT	Nearby
Purple martin	*Progne subis*	SSC2	Nearby
Wrentit	*Chamaea fasciata*	BCC	Very close
California gnatcatcher	*Polioptila c. californica*	FT, SSC2	In region
California thrasher	*Toxostoma redivivum*	BCC	Very close
Cassin's finch	*Haemorhous cassinii*	BCC	In region
Lawrence's goldfinch	*Spinus lawrencei*	BCC	Very close

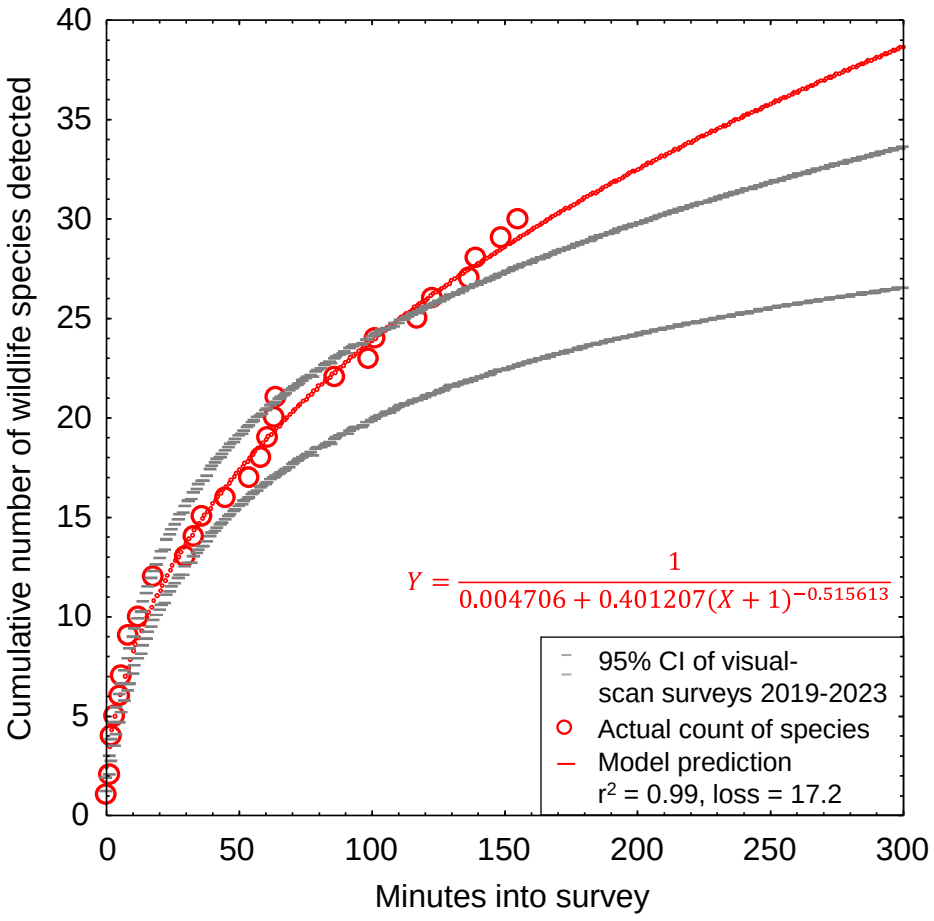
Common name	*Species name*	Status[1]	Databases, Site visit
Grasshopper sparrow	*Ammodramus savannarum*	SSC2	Nearby
Black-chinned sparrow	*Spizella atrogularis*	BCC	In region
Gray-headed junco	*Junco hyemalis caniceps*	WL	Very close
Bell's sparrow	*Amphispiza b. belli*	WL	In region
Southern California rufous-crowned sparrow	*Aimophila ruficeps canescens*	WL	Very close
Yellow-breasted chat	*Icteria virens*	SSC3	Nearby
Yellow-headed blackbird	*X. xanthocephalus*	SSC3	Very close
Bullock's oriole	*Icterus bullockii*	BCC	Very close
Tricolored blackbird	*Agelaius tricolor*	CT, BCC, SSC1	Very close
Lucy's warbler	*Leiothlypis luciae*	SSC3, BCC	Very close
Virginia's warbler	*Leiothlypis virginiae*	WL, BCC	Very close
Yellow warbler	*Setophaga petechia*	SSC2	Very close
Summer tanager	*Piranga rubra*	SSC1	Very close
Pallid bat	*Antrozous pallidus*	SSC, WBWG:H	In range
Townsend's big-eared bat	*Corynorhinus townsendii*	SSC, WBWG:H	In range
Silver-haired bat	*Lasionycteris noctivagans*	WBWG:M	Nearby
Spotted bat	*Euderma maculatum*	SSC, WBWG:H	In range
Hoary bat	*Lasiurus cinereus*	WBWG:M	Nearby
Western yellow bat	*Lasiurus xanthinus*	SSC, WBWG:H	In range
Western small-footed myotis	*Myotis cililabrum*	WBWG:M	In range
Miller's myotis	*Myotis evotis*	WBWG:M	In range
Little brown myotis	*Myotis lucifugus*	WBWG:M	In region
Fringed myotis	*Myotis thysanodes*	WBWG:H	In range
Long-legged myotis	*Myotis volans*	WBWG:H	In range
Yuma myotis	*Myotis yumanensis*	WBWG:LM	Nearby
Western mastiff bat	*Eumops perotis*	SSC, WBWG:H	Very close
Mexican free-tailed bat	*Tadarida brasiliensis*	WBWG:L	Very close
Los Angeles pocket mouse	*Perognathus longimembris brevinasus*	SSC	In range
Southern grasshopper mouse	*Onychomys torridus ramona*	SSC	In range

[1] Listed as FT or FE = federal threatened or endangered, FC = federal candidate for listing, BCC = U.S. Fish and Wildlife Service Bird of Conservation Concern, CT or CE = California threatened or endangered, CCT or CCE = Candidate California threatened or endangered, CFP = California Fully Protected (California Fish and Game Code 3511), SSC = California Species of Special Concern (not threatened with extinction, but rare, very restricted in range, declining throughout range, peripheral portion of species' range, associated with habitat that is declining in extent), SSC1, SSC2 and SSC3 = California Bird Species of Special Concern priorities 1, 2 and 3, respectively (Shuford and Gardali 2008), WL = Taxa to Watch List (Shuford and Gardali 2008), and BOP = Birds of Prey (CFG Code 3503.5), and WBWG = Western Bat Working Group with priority rankings, of low (L), moderate (M), and high (H).

[2] Uncertain if BCC based on 2021 Bird of Conservation Concern list.

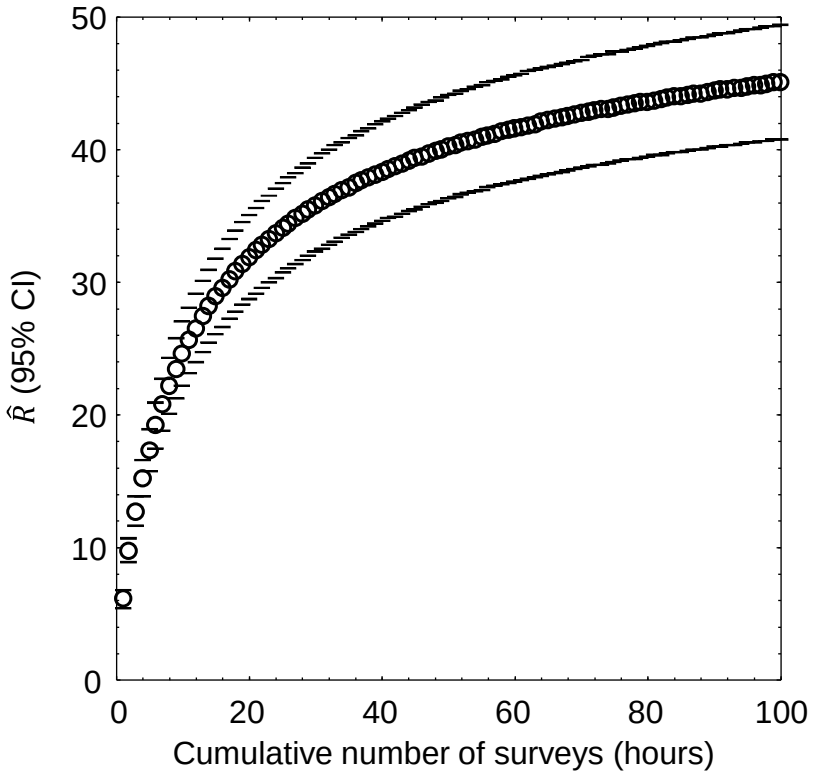
At least a year's worth of surveys would be needed to more accurately report the number of vertebrate species that occur at the project site, but I only have Noriko's one survey. However, by use of an analytical bridge, a modeling effort applied to a large, robust data set from a research site can predict the number of vertebrate wildlife species that likely make use of the site over the longer term. As part of my research, I completed a much larger survey effort across 167 km² of annual grasslands of the Altamont Pass Wind Resource Area, where from 2015 through 2019 I performed 721 1-hour visual-scan surveys, or 721 hours of surveys, at 46 stations. I used binoculars and otherwise the methods were the same as the methods I and other consulting biologists use for surveys at proposed project sites. At each of the 46 survey stations, I tallied new species detected with each sequential survey at that station, and then related the cumulative species detected to the hours (number of surveys, as each survey lasted 1 hour) used to accumulate my counts of species detected. I used combined quadratic and simplex methods of estimation in Statistica to estimate least-squares, best-fit nonlinear models of the number of cumulative species detected regressed on hours of survey (number of surveys) at the station: $\hat{R} = \frac{1}{1/a+b\times(Hours)^c}$, where $\hat{R}$ represented cumulative species richness detected. The coefficients of determination, r^2, of the models ranged 0.88 to 1.00, with a mean of 0.97 (95% CI: 0.96, 0.98); or in other words, the models were excellent fits to the data.

Figure 1. *Actual and predicted relationships between the number of vertebrate wildlife species detected and the elapsed survey time based on Noriko's visual-scan survey on 7 April 2024. Note that the relationship would differ if the survey was based on another method or during another season.*



I projected the predictions of each model to thousands of hours to find predicted asymptotes of wildlife species richness. The mean model-predicted asymptote of species richness was 57 after 11,857 hours of visual-scan surveys among the 46 stations of my research site. I also averaged model predictions of species richness at each incremental increase of number of surveys, i.e., number of hours (Figure 2). On average I would have detected 12.2 species over my first 2.82 hours of surveys at my research site in the Altamont Pass (2.82 hours to match the 2.82 hours Noriko surveyed at the project site on 7 April 2024), which composed 37.2% of the predicted total number of species I would detect with a much larger survey effort at the research site. Given the example illustrated in Figure 2, the 30 species Noriko detected after 2.82 hours of survey at the project site on 7 April 2024 likely represented 37.2% of the species to be detected after many more visual-scan surveys over another year or longer. With many more repeat surveys through the year, Noriko would likely detect $^{30}/_{0.372} = 81$ species of vertebrate wildlife at the site. Assuming Noriko's ratio of special-status to non-special-status species was to hold through the detections of all 81 predicted species, then continued surveys would eventually detect 11 special-status species of vertebrate wildlife.

Figure 2. *Mean (95% CI) predicted wildlife species richness, $\hat{R}$, as a nonlinear function of hour-long survey increments across 46 visual-scan survey stations across the Altamont Pass Wind Resource Area, Alameda and Contra Costa Counties, 2015–2019. Note that the location of the study is largely irrelevant to the utility of the graph to the interpretation of survey outcomes at the project site. It is the pattern in the data that is relevant, because the pattern is typical of the pattern seen elsewhere.*



Because my prediction of 81 species of vertebrate wildlife, including11 special-status species of vertebrate wildlife, is derived from daytime visual-scan surveys, and would detect few nocturnal mammals such as bats, the true number of species composing the wildlife community of the site must be larger. Noriko's reconnaissance survey should serve only as a starting point toward characterization of the site's wildlife community, but it certainly cannot alone inform of the inventory of species that use the site. More surveys are needed than hers to inventory use of the project site by wildlife.

EXISTING ENVIRNMENTAL SETTING

The first step in analysis of potential project impacts to biological resources is to accurately characterize the existing environmental setting, including the biological species that use the site, their relative abundances, how they use the site, key ecological relationships, and known and ongoing threats to those species with special status. A reasonably accurate characterization of the environmental setting can provide the basis for determining whether the site holds habitat value to wildlife, as well as a baseline against which to analyze potential project impacts. For these reasons, characterization of the environmental setting, including the project site's regional setting, is one of CEQA's essential analytical steps. Methods to achieve this first step typically include (1) surveys of the site for biological resources, and (2) reviews of literature, databases and local experts for documented occurrences of special-status species. In the case of the proposed project, these needed steps were not completed.

Environmental Setting informed by Field Surveys

To CEQA's primary objective to disclose potential environmental impacts of a proposed project, the analysis should be informed of which biological species are known to occur at the proposed project site, which special-status species are likely to occur, as well as the limitations of the survey effort directed to the site. Analysts need this information to characterize the environmental setting as a basis for opining on, or predicting, potential project impacts to biological resources.

The City of Los Angeles did not have the project site surveyed for wildlife. The City simply assumed that wildlife are absent from the site. According to the City (page 5-55), "the Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment, and therefore no known occupied habitat, potentially suitable habitat, or designated critical habitat exists on the Project Site or in the surrounding area." The conclusion fails to flow logically from the implied premise that patches of open space within an urban environment cannot support wildlife. The premise is false, and therefore so is the conclusion. Noriko's survey of the site utterly refutes the City's premise and its conclusion.

Environmental Setting informed by Desktop Review

The purpose of literature and database review and of consulting with local experts is to inform the field survey, and to augment interpretation of its outcome. Analysts need this information to identify which species are known to have occurred at or near the project site, and to identify which other special-status species could conceivably occur at the site due to geographic range overlap and migration flight paths.

The City of Los Angeles did not perform a desktop review, or at least the findings of a desktop review is not reported. No species occurrence database was consulted. No wildlife expert was consulted. This important CEQA step was skipped.

At page 5-66, the SCEA reports that the site is vacant and also covered in weeds and hundreds of invasive tree of heaven. However, the SCEA does not explain how the vegetation on the site prevents wildlife, and it does not.

In my assessment based on database reviews and site visits, 108 special-status species of wildlife are known to occur near enough to the site to warrant analysis of occurrence potential (Table 2). Of these 108 species, 4 (4%) were recorded on the project site, and another 46 (42%) species have been documented within 1.5 miles of the site ('Very close'), another 21 (20%) within 1.5 and 4 miles ('Nearby'), and another 26 (24%) within 4 to 30 miles ('In region'). Two thirds (66%) of the species in Table 2 have been reportedly seen within 4 miles of the project site. The site therefore supports multiple special-status species of wildlife and carries the potential for supporting many more special-status species of wildlife based on proximity of recorded occurrences.

At page 5-67, the SCEA reports "Due to the urbanized and disturbed nature of the Project Site and the surrounding areas, and lack of large expanses of open space areas, species likely to occur on-site are limited to small terrestrial and avian species typically found in urbanized developed settings." However, had the City of Los Angeles had professional biologists survey the site, it would have seen that this statement is unsupportable. Noriko detected various species on the site, including red-tailed hawk, Cooper's hawk, California gull, white-throated swifts, acorn woodpecker and California ground squirrels – not the types of species normally found in residential backyards.

Regarding bats, the SCEA (page 5-68) states, "While none have been identified on the Project Site, it is possible that bats or bat roosts are present in on-site trees or in building cavities." However, City of Los Angeles did not have anyone search for bats on the project site. It is therefore misleading to state that no bats have been identified on the project site. Whereas it might be true that none have been identified, that none have been identified is meaningless if no surveys were conducted.

There is at least a fair argument to be made for the need to prepare an EIR to accurately characterize the existing environmental setting and to appropriately analyze the project impacts to wildlife from habitat fragmentation and from bird-glass collision mortality.

POTENTIAL BIOLOGICAL IMPACTS

An impacts analysis should consider whether and how a proposed project would affect members of a species, larger demographic units of the species, the whole of a species, and ecological communities. The accuracy of this analysis depends on an accurate characterization of the existing environmental setting. In the case of the proposed project, the existing environmental setting has not been accurately characterized, and several important types of potential project impacts have been inadequately analyzed. These types of impacts include habitat loss, interference with wildlife movement, and wildlife-automobile collision mortality.

HABITAT LOSS AND HABITAT FRAGMENTATION

City of Los Angeles (2024:4-21) claims that the 2020-2045 RTP/SCS strategy/measure to **"**Preserve, enhance, and restore regional wildlife connectivity "does not apply to the project site because it "does not serve as a regional wildlife connector…" However, the 30 species of vertebrate wildlife than Noriko detected within less than three hours indicate otherwise. All of the animals that Noriko saw at the site could not have been there had they not either traveled to the site from elsewhere or had their population not been sustained by other animals having earlier arrived to the site. The last remaining patches of open space and the residential yards and gardens maintained in trees and native plants enable wildlife to move across and to live within the greater Los Angeles megacity (Wood and Esaian 2020, Smallwood and Wood 2022).

The project site is one of the last remaining patches of open space in the region, as the region has undergone severe habitat fragmentation. Therefore, the habitat value of the site is especially high to species of wildlife that find breeding, refuge, and foraging opportunities there, as well as opportunities for stop-over during migration or dispersal across Los Angeles. The loss of the habitat on the project site would result in substantial reductions in species richness and the number of wild animals in the area (Smallwood and Smallwood 2023).

To measure the impacts of habitat loss to wildlife caused by development projects, Noriko Smallwood and I revisited 80 sites of proposed projects that we had originally surveyed in support of comments on CEQA review documents (Smallwood and Smallwood 2023). We revisited the sites to repeat the survey methods at the same time of year, the same start time in the day, and the same methods and survey duration in order to measure the effects of mitigated development on wildlife. We structured the experiment in a before-after, control-impact experimental design, as some of the sites had been developed since our initial survey and some had remained undeveloped. All of the developed sites had included mitigation measures to avoid, minimize or compensate for impacts to wildlife. Nevertheless, we found that mitigated development resulted in a 66% loss of species on site, and 48% loss of species in the project area. Counts of vertebrate animals declined 90%. "Development impacts measured by the mean number of species detected per survey were greatest for amphibians (-100%), followed by mammals (-86%), grassland birds (-75%), raptors (-53%), special-status species (-49%), all birds as a group (-48%), non-native birds (-44%), and synanthropic birds (-28%). Our results indicated that urban development substantially reduced vertebrate species richness and numerical abundance, even after richness and abundance had likely already been depleted by the cumulative effects of loss, fragmentation, and degradation of habitat in the urbanizing environment," and despite all of the mitigation measures and existing policies and regulations. We also found that impacts to wildlife were most severe at infill project sites, where wildlife lacked habitat options on adjacent land areas.

Habitat loss not only results in the immediate numerical decline of wildlife, but it also results in permanent loss of productive capacity. Habitat fragmentation multiplies the negative effects of habitat loss on the productive capacities of biological species (Smallwood 2015). None of these impacts, however, are specifically addressed in the

SCEA. In the case of birds, two methods exist for estimating the loss of productive capacity that would be caused by the project. One method would involve surveys to count the number of bird nests and chicks produced. The alternative method is to infer productive capacity from estimates of total nest density elsewhere. Two study sites in grassland-wetland-woodland complexes had total bird nesting densities of 32.8 and 35.8 nests per acre (Young 1948, Yahner 1982). These densities, however, are probably too high for the project site, which lacks wetlands. Assuming the total nest density of the project site is half of the estimates reported by Young (1948) and Yahner (1982), then I predict 17 nest sites per acre. Assuming 1.39 broods per nest site based on Noriko's review of 322 North American bird species, which averaged 1.39 broods per year, then I predict the project supports 24 nest attempts/year. Assuming Young's (1948) study result2.9 fledglings per year typifies productivity on the project site, then I predict 70 fledglings are produced annually on the project site. Assuming an average bird generation time of 5 years, the lost capacity of both breeders and annual fledgling production can be estimated from an equation in Smallwood (2022): {(nests/year × chicks/nest × number of years) + (2 adults/nest × nests/year) × (number of years ÷ years/generation)} ÷ (number of years) = 80 birds per year denied to California.

The impacts of habitat loss are not analyzed by City of Los Angeles (2024), because the City concluded without evidence that the site does not support wildlife. However, wildlife *do* occur on the site because the site provides habitat. It is my opinion that the impacts of habitat loss would be significant. A fair argument can be made for the need to prepare and EIR to appropriately analyze the impacts of habitat loss and to formulate appropriate mitigation measures.

INTERFERENCE WITH WILDLIFE MOVEMENT

One of CEQA's principal concerns regarding potential project impacts is whether a proposed project would interfere with wildlife movement in the region. Unfortunately, City of Los Angeles concludes without evidence that the site is unimportant to wildlife movement in the region. The City conducted no program of observation to characterize wildlife movement on or around the project site. The City did not have a wildlife survey performed in any fashion at all. No evidence has been made available in support of the City's conclusion, and the evidence Noriko collected refutes the City's conclusion.

The SCEA (page 5-71) claims that adherence to its mitigation requirements "would ensure that the Project would not interfere substantially with the movement of any native resident or migratory … wildlife species…" However, the insertion of a long reach of 85-91-foot-tall glass-fronted buildings onto existing stopover and fly-through habitat would most certainly interfere with wildlife movement. Not only would the buildings present birds, bats and butterflies with substantial barriers to volant movement, but interior lighting would escape the large-panel windows, which would distract many avian nocturnal migrants, and which would increase bird collision risk. Depictions of the buildings appear to highlight the project's emissions of interior light (Figure 3). The project would interfere with wildlife movement while also introducing considerable bird-window collision risk.

Figure 3*. One of the proposed buildings of the project, showing a lengthy barrier to bird flights, and abundant glass and interior lighting, both features of which increase bird-window collision risk. The image is from https://la.urbanize.city/post/mixed-use-project-inches-forward-1185-w-sunset-boulevard-echo-park.*

BIRD-WINDOW COLLISIONS

The SCEA fails to consider impacts on wildlife from window collision. The project would add two seven-story buildings, 85 and 91 feet tall, totaling 321,300-square-feet of floor space. Based on the buildings' circumferences and heights and simulated depictions, I estimate the façades would be about 75% structural glass, not including all the glass railings. I estimate the project would add about 10,395 m^2 of glass, but again not including the railings.

Many special-status species of birds have been recorded at or near the aerosphere of the project site. My database review and Noriko's site visit indicates there are 83 special-status species of birds with potential to use the site's aerosphere (Table 2). All of the birds of species in Table 2 can quickly fly from wherever they have been documented to the project site, so they would all be within brief flights to the proposed project's windows.

Window collisions are often characterized as either the second or third largest source or human-caused bird mortality. The numbers behind these characterizations are often attributed to Klem's (1990) and Dunn's (1993) estimates of about 100 million to 1 billion bird fatalities in the USA, or more recently by Loss et al.'s (2014) estimate of 365-988 million bird fatalities in the USA or Calvert et al.'s (2013) and Machtans et al.'s (2013)

estimates of 22.4 million and 25 million bird fatalities in Canada, respectively. The proposed project would impose windows in the airspace normally used by birds.

Glass-façades of buildings intercept and kill many birds, but these façades are differentially hazardous to birds based on spatial extent, contiguity, orientation, and other factors. At Washington State University, Johnson and Hudson (1976) found 266 bird fatalities of 41 species within 73 months of monitoring of a three-story glass walkway (no fatality adjustments attempted). Prior to marking the windows to warn birds of the collision hazard, the collision rate was 84.7 per year. At that rate, and not attempting to adjust the fatality estimate for the proportion of fatalities not found, 4,574 birds were likely killed over the 54 years since the start of their study, and that's at a relatively small building façade. Accounting for the proportion of fatalities not found, the number of birds killed by this walkway over the last 54 years would have been about 14,270. And this is just for one 3-story, glass-sided walkway between two college campus buildings.

Klem's (1990) estimate was based on speculation that 1 to 10 birds are killed per building per year, and this speculated range was extended to the number of buildings estimated by the US Census Bureau in 1986. Klem's speculation was supported by fatality monitoring at only two houses, one in Illinois and the other in New York. Also, the basis of his fatality rate extension has changed greatly since 1986. Whereas his estimate served the need to alert the public of the possible magnitude of the bird-window collision issue, it was highly uncertain at the time and undoubtedly outdated more than three decades hence. Indeed, by 2010 Klem (2010) characterized the upper end of his estimated range – 1 billion bird fatalities – as conservative. Furthermore, the estimate lumped species together as if all birds are the same and the loss of all birds to windows has the same level of impact.

By the time Loss et al. (2014) performed their effort to estimate annual USA bird-window fatalities, many more fatality monitoring studies had been reported or were underway. Loss et al. (2014) incorporated many more fatality rates based on scientific monitoring, and they were more careful about which fatality rates to include. However, they included estimates based on fatality monitoring by homeowners, which in one study were found to detect only 38% of the available window fatalities (Bracey et al. 2016). Loss et al. (2014) excluded all fatality records lacking a dead bird in hand, such as injured birds or feather or blood spots on windows. Loss et al.'s (2014) fatality metric was the number of fatalities per building (where in this context a building can include a house, low-rise, or high-rise structure), but they assumed that this metric was based on window collisions. Because most of the bird-window collision studies were limited to migration seasons, Loss et al. (2014) developed an admittedly assumption-laden correction factor for making annual estimates. Also, only 2 of the studies included adjustments for carcass persistence and searcher detection error, and it was unclear how and to what degree fatality rates were adjusted for these factors. Although Loss et al. (2014) attempted to account for some biases as well as for large sources of uncertainty mostly resulting from an opportunistic rather than systematic sampling data source, their estimated annual fatality rate across the USA was highly uncertain and vulnerable to multiple biases, most of which would have resulted in fatality estimates biased low.

In my review of bird-window collision monitoring, I found that the search radius around homes and buildings was very narrow, usually 2 meters. Based on my experience with bird collisions in other contexts, I would expect that a large portion of bird-window collision victims would end up farther than 2 m from the windows, especially when the windows are higher up on tall buildings. In my experience, searcher detection rates tend to be low for small birds deposited on ground with vegetation cover or woodchips or other types of organic matter. Also, vertebrate scavengers entrain on anthropogenic sources of mortality and quickly remove many of the carcasses, thereby preventing the fatality searcher from detecting these fatalities. Adjusting fatality rates for these factors – search radius bias, searcher detection error, and carcass persistence rates – would greatly increase nationwide estimates of bird-window collision fatalities.

Buildings can intercept many nocturnal migrants as well as birds flying in daylight. As mentioned above, Johnson and Hudson (1976) found 266 bird fatalities of 41 species within 73 months of monitoring of a four-story glass walkway at Washington State University (no adjustments attempted for undetected fatalities). Somerlot (2003) found 21 bird fatalities among 13 buildings on a university campus within only 61 days. Monitoring twice per week, Hager at al. (2008) found 215 bird fatalities of 48 species, or 55 birds/building/year, and at another site they found 142 bird fatalities of 37 species for 24 birds/building/year. Gelb and Delacretaz (2009) recorded 5,400 bird fatalities under buildings in New York City, based on a decade of monitoring only during migration periods, and some of the high-rises were associated with hundreds of fatalities each. Klem et al. (2009) monitored 73 building façades in New York City during 114 days of two migratory periods, tallying 549 collision victims, nearly 5 birds per day. Borden et al. (2010) surveyed a 1.8 km route 3 times per week during 12-month period and found 271 bird fatalities of 50 species. Parkins et al. (2015) found 35 bird fatalities of 16 species within only 45 days of monitoring under 4 building façades. From 24 days of survey over a 48-day span, Porter and Huang (2015) found 47 fatalities under 8 buildings on a university campus. Sabo et al. (2016) found 27 bird fatalities over 61 days of searches under 31 windows. In San Francisco, Kahle et al. (2016) found 355 collision victims within 1,762 days under a 5-story building. Ocampo-Peñuela et al. (2016) searched the perimeters of 6 buildings on a university campus, finding 86 fatalities after 63 days of surveys. One of these buildings produced 61 of the 86 fatalities, and another building with collision-deterrent glass caused only 2 of the fatalities, thereby indicating a wide range in impacts likely influenced by various factors. There is ample evidence available to support my prediction that the proposed project would result in many collision fatalities of birds.

Project Impact Prediction

By the time of these comments, I had reviewed and processed results of bird collision monitoring at 213 buildings and façades for which bird collisions per m^2 of glass per year could be calculated and averaged (Johnson and Hudson 1976, O'Connell 2001, Somerlot 2003, Hager et al. 2008, Borden et al. 2010, Hager et al. 2013, Porter and Huang 2015, Parkins et al. 2015, Kahle et al. 2016, Ocampo-Peñuela et al. 2016, Sabo et al. 2016, Barton et al. 2017, Gomez-Moreno et al. 2018, Schneider et al. 2018, Loss et al.

2019, Brown et al. 2020, City of Portland Bureau of Environmental Services and Portland Audubon 2020, Riding et al. 2020). These study results averaged 0.073 bird deaths per m^2 of glass per year (95% CI: 0.042-0.102). This average and its 95% confidence interval provide a robust basis for predicting fatality rates at a proposed new project.

As noted above, I estimate the project would expose birds to 10,395 m^2 of glass. Given this much exposure, I predict annual bird deaths of 760 (95% CI: 451–10,069). The vast majority of these predicted deaths would be of birds protected under the Migratory Bird Treaty Act and under the California Migratory Bird Protection Act, thus causing significant unmitigated impacts. Given the predicted level of bird-window collision mortality, and the lack of any proposed mitigation, it is my opinion that the proposed project would result in significant adverse biological impacts, including the unmitigated take of both terrestrial and aerial habitat of birds and other sensitive species. There is at least a fair argument for the need to prepare an EIR to appropriately analyze the impact of bird-glass collisions that might be caused by the project.

CUMULATIVE IMPACTS

The SCEA presents a flawed cumulative impacts analysis. At page 5-73, it claims "Neither the Project Site nor any of the Related Projects are located on designated open space, conservation land, wildlife habitat, or riparian or wetland areas, and therefore no cumulative impacts associated with these designated areas would occur." In fact, the project site is located on wildlife habitat. Noriko detected 30 species of vertebrae wildlife in less than three hours of survey. It is wildlife habitat.

The SCEA adds, "In addition, the Project and the Related Projects would comply with applicable regulatory requirements and mitigation measures regarding biological resources and protected species, including the Migratory Bird Treaty Act, California Fish and Game Code, and the City's regulations regarding protected trees and the removal of street trees. As such, no significant cumulative impacts regarding biological resources would occur." However, according to CEQA Guidelines §15064(h)(3), "a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project." And "When relying on a plan, regulation or program, the lead agency should explain how implementing the particular requirements in the plan, regulation or program ensure that the project's incremental contribution to the cumulative effect is not cumulatively considerable." The SCEA provides no explanation of how implementing the regulations would minimize, avoid or offset the project's contributions to cumulative impacts. Furthermore, if compliance with existing regulations truly prevented cumulative impacts, then Smallwood and Smallwood (2023) would not have found large declines in species richness and wildlife abundance among project sites where development proceeded where the same regulations apply.

INADEQUATE MITIGATION

PMM BIO-1: Mitigation measures that can and should be implemented to reduce substantial adverse effects related to threatened and endangered species. This measure includes a list of what appears to be aspirational measures, most of which the City of Los Angeles (2024) asserts do not apply to the project.

Because wildlife occur on the project site, including special-status species, consistency with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines requires that:

a) Project design avoids occupied habitat, potentially suitable habitat, and designated critical habitat, wherever practicable and feasible.

d) Temporary access roads and staging areas will not be located within areas containing sensitive plants, wildlife species or native habitat wherever feasible, so as to avoid or minimize impacts to these species.

e) A Worker Environmental Awareness Program should be developed and implemented (environmental education) to inform project workers of their responsibilities to avoid and minimize impacts on sensitive biological resources.

f) Retain a qualified botanist to document the presence or absence of special status plants before project implementation.

g) A qualified biologist be appointed to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

h) A qualified biologist be appointed to monitor implementation of mitigation measures.

i) Schedule construction activities to avoid sensitive times for biological resources (e.g. steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

l) Conduct pre-construction surveys to delineate occupied sensitive species' habitat to facilitate avoidance.

m) Where projects are determined to be within suitable habitat and may impact listed or sensitive species that have specific field survey protocols or guidelines outlined by the USFWS, CDFW, or other local agency, conduct preconstruction surveys that follow applicable protocols and guidelines and are conducted by qualified and/or certified personnel.

PMM BIO-4: Wildlife Movement

Because wildlife occur on the project site, including special-status species, consistency with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines requires that:

d) A survey be conducted to identify active raptor and other migratory nongame bird nests by a qualified biologist at least two weeks before the start of construction at project sites from February 1 through August 31.

e) Construction activities be prohibited within 300 feet of occupied nest of birds afforded protection pursuant to the Migratory Bird Treaty Act, during the breeding season.

f) Ensure that suitable nesting sites for migratory nongame native bird species protected under the Migratory Bird Treaty Act and/or trees with unoccupied raptor nests should only be removed prior to February 1, or following the nesting season.

h) Conduct site-specific analyses of opportunities to preserve or improve habitat linkages with areas on and off-site.

j) Review of construction drawings and habitat connectivity mapping by a qualified biologist to determine the risk of habitat fragmentation.

Because the City of Los Angeles has decided not to implement most of the above measures, the SCEA is not consistent with the Sustainable Communities Strategy. The project's impacts to wildlife would be inadequately mitigated. A fair argument can be made for the need to prepare and EIR to appropriately formulate mitigation measures.

PROPOSED MEASURES

MM-BIO-1: *The Project Applicant/contractor would conduct all demolition, construction, ground disturbance, and vegetation clearing activities, including removal of the existing trees, outside of the avian breeding and nesting season (February 1–August 31) to the extent feasible. … If removal of the existing trees on and adjacent to the Project Site must occur during the nesting season, a qualified biologist is required to be present during the removal activities to ensure no active bird nests (those containing eggs or nestlings, or with juvenile birds still dependent on the nest) are impacted. The biologist must determine whether active nests are present within the trees before any actual removal activity takes place. … If any active nests are present within the trees during demolition, construction, ground disturbance, and vegetation clearing activities, the nests shall be avoided until determined by the biologist to no longer be active. The biologist shall determine appropriate avoidance buffers for any active nest based on species, nest location, and types of disturbance proposed in the vicinity of the nest.*

The SCEA misrepresents the avian breeding season; it is now recognized by the CDFW as 1 February through 15 September.

I concur with the implementation of preconstruction surveys for nesting birds, but it should be understood that preconstruction surveys are no substitute for detection surveys. It should be understood that preconstruction surveys, although warranted, actually achieve very little because most nesting birds are very difficult to locate. Preconstruction, take-avoidance surveys consist of two steps, both of which are very difficult. First, the biologist(s) performing the survey must identify birds that are breeding. Second, the biologist(s) must locate the breeding birds' nests. The first step is typically completed by observing bird behaviors such as food deliveries and nest territory defense. These types of observations typically require many surveys on many dates spread throughout the breeding season.

Finally, the mitigation language allows a single individual to make a subjective decision, outside the public's view, to determine the buffer area for any given species. This measure lacks objective criteria, and is unenforceable.

RTP/SCS Mitigation Measures

PMM BIO-1(g): *Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.*

This measure is proposed to mitigate impacts to bats. However, the measure lacks specificity to bats, would likely be implemented at the wrong time of day (not at night), and would be implemented too late to avoid impacts to bats. To be effective, a detection survey for bats needs to be completed long before construction monitoring.

PMM BIO-1(i): *Schedule construction activities to avoid sensitive times for biological resources (e.g., steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.*

This measure is inconsistent with MM-BIO-1, because MM-BIO-1 allows for construction to commence during the avian breeding season. For these measures to be consistent, MM-BIO-1 needs to be revised to very clearly prohibit construction during the avian breeding season.

RECOMMENDED MEASURES

Guidelines on Building Design to Minimize Bird-Window Collisions: If the Project goes forward, it should adhere to available Bird-Safe Guidelines, such as those prepared by American Bird Conservancy and New York and San Francisco. The American Bird Conservancy (ABC) produced an excellent set of guidelines recommending actions to: (1) Minimize use of glass; (2) Placing glass behind some type of screening (grilles, shutters, exterior shades); (3) Using glass with inherent properties

to reduce collisions, such as patterns, window films, decals or tape; and (4) Turning off lights during migration seasons (Sheppard and Phillips 2015). The City of San Francisco (San Francisco Planning Department 2011) also has a set of building design guidelines, based on the excellent guidelines produced by the New York City Audubon Society (Orff et al. 2007). The ABC document and both the New York and San Francisco documents provide excellent alerting of potential bird-collision hazards as well as many visual examples.

New research results inform of the efficacy of marking windows. Whereas Klem (1990) found no deterrent effect from decals on windows, Johnson and Hudson (1976) reported a fatality reduction of about 69% after placing decals on windows. In an experiment of opportunity, Ocampo-Peñuela et al. (2016) found only 2 of 86 fatalities at one of 6 buildings – the only building with windows treated with a bird deterrent film. At the building with fritted glass, bird collisions were 82% lower than at other buildings with untreated windows. Kahle et al. (2016) added external window shades to some windowed façades to reduce fatalities 82% and 95%. Brown et al. (2020) reported an 84% lower collision probability among fritted glass windows and windows treated with ORNILUX R UV. City of Portland Bureau of Environmental Services and Portland Audubon (2020) reduced bird collision fatalities 94% by affixing marked Solyx window film to existing glass panels of Portland's Columbia Building. Many external and internal glass markers have been tested experimentally, some showing no effect and some showing strong deterrent effects (Klem 1989, 1990, 2009, 2011; Klem and Saenger 2013; Rössler et al. 2015). For example, Feather Friendly® circular adhesive markers applied in a grid pattern across all windows reduced bird-window collision mortality by 95% in one study (Riggs et al. 2023) and by 95% in another (de Groot et al. 2021). Another study tested the efficacy of two filmshades to be applied exteriorly to windows prior to installations: BirdShades increased bird-window avoidance by 47% and Haverkamp increased avoidance by 39% (Swaddle et al. 2023).

Monitoring and the use of compensatory mitigation should be incorporated at any new building project because the measures recommended in the available guidelines remain of uncertain efficacy, and even if these measures are effective, they will not reduce collision fatalities to zero. The only way to assess mitigation efficacy and to quantify post-construction fatalities is to monitor newly constructed buildings or homes for fatalities.

Fund Wildlife Rehabilitation Facilities: Compensatory mitigation ought also to include funding contributions to wildlife rehabilitation facilities to cover the costs of injured animals that will be delivered to these facilities for care. Many animals would likely be injured by collisions with automobiles and windows and by depredation attempts by house cats and dogs.

Thank you for your attention,

Shawn Smallwood, Ph.D.

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Attachment C:

Protected Tree Arborist Report

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Protected Tree Report

Project Address:

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Prepared For:

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Prepared By:

Ted Lubeshkoff
Registered Consulting Arborist

August 31, 2023

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Summary

Aragon Properties plans to develop a vacant lot at 1185 Sunset Boulevard in Los Angeles by constructing two seven-story, 327-unit mixed-use commercial and residential buildings, which will include 41 very-low-income residential units and 9,462 square feet of commercial space. The project is seeking an entitlement request as part of the City of Los Angeles Planning Department's **Density Bonus**[1] incentive program for a Floor Area Ratio increase and a building height increase. There are seven street trees on the project site which are protected by Los Angeles Municipal Code **Chapter VI, Article 2, Section 62.161**. The City of Los Angeles Preservation of Protected Trees Ordinance 186,873 requires a Protected Tree Report be submitted outlining how the **Protected Trees** will be protected during the development project. No protected street trees will be removed for this project.

JTL Consultants conducted an inspection of the project site on August 16, 2023 and inventoried seven Mexican fan palms (*Washingtonia robusta*) on Sunset Boulevard. There are no Protected Tree and Shrub species, listed in the Preservation of Protected Trees Ordinance 186,873, on the project site.

The seven Mexican fan palms will be protected during the development project by installing tree protection fencing around the trees. The project arborist will be on-site when the tree protection fencing is installed and if any work takes place within the fenced enclosures.

Introduction

Background

Aragon proposes to build two seven-story, mixed-use commercial and residential buildings on a vacant lot at 1185 Sunset Boulevard Los Angeles, CA 90026. The buildings will have 327 residential units, 41 of which will be used for very low-income households. There will be approximately 9,462 square feet of ground-floor commercial space. The lot is 107,170 square feet and the proposed buildings will have a total floor area of 321,300 square feet. The City of Los Angeles Planning Department's Density Bonus is a local incentive program designed to encourage the production of on-site affordable housing. Density Bonus Project Entitlement Requests include an On-Menu Incentive for the increase in the floor area ratio and an Off-Menu Incentive for an increase in the maximum building height. There are seven Mexican fan palm street trees on the property that are protected by Los Angeles Municipal Code, Section 62.162. Los Angeles Ordinance 186,873 requires a Protected Tree Report be submitted describing how the seven street trees will be protected during construction. Jeff Farrington from Aragon Properties requested JTL Consultants write a Protected Tree Report for this project and JTL Consultants inventoried the trees on August 16, 2023.

[1] Terms appearing in boldface type are defined in the Glossary

Assignment

JTL Consultants' assignment was to identify all Protected Trees on the project site and write a Protected Tree Report outlining how the Protected Trees will be protected during construction. This report will comply with the City of Los Angeles Protected Tree Ordinance 186,873.

Limits of Assignment

This report is based solely on a visual inspection of the site and trees on August 16, 2023 and a review of the project plans provided by Aragon Properties. The tree inspections were limited to ground level visual observations. Root crown inspections, aerial inspections, Tree Risk Assessments, and Tree Appraisals were not included in this assignment.

Purpose and Use of the Report

The purpose of this report is to identify the Protected Trees on the project site and outline how the trees will be protected during the construction project. This report is intended to be used by Aragon Properties to implement the recommendations outlined in it. Upon submission, this report will become the property of Aragon Properties and its use will be at their discretion.

Observations

Site Description

The project site is located at 7979 Sunset Boulevard on the corner of Everett Street, in the Silver Lake-Echo Park-Elysian Valley Community Plan area of the City of Los Angeles, in the County of Los Angeles. The site is southwest of Dodger Stadium, northwest of the 110 Freeway, northeast of the 101 Freeway, and southeast of Echo Park. Griffith Park, the Griffith Observatory, the Greek Theatre, and the Hollywood Bowl are northwest of the project site. There are mixed commercial and retail businesses along Sunset Boulevard. The surrounding neighborhoods are comprised of single-family residences and apartment buildings. The project site is a vacant lot covered with several hundred tree-of-heaven trees (*Ailanthus altissima*) and various weeds. There are seven Mexican fan palm street trees in sidewalk openings on Sunset Boulevard. There are no Protected Tree and Shrub species listed in the Preservation of Protected Trees Ordinance 186,873 on the project site. (Appendix A – Tree Location Map, Appendix B – Photos, and Attachment – Site Plan)

Tree Descriptions

In the following table, the tree numbers correspond to an aluminum number tag attached to the trunk of each tree and referenced on the Tree Location Map, Photos, and Site Plan. The photo letters correspond to those shown in Photos. The trees are street trees, non-native, and intentional ornamental plants. All trees will be preserved.

	Tree #	Scientific Name Common Name	Photo	Size	Cond.	Comments
1	721	*Washingtonia robusta* Mexican fan palm	A	**DBH**: 20” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Mechanical damage. Graffiti on trunk.
2	722	*Washingtonia robusta* Mexican fan palm	A	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Graffiti on trunk. **Adventitious** roots.
3	723	*Washingtonia robusta* Mexican fan palm	B	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Mechanical damage. Graffiti on trunk.
4	724	*Washingtonia robusta* Mexican fan palm	B	DBH: 18” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Graffiti on trunk. Adventitious roots.
5	725	*Washingtonia robusta* Mexican fan palm	B	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Graffiti on trunk. Cavity in lower trunk.
6	726	*Washingtonia robusta* Mexican fan palm	C	DBH: 19” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Graffiti on trunk. Small palm growing at base of tree.
7	727	*Washingtonia robusta* Mexican fan palm	C	DBH: 20” Hght: 100’ Wt.: 10’	Fair	Curved trunk. Mechanical damage. Hourglass trunk width.

Discussion

Mechanical Damage

Additional mechanical damage to the Mexican fan palm street trees could occur during the construction.

Wounds to tree branches and trunks caused by mechanical damage may reduce tree stability by decreasing the wood strength, the internal movement of water and nutrients, and the ability to defend against decay. Protecting the trees with fencing will help prevent damage from construction. (Matheny, et al, 1998 and Fite, Kelby, and Smiley, 2008)

Change in Grade

The grade will not be lowered or raised within the **dripline** of the Mexican fan palm street trees during construction.

The lowering or raising of the grade within the dripline can damage or kill a tree. The normal exchange of moisture and gases within the dripline is disrupted with the change in grade. The original grade should be maintained as far out from the trunk as possible. The change in grade can have immediate or long-term adverse effects on the tree. (Matheny and Clark, 1998)

Trenching

Trenching within the dripline of the Mexican fan palm street trees will not occur during construction.

Trenching within the dripline can damage the root system of a tree and lead to tree decline or death. Ninety percent of the fine roots that absorb water and minerals are found in the upper few inches of soil. Roots require space, air, and water, and grow best where these requirements are met, which is usually at or near the soil surface. When roots are cut due to trenching, the cut should be clean, leaving no torn edges. Tunneling and bridging should be used to preserve roots wherever possible, underground lines should occupy common trenches. (Matheny, et al, 1998)

Soil Compaction

Soil compaction could occur within the dripline of the two Mexican fan palm street trees during construction.

Soil compaction occurs when the pore space between soil particles is greatly reduced. This causes the reduction of oxygen available to the roots and can lead to decline in trees. Use of equipment, grading, digging, and heavily used walking paths can cause soil compaction in a construction area. Use of protective fencing, mulching within the protective fencing, and limiting the amount of access routes will minimize soil compaction. (Fite, et al, 2008)

Conclusion

Aragon Properties plans to build two seven-story, 327-unit mixed-use commercial and residential buildings on a vacant lot at 1185 Sunset Boulevard which will include 41 very-low-income residential units and 9,462 square feet of commercial space. Jeff Farrington from Aragon Properties contacted JTL Consultants to write a Protected Tree Report for this project. JTL Consultants inventoried seven street trees at the project site on August 16, 2023. The street trees are protected by the Los Angeles Municipal Code, Section 62.162. No trees are proposed to be removed. There are no Protected Tree and Shrub species listed in the Preservation of Protected Trees Ordinance 186,873 on the project site. The recommendations will be followed to minimize the impacts of the construction activities on the street trees.

Recommendations

1. Install tree protection fencing around the street trees at locations shown on the Site Plan.
    a. Chain-link fencing will be at least five-feet tall. This fencing will remain in place through the duration of the construction. Orange flexible fencing will not be used.
    b. The fencing will not be moved at any time for construction work unless the work is supervised by the project arborist.
    c. Within the fenced enclosures, no digging, trenching, soil compaction, or other soil disturbance will be allowed, and the fenced enclosures will be kept clear of building materials, waste, and excess soil.
2. Remove small palm from the base of Tree 726.
3. For aesthetics, the developer may want to consider removing graffiti from palm trunks.
4. The project arborist will be on-site when the tree protection fencing is installed and if any excavation, drilling, demolition, or backfilling takes place within the fenced enclosures of the three street trees. The project arborist will also make periodic site visits to ensure the tree protection fencing is in place and to monitor the condition of the trees.

Glossary

Adventitious Roots: fibrous primary roots that grow independently and periodically from the tree roots.

Condition: one of four possible ratings:
Good - no apparent **defects** or structural problems
Fair - minor defects or structural problems
Poor - major defects or structural problems
Dead - extreme defects or structural problems

DBH: diameter of a tree trunk measured at 4 ½ feet above ground.

Defect: an internal or external point of weakness which can reduce the stability of the tree and include cracks, splits, cankers, galls, girdling, codominant limbs, and wounds.

Density Bonus: a Los Angeles City Planning local incentive program designed to encourage the production of on-site affordable housing in neighborhoods where multi-family zoning is allowed. Along with the City's Transit Oriented Communities Incentive Program, the Density Bonus Program is Los Angeles's biggest driver in producing mixed-income and 100% affordable housing.

Qualifying Density Bonus projects can select from a number of pre-vetted "on-menu" incentives or request the approval of "off-menu" waivers of development standards, in addition to a density increase of up to 35% and a reduction in parking requirements. These incentives apply to projects that seek a limited increase in allowed height, floor area, and lot coverage, along with reductions to yard/setback, open space, and lot width requirements. Developers can request off-menu incentives and waivers of development standards beyond the incentives of State Density Bonus Law.

Dripline: imaginary line defined by the branch spread of a single plant or group of plants, projected onto the ground. Roots are usually found within the dripline but can extend beyond the edge of the dripline.

Los Angeles Municipal Code Chapter VI, Article 2, Section 62.161

Chapter VI, Public Safety and Protection
Article 2, Streets and Sidewalks
Section 62.161, Planting, Maintenance, and Care of Plants in City Streets -Jurisdiction of the Board

The Board of Public Works, through its authorized officers and employees, shall exercise jurisdiction and control over the planting, maintenance and care of trees, plants, and shrubs in all streets of the City.

Protected Tree

The City of Los Angeles Preservation of Protected Trees, Ordinance 186,873, Section 46.01 defines a Protected Tree or Shrub as any tree or shrub within the City of Los Angeles that one of the following southern California native species, which measure four inches or more in cumulative diameter, four and one-half feet above ground:

- Any Oak tree including Valley Oak (*Quercus lobata*) and California Live Oak (*Quercus agrifolia*), or any other tree of the oak genus indigenous to California but excluding the Scrub Oak (*Quercus berberidifolia*)
- Southern California Black Walnut (*Juglans californica var. californica*)
- Western Sycamore (*Platanus racemosa*)
- California Bay (*Umbellularia californica*)
- Mexican Elderberry (*Sambucus mexicana*)
- Toyon (*Heteromeles arbutifolia*)

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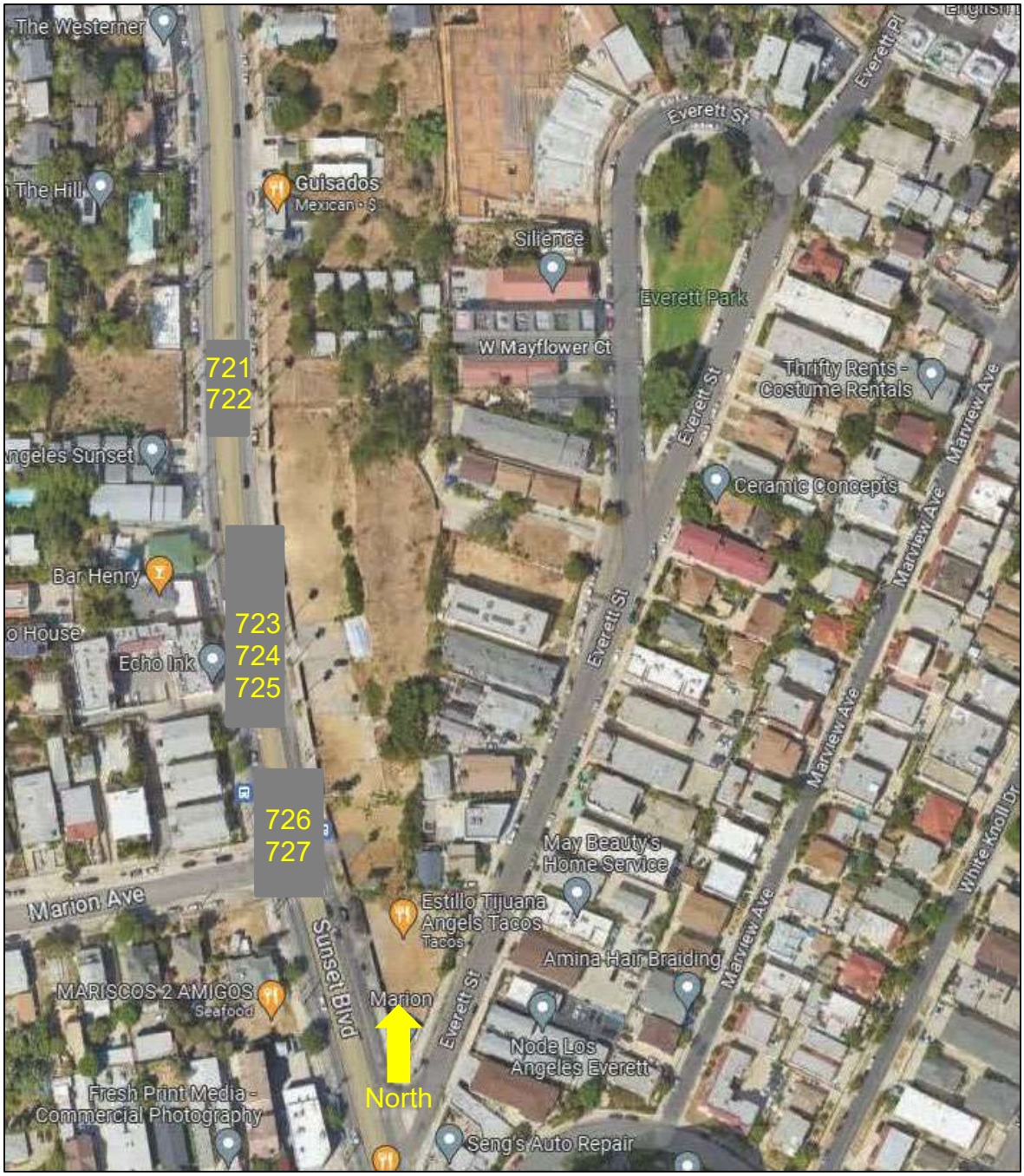
Matheny, Nelda and Clark, James R., *Trees and Development: A Technical Guide to Preservation of Trees during Land Development*, International Society of Arboriculture, Champaign, IL 1998.

Appendix A – Tree Location Map



Appendix B – Photos

All trees are Mexican fan palms (*Washingtonia robusta*) and are protected street trees.

Photo A, facing southeast, showing Trees 721 and 722 at the northern end of the property.

Photo B, facing southeast, showing Trees 723, 724, and 725 in the middle of the property.

Photo C, facing southeast showing Tree 726 on the northeast corner of Sunset Boulevard and Marion Avenue, and Tree 727 on the southeast corner of Sunset Boulevard and Marion Avenue.

Appendix C - Assumptions and Limiting Conditions

1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable.

2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible for the accuracy of information provided by others.

3. The consultant/appraiser shall not be required to give testimony or attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services as described in the fee schedule and contract of engagement.

4. Loss or alteration of any part of this report invalidates the entire report.

5. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written consent of the consultant/appraiser.

6. This report and values expressed herein represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.

7. Sketches, diagrams, graphs, and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys.

8. The tree locations in this report are not represented to be of survey quality but are sufficient to allow locating the tree in the field.

9. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the trees or property in question may not arise in the future.

10. Unless specifically stated, Tree Risk Assessments were not conducted on the trees described in this report and JTL Consultants is not responsible for the consequences of any risk associated with the trees, either inferred or implied.

Appendix D - Certificate of Performance

I, Ted Lubeshkoff, certify:

- ✓ That I have personally inspected the tree(s) referred to in the report and have stated my findings accurately. The extent of the evaluation is stated in the attached report;
- ✓ That I have no current or prospective interest in the vegetation or the property that is the subject of this report and have no personal interest or bias with respect to the parties involved;
- ✓ That the analysis, opinions and conclusions stated herein are my own and are based on current scientific procedures and facts;
- ✓ That my analysis, opinions and conclusions were developed, and this report has been prepared according to commonly accepted arboriculture practices;
- ✓ That no one provided significant professional assistance to me, except as indicated within the report;
- ✓ That my compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results if the assignment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I, Ted Lubeshkoff, am Registered Consulting Arborist #513 with the American Society of Consulting Arborists, and Certified Arborist WE-8446A with the International Society of Arboriculture. I have been involved in the practice of arboriculture and the care and study of trees for over 25 years.

Signed Date: 8/31/2023

Appendix E - Qualifications

TED LUBESHKOFF

Registered Consulting Arborist and Principal
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Ted Lubeshkoff is a Registered Consulting Arborist, a Certified Arborist, Tree Risk Assessment Qualified. He has worked on public utility projects with various companies including Southern California Edison, Pacific Gas and Electric, Southern California Gas Company, California American Water, and Los Angeles Metropolitan Transit Authority.

EDUCATION

Utah State University – Logan, UT College of Natural Resources, 1981-1985
University of La Verne – La Verne, CA – Bachelor of Arts Natural History, 1988

CERTIFICATIONS

- Registered Consulting Arborist #513, American Society of Consulting Arborists
- Certified Arborist WE-8446A, International Society of Arboriculture
- Qualified Tree Risk Assessor, International Society of Arboriculture

PROFESSIONAL SERVICE

- American Society of Consulting Arborists – American Forests “Ask an Arborist”
- International Society of Arboriculture – Proctor for Certified Arborist Exam
- Western Chapter of ISA – Co-chair Consulting Arborist Committee
- Street Tree Seminars – Executive Board Director

PROFESSIONAL OUTREACH

City of Duarte Arbor Day Tree Planting, October 12, 2019
Instructed and oversaw the planting of trees in Royal Oaks Park by volunteers.

PRESENTATIONS AND PUBLICATIONS

Facilitated Roundtable Discussion on *The Business Side of Consulting* , February 23, 2023.

Article: *Codes of Ethics and Standards of Professional Practice*. Western Arborist. Fall 2021.

City of Duarte Tree Care Workshop, September 7, 2019
Discussed soil information, photosynthesis, tree species identification and diversity, proper tree planting, irrigation techniques, proper tree placement, tree diseases.

Western Tree Failure Database Conference, March 28, 2019
Discussed the failure of an Italian Stone Pine (*Pinus pinea*) at the Kidspace Museum in Pasadena, California on July 28, 2015

Example Reports for Consulting Arborists, 3rd Edition, American Society of Consulting Arborists, 2013, 9707 Key West Avenue, Suite 100, Rockville, MD 20850

NOTABLE PROJECTS

LA Metro G-Line Bike Path Tree Damage Assessments June 2023

Assessed 90 trees causing damage to the bike path, mapped the trees using ArcGIS software, and wrote a Tree Assessment Report making recommendations to repair the asphalt damage, while preserving the majority of the trees.

Annual Inspection of a Historic Valley Oak, City of Westlake Village, April 2023

Inspected the Aspenview Court valley oak to determine if there were dead branches in the canopy and decay in the root crown and to make pruning recommendations.

LA Metro G-Line Busway Rapid Transit Improvements Project, March 2023

Assessed 13 trees within the busway that could be impacted by 42 utility potholing locations, mapped the trees and boring locations using ArcGIS software, and wrote a Tree Assessment Report making recommendations to protect the trees during the potholing.

LA Metro G-Line Busway Rapid Transit Improvements Project, January 2023

Evaluated 38 trees within the busway that could be impacted by 88 geotechnical boring locations, mapped the trees and boring locations using ArcGIS software, and wrote a Tree Assessment Report making recommendations to protect the trees during the boring.

Stephen Wise Temple School, Los Angeles, July 2022

Wrote a Protected Tree Report for the City of Los Angeles Urban Forestry Division outlining tree protection measures for Protected Trees during the construction of a new Early Childhood Center and a fire access road.

CA American Water, Las Lomas Booster Pump Station, Duarte, September 2022

Wrote a Tree Protection Report for the City of Duarte outlining how Protected mature eucalyptus trees will be preserved during booster pump station improvements.

Southern California Gas Company Pipeline Replacement, La Canada, May 2022

Wrote a Tree Protection Report for the City of La Canada Flintridge outlining tree protection measures for Protected Trees on private property during a gas pipeline replacement project. Monitored tree protection measures during construction.

UCLA Campus-Wide Tree Risk Assessments, September 2021 to April 2022

Conducted International Society of Arboriculture Tree Risk Assessments of over 1,000 trees throughout the campus as part of the development of a Master Landscape Plan and wrote a Tree Risk Assessment Report. Tree Location and Risk Information was collected using a GIS-based database software.

California High-Speed Rail Construction Project, April 2022

Wrote a Tree Evaluation Report outlining the impacts a 1,620-foot underground utility trenching could have on a privately-owned almond orchard.

Southern California Gas Company Valve Automation, Granada Hills, February 2022

Wrote a Protected Tree Report for the City of Los Angeles Urban Forestry Division to show how a Protected Tree on private property will be protected during an underground gas pipeline valve automation project.

LA Metro Westside Purple Line Extension Project, December 2021

Evaluated 19 trees that could be impacted by utility confirmatory potholing excavations on the West Los Angeles Veterans Affairs Medical Center property and wrote a Tree Assessment Report outlining recommendations to protect the trees during potholing.

LA Metro and LA County Beaches and Harbors, Bus Turnaround August 2021

Wrote a Tree Assessment Report detailing impacts that could occur to trees and shrubs through the modification of a public parking lot to accommodate a bus turnaround loop, evaluating trees that might be disturbed during the project, and recommending mitigation measures for any risks identified.

LA Metro Westside Purple Line Extension Project, November 2020 to Present

Provide arborist support services including third-party report reviews of construction contractor-prepared documents and conduct tree inventories and nesting bird surveys. Write Tree Inventory and Nesting Bird Reports.

Tree Risk Assessment of a Historic Valley Oak, City of Agoura Hills, August 2020

Conducted a Tree Risk Assessment on a valley oak near the corner of Kanan Road and Agoura Road that had a major limb loss and made recommendations to mitigate the loss.

Los Angeles Regional Interoperability Communications System Land Mobile Radio System, Topanga Peak, Santa Monica Mountains Los Angeles County, August 2020

Wrote an Oak Tree Report to apply for a Coastal Development Oak Tree Report from the Los Angeles County Department of Regional Planning to show how 12 coast live oaks (*Quercus agrifolia*) within a 100-foot buffer around the project site will be protected during replacement of existing equipment and installation of new communications equipment.

Southern California Gas Company Pipeline Repair Project, Sepulveda Community Gardens, Encino, June 2020 to August 2020

Wrote Protected Tree Reports for the City of Los Angeles Recreation and Parks Department and the City of Los Angeles Urban Forestry Division to show how Protected Trees will be protected during underground gas pipeline repairs. Monitored during construction to ensure tree protection measures were adhered to.

Decay Testing and Tree Risk Assessment of a Historic Valley Oak, City of Westlake Village, November 2019

Conducted resistance drilling testing using a Resistograph® tool to measure the relative density of wood in the trunk of a valley oak and conducted a Tree Risk Assessment identifying, analyzing, and evaluating the risk of the tree.

Tree Risk Assessments, City of El Monte Public Works, El Monte, August 2019

Conducted Tree Risk Assessments on 29 mature lemon-scented eucalyptus trees in the center median planters of Garvey Avenue.

Protected Tree Report, Las Virgenes Municipal Water District, Chatsworth, July 2019

Wrote a Protected Tree Report showing how 56 trees that have Protected status will be protected during the Twin Lakes Pump Station Pipeline Installation Project.

The American Society of Consulting Arborists

in recognition of fulfillment of the requirements for

Registered Consulting Arborist® status

confers upon

Ted Lubeshkoff, RCA #513

Registered Membership

12/19/2011

Dr. James R. Clark, RCA #357
President

Both W. Palys, FASAE,CAE
Executive Director

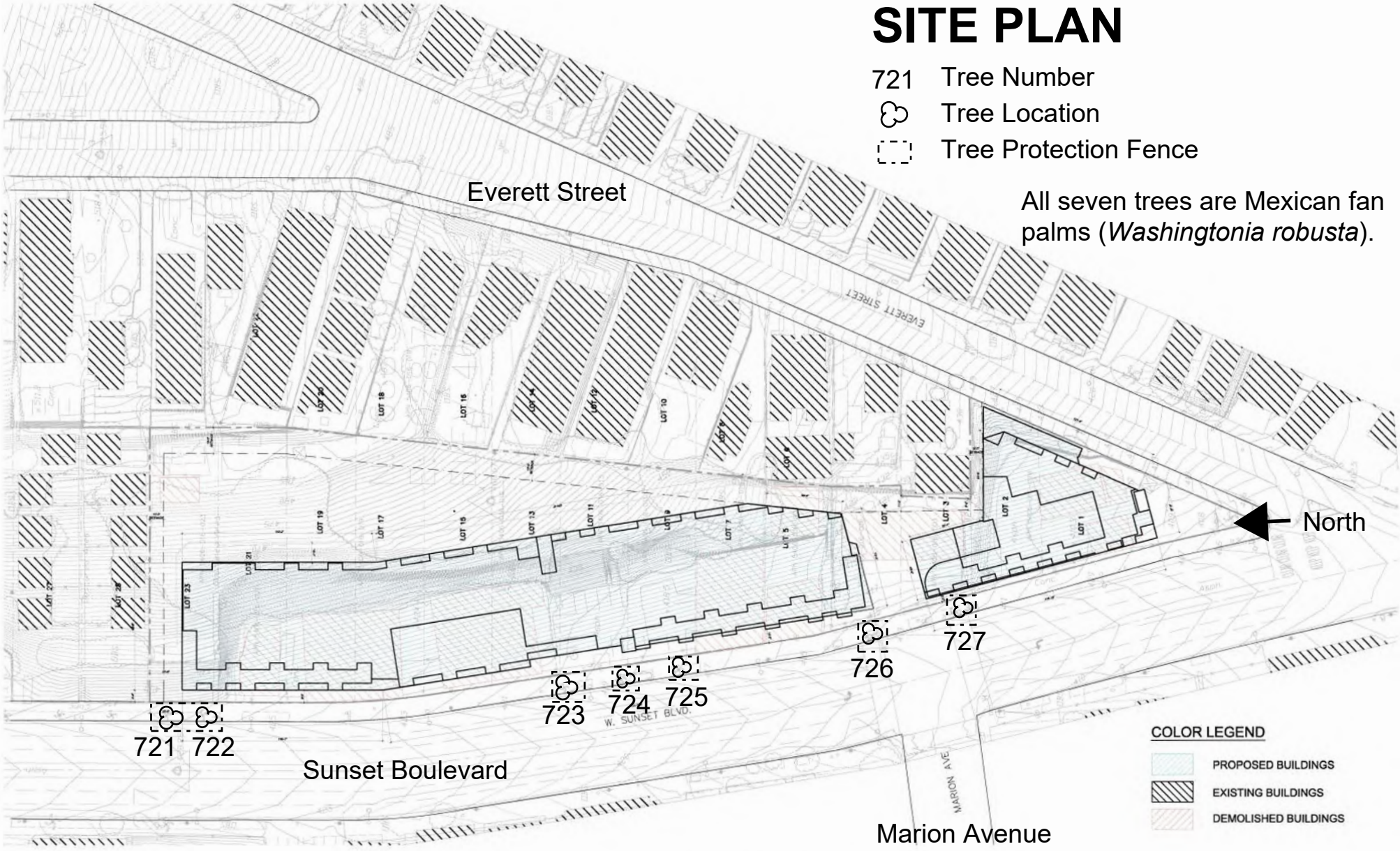
SITE PLAN

721 Tree Number

Tree Location

Tree Protection Fence

All seven trees are Mexican fan palms (*Washingtonia robusta*).



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SUNSET & EVERETT
LOS ANGELES, CALIFORNIA # 2022-0634

CONCEPT DESIGN // PIXEL
JULY 5, 2023

0 15 30 60

This Site Plan is an attachment to a Protected Tree Report, dated August 31, 2023, prepared by JTL Consultants, Consulting Arborists, Duarte, CA (626) 358-5690 JTLconsultants.com

Attachment D:

South Environmental Biologist's Resumes

Email: msouth@southenvironmental.com
Mobile: 303-818-3632

Matthew South

PRINCIPAL BIOLOGIST

EDUCATION

B.S., Wildlife Ecology, University of Wisconsin-Madison, 2004

CERTIFICATIONS

Certified Wildlife Biologist, The Wildlife Society 2014

Certified Technical Service Provider (TSP) for Fish and Wildlife Management Plans, USDA NRCS 2017

Authorized Desert Tortoise Biologist – Numerous BOs

Unmanned Aircraft System Pilot Certification, FAA #4177603

TRAINING

Wetland Delineation Training Course – The Wetland Institute (2014)

Southwest Willow Flycatcher Workshop, 2017

USGS Desert Tortoise Health Assessment and Tissue Collection Techniques Training, 2009

Matthew South founded South Environmental in 2018. He is a certified wildlife biologist with over 18 years of professional experience providing natural resources consulting services for a wide variety of clients that include residential, commercial, government, utility, infrastructure, research, and non-profit projects. For the last 15 years, Mr. South has been an environmental consultant in southern California acting as a Wildlife Biologist and Geographic Information System (GIS) Analyst. In early 2018 he started South Environmental and has since been supporting clients in Los Angeles, Ventura, Santa Barbara, San Bernardino, and Riverside Counties.

Mr. South's background in ecology has led to a passion for conservation planning and resources assessments for the purpose of preservation and management. The integration of the latest technologies such as advanced GIS systems, mobile computing, and drone sensing allows him to innovate new data collection, analysis, and collaboration tools for the environmental sciences that produce more accurate data and better-informed resource managers.

EXPERTISE

- **Conservation and Management Planning.** Mr. South's has extensive experience preparing mitigation and monitoring plans, habitat conservation plans, and technical biological resources management plans that are compliant with federal, state, and local regulations. Mr. South is the only active NRCS TSP for Fish and Wildlife Plans Certified in California.
- **Biological Resources Assessment.** Mr. South has completed dozens of biological resources assessments throughout southern California.
- **Rare Plants and Arborist Services.** Mr. South has surveyed and assessed thousands of native and landscaped trees in southern California. He is a certified arborist with 5-years of tree survey experience working closely with some of the most experienced arborists in California. In addition, he has performed hundreds of hours of rare plant surveys and habitat assessments.
- **Wetland & Jurisdictional Delineations.** Mr. South has conducted dozens of jurisdictional and wetland delineations per the guidelines and methods from the US Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), and the state Regional Water Quality Control Boards (RWQCB).
- **GIS.** Mr. South is an expert at spatial data collection and analysis using ESRI mobile and desktop software products and Trimble hardware.

SELECT PROJECT EXPERIENCE

St. Andrews Recreation Center Project, City of Los Angeles Department of Recreation and Parks, California (2023). South Environmental was retained to conduct a Biological Resources Assessment (BRA) and Tree Survey Report for the St. Andrew's Recreation Center at 8701 S St. Andrew's Place in the City of Los Angeles, California for development on one parcel (Assessor's Identification Number [AIN] 6036-009-900) owned by the City of Los Angeles and administered by the Department of Recreation and Parks (RAP). The parcel (study area) is in the Empowerment Congress Southwest Area Neighborhood Council in the south-central part of the City and within the South Los Angeles Community Plan Area. This report identified sensitive or protected biological resources on the parcel and indicated the regulations governing these resources. The biological resources of the parcel was assessed based on a literature review and a field site survey. The Tree Report included a description of the survey area; methods used to survey the trees involving assessment of tree structure, health, and mapping; and the results of the survey including photographs of each tree.

Bronson Canyon Playground Project, City of Los Angeles Department of Recreation and Parks, California (2023). South Environmental was retained to prepare a BRA, jurisdictional delineation, and rare plant survey for the City of Los Angeles RAP Bronson Canyon Playground Project located at 3200 Canyon Drive in the City of Los Angeles, California, for the proposed construction of a playground and access improvements including a new pedestrian walkway on a parcel owned by the City of Los Angeles in Griffith Park with the Assessor's Identification Number [AIN] 5583-025-900. The BRA identified and assessed the potential impacts to sensitive or protected biological resources on the project site (development areas and associated work areas), indicated the regulations governing these resources, and discussed recommendations for avoiding or mitigating these impacts. The biological resources of the project site were assessed based on a literature review and a field site survey.

Bell Creek Brush Clearance Project, City of Los Angeles Department of Recreation and Parks, California (2023). South Environmental was retained to prepare an Invasive Plant Treatment and Monitoring Plan (plan) detailing the proposed actions to compensate for the temporary impacts to plant communities from the Bell Creek Brush Clearance Project under a Lake and Streambed Alteration Agreement. The implementation of the plan was consistent with measures included in that agreement, including measure 2.22 regarding invasive species management being conducted to ensure protection of the existing wildlife habitat. Implementation of clearance activities under the plan were designed to reduce the presence of and prevent the spread of non-native and invasive plant species within the Bell Creek area. The plan outlined monitoring and treatment methods to control the spread of non-native and invasive plant species in the project treatment areas and identified priority species and priority treatment areas to focus efforts and resources toward achieving the final success criteria. The biological resources of the parcel were assessed based on a literature review and a field site survey.

Various Locations, WEAP Trainings and Nesting Bird Surveys, City of Los Angeles Department of Recreation and Parks, California (2023). South Environmental was retained to provide Worker Environmental Awareness and Protection (WEAP) Trainings, field survey, monitoring, and reporting, for several City of Los Angeles RAP locations. South Environmental prepared a contractor education brochure in English and Spanish that provided information on protecting nesting birds and included pictures of sensitive plants and wildlife (particularly bats) occurring within the project areas. South Environmental also conducted environmental awareness training to Department inspectors, contractors, and subcontractors at the project site prior to the start of brush clearance activities. South Environmental also conducted as-needed nesting bird surveys, established buffer zones, and performed biological monitoring in response to the presence of active

nests. A brief letter report to RAP was prepared to document field observations, protective measures implemented, and the overall success of the measures.

Sepulveda Basin Prescribed Burn Project, City of Los Angeles Department of Recreation, Los Angeles, California (2022). South Environmental was retained to prepare a burrowing owl survey report for use by the City of Los Angeles RAP for the proposed prescribed burning of approximately 86.49 acres of undeveloped areas on the Sepulveda Basin Apollo XI/Valley Fliers Airfield and adjacent lands. Several active burrowing owl (*Athene cunicularia*) burrows were identified in October 2021 (survey area) during general surveys conducted to support the project in the early planning phase. This report was prepared according to Appendix C and Appendix D of the 2012 Staff Report on Burrowing Owl Mitigation. The report included a description of the project, biological setting, vegetation communities, survey methodology, and survey results that include burrowing owl behavior observations, and recommendations for project implementation that would avoid impacts to burrowing owls and active burrows.

Various Biology Reports within City of Los Angeles (2019-present). Mr. South has prepared and overseen the preparation of dozens of biological resources assessment reports within the City of Los Angeles. These reports are prepared within the range of the population of mountain lions that is the target of the listing status, in the Santa Monica Mountains, San Gabriel Mountains, Simi Hills, and Verdugo Hills. Numerous other projects have been completed that are not listed. Select Projects include:

- Baseline Road in LaVerne
- Altadena Hills Project
- 16 Beverly Park
- 64 Beverly Park
- 74 Beverly Park
- 79 Beverly Park
- Toyopa Drive
- Mapleton Drive
- Tigertail
- 680 Sarbonne
- 777 Sarbonne
- Stradella Road
- Tower Grove
- Bella Drive
- Chautauqua Boulevard
- Benedict Canyon
- Haslam Terrace
- Summitridge Drive
- Rial Lane
- Outpost Ave
- Pasquera
- Beverly Grove
- Multiple Granito Drive Projects
- Floral and Electra Drive Project
- Hillside
- Magnolia
- Swallow
- Sierra Mar
- Beverly Grove
- Stradella
- Chalon Road
- Moraga
- Brentridge
- Viewcrest
- Old Chimney Road
- Multiple Developments on Mulholland Highway
- Berkley Hall School Project
- Charmel Lane
- Paseo Miramar Roadway Project
- Posetano-Revello Project
- Palmera
- Shadow Mountain Drive
- Astral Project
- Nofral Road Projects
- San Onofre Drive
- Crescent Drive

EXHIBIT D

Public Correspondence

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Via Email

April 15, 2024

Esther Ahn
City Planner
Expedited Processing
City Planning Department
City of Los Angeles
201 N. Figueroa Street, 4th Floor
Los Angeles, CA 90012
Esther.ahn@lacity.org

Re: Comment on Sustainable Communities Environmental Assessment, Sunset and Everett Project (ENV-2023-5529-SCEA)

Dear Ms. Ahn:

This comment is submitted on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the Sustainable Communities Environmental Assessment ("SCEA") prepared for the Sunset and Everett Project (ENV-2023-5529-SCEA) ("Project"), which proposes construction of two 7 story mixed-use residential and commercial buildings with a total of 327 residential units and 263 on-site parking spaces: one subterranean, one partially subterranean, and one at-ground and above-grade level on a vacant asphalted parcel located at 1185 Sunset Boulevard; 1185, 1187, 1193, 1195, 1197, 1201, 1205, 1207, 1211, 1215, 1221, 1225,1229, 1233, 1239, 1243, 1245, 1247 W. Sunset Boulevard and 917 N. Everett Street in the City of Los Angeles.

SAFER is concerned that the SCEA fails to adequately analyze the Project's potentially significant environmental impacts, and fails to impose all feasible mitigation measures to reduce the Project's impacts. SAFER requests the Plannning Development Department prepare an environmental impact report ("EIR") for the Project rather than a SCEA.

SAFER reserves the right to supplement these comments throughout the administrative process. *Galante Vineyards v. Monterey Peninsula Water Management Dist*., 60 Cal. App. 4th 1109, 1121 (1997).

I. LEGAL BACKGROUND

Sustainable Communities Environmental Assessment under SB 375.

CEQA allows for the streamlining of environmental review for "transit priority projects" meeting certain criteria. Pub. Res. Code §§ 21155, 21155.1, 21155.2. To qualify as a transit priority project, a project must

> (1) contain at least 50 percent residential use, based on total building square footage and, if the project contains between 26 percent and 50 percent nonresidential uses, a floor area ratio of not less than 0.75;
> (2) provide a minimum net density of at least 20 dwelling units per acre; and
> (3) be within one-half mile of a major transit stop or high-quality transit corridor included in a regional transportation plan.

Pub. Res. Code § 21155(b). A transit priority project is eligible for CEQA's streamlining provisions where,

> [The project] is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy, for which the State Air Resources Board . . . has accepted a metropolitan planning organization's determination that the sustainable communities strategy or the alternative planning strategy would, if implemented, achieve the greenhouse gas emission reduction targets.

Pub. Res. Code § 21155(a). In 2020, the Regional Council for the Southern California Association of Governments ("SCAG") formally adopted the Connect SoCal 2020–2045 Regional Transportation Plan/Sustainable Communities Strategy ("2020 RTP/SCS"), which was accepted by CARB on October 30, 2020.

If "all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports and adopted in findings made pursuant to Section 21081" are applied to a transit priority project, the project is eligible to conduct environmental review using a sustainable communities environmental assessment ("SCEA"). Pub. Res. Code § 21155.2. A SCEA must contain an initial study which "identif[ies] all significant or potentially significant impacts of the transit priority project . . . based on substantial evidence in light of the whole record." Pub. Res. Code § 21155.2(b)(1). The initial study must also "identify any cumulative effects that have been adequately addressed and mitigated pursuant to the requirements of this division in prior applicable certified environmental impact reports." *Id.* The SCEA must then "contain measures that either avoid or mitigate to a level of insignificance all potentially significant or significant effects of the project required to be identified in the initial study." Pub. Res. Code §21155(b)(2). The

SCEA is not required to discuss growth inducing impacts or any project specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network. Pub. Res. Code § 21159.28(a).

After circulating the SCEA for public review and considering all comments, a lead agency may approve the SCEA with findings that all potentially significant impacts have been identified and mitigated to a less-than-significant level. Pub. Res. Code § 21155(b)(3), (b)(4), (b)(5). A lead agency's approval of a SCEA must be supported by substantial evidence. Pub. Res. Code §21155(b)(7).

II. DISCUSSION

A. The City May Not Rely on the SCEA Because the Project is Not Consistent with the General Plan.

The City may only rely on a SCEA if [The project] is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area. Pub. Res. Code § 21155(a).

The Project is not consistent with the general plan density and building intensity. The zoning allows a floor area ratio (FAR) of 1.5:1. However the Project has a FAR of 3:1 – double the FAR allowed by the zoning. (SCEA p. 3-12).

The zoning allows a maximum building height of 57-feet. The Project is proposed to be 91-feet in height. (SCEA p. 2-13).

Since the Project is not consistent with the General Plan and zoning, the City may not rely on a SCEA.

B. The City May Not Rely on the SCEA Because the Project is Inconsistent with the SCS.

If "all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports and adopted in findings made pursuant to Section 21081" are applied to a transit priority project, the project is eligible to conduct environmental review using a sustainable community environmental assessment ("SCEA"). Pub. Res. Code § 21155.2.

The Project fails to implement mitigation measures and performance standards required by the Sustainable Communities Strategy (SCS).

SCS Goal 5 is to reduce greenhouse gases (GHGs) and improve Air Quality. (SECA p. 4-20). The SCS requires projects to promote low emission technologies such as electric vehicles (EVs). (SCEA p. 4-19). The SCS requires projects to include solar energy and power storage. (SCEA p. 4-20).

Solar Panels: Despite these requirements, the Project includes only a "solar-ready" roof. This means that the roof can support solar photo-voltaic panels, but no such panels will necessarily be installed. Installing solar panels is clearly feasible, and so should be required for the Project to be consistent with the SCS.

EV Charging: Despite the above policies in the SCS, the Project only includes the bare minimum 10% electric vehicle charging. (SCEA p. 3-17). While additional parking spaces are EV-ready, they will not be equipped with EV charging stations. 100% EV charging is feasible and should be required. Not only would this comply with SCS Goal 5, but also SCS Goal 8: Leverage new transportation technologies. (SCEA p. 4-19).

Battery Storage: Despite the above SCS policies, the Project does not appear to include any battery storage. The SCS requires solar energy and power storage. (SCEA p. 4-20). Battery storage is feasible and should be included in the Project along with solar PV.

Heat Island: The SCS requires projects to reduce the heat island effect. (SCEA p. 4-21). The Project does not include standard measures to reduce heat island, such as low albedo roofs and parking areas. Such measures are feasible and should be included in the Project.

Wildlife Connectivity: The SCS requires projects to preserve and enhance wildlife connectivity. (SCEA p. 4-21). The SCEA contends that this goal is not relevant because the Project is located in an urban area. This is simply untrue. The Project site is a vacant parcel in an urban area. As discussed by wildlife biologist, Dr. Shawn Smallwood, Ph.D., such parcels are critical to wildlife connectivity, particularly for avian (bird) species. The few bits of open space in urban areas provide important resting and stopover habitat for avian species. the SCEA fails to analyze this impact at all. Dr. Smallwood concludes that the Project would adversely affect wildlife connectivity. Thus, the Project does not "preserve and enhance" wildlife connectivity, and is inconsistent with the SCS.

C. The City May Not Rely on the SCEA Because the Project has Significant Impacts Unique to the Project and Not Addressed in the SCS.

1. Project-Level CEQA Review is Required for Impacts that were not Mitigated to Insignificance in the SCS EIR.

The SCEA must "contain measures that either avoid or mitigate to a level of insignificance all potentially significant or significant effects of the project required to be identified in the initial study." Pub. Res. Code §21155(b)(2). Thus, to the extent that the SCS EIR admitted significant unmitigated impacts, further project-level CEQA review is required to analyze and mitigate those impacts on a project level because these impacts were not "mitigated to a level of insignificance" in the Connect SoCal EIR.

In the case of *Communities for a Better Environment v. Cal. Resources Agency* (2002) 103 Cal.App.4th 98, 122-125, the court of appeal held that when a "first tier" EIR admits a significant, unavoidable environmental impact, then the agency must prepare second tier EIRs for later phases of the project to ensure that those unmitigated impacts are "mitigated or avoided." (Id. citing CEQA Guidelines §15152(f)) The court reasoned that the unmitigated impacts were not "adequately addressed" in the first tier EIR since they were not "mitigated or avoided." (Id.) Thus, significant effects disclosed in first tier EIRs will trigger second tier EIRs unless such effects have been "adequately addressed," in a way that ensures the effects will be "mitigated or avoided." (Id.) Such a second tier EIR is required, even if the impact still cannot be fully mitigated and a statement of overriding considerations will be required. The court explained, "The requirement of a statement of overriding considerations is central to CEQA's role as a public accountability statute; it requires public officials, in approving environmental detrimental projects, to justify their decisions based on counterbalancing social, economic or other benefits, and to point to substantial evidence in support." (Id. at 124-125)

The EIR for the SCS admitted significant and unavoidable impacts in several areas, including:

Aesthetic (Connect SoCal Draft PEIR, p. 2.0-18);
Agricultural Resources (Id., p. 2.0-20);
Air Quality (Id. p. 2.0-23);
Biological Resources (Id. p. 2.0-25);
Cultural Resources (Id. p. 2.0-34);
Geology and Soils (Id. p. 2.0-37);
Greenhouse Gases (Id. p. 2.0-40);
Hazards and Hazardous Materials (Id. p. 2.0-43);
Hydrology and Water Quality (Id. p. 2.0-49);
Land Use (Id. p. 2.0-52);
Mineral Resources (Id. p. 2.0-54);
Noise (Id. p. 2.0-55);
Population and Housing (Id. p. 2.0-58);
Fire Services (Id. p. 2.0-59);
Police Services (Id. p. 2.0-60);
Schools (Id. p. 2.0-61);
Library Services (Id. p. 2.0-61);
Recreation (Id. p. 2.0-61);
Transportation, Traffic and Safety (Id. p. 2.0-63);
Tribal Cultural Resources (Id. p. 2.0-66);
Solid Waste (Id. p. 2.0-67);
Wastewater (Id. p. 2.0-68);
Water Supply (Id. p. 2.0-69);
Wildfire (Id. p. 2.0-70);

CEQA review is required to analyze and mitigate the above impacts at the project level because they were not mitigated to a level of insignificance in the Connect SoCal EIR.

2. Substantial Evidence Shows that the Project Will Likely Have Significant Air Quality Impacts.

Air quality experts Matt Hagemann, P.G., C.Hg. and Dr. Paul E. Rosenfeld, Ph.D. of the environmental consulting firm SWAPE reviewed the SCEA and concluded that the Project will likely have significant air quality impacts due to diesel particulate matter (DPM) emissions. SWAPE's comments and expert CVs are attached as Exhibit A. As discussed above, the SCS EIR did not mitigate air quality impacts to less than significant levels, therefore project-specific CEQA review is required.

The SCEA fails to address potential health-related impacts resulting from the Project's likely air emissions. This is problematic because operation of construction equipment during construction of the proposed Project, as well as daily truck trips during future operations, will release diesel particulate matter ("DPM") emissions into the air, affecting local and regional air quality. DPM is a known human carcinogen which poses unique health risks to nearby sensitive receptors. Importantly, CEQA requires a quantified analysis to determine whether a Project's toxic air contaminant ("TAC") emissions—including DPM emissions—will have potentially adverse impacts on human health. *Sierra Club v. Cty. of Fresno* (2018) 6 Cal. 5th 502, 518 (an EIR must make "a reasonable effort to substantively connect a project's air quality impacts to likely health consequences.")

Current guidance by the Office of Environmental Health Hazard Assessment ("OEHHA"), the agency responsible for setting statewide standards to measure health risks under CEQA, recommends that a quantified Health Risk Assessment ("HRA") be prepared to evaluate potential cancer risks for any short-term construction project lasting more than two months, and for the lifetime of any long-term project lasting more than six months. OEHHA guidance also recommends that an exposure duration of 30 years should be used to estimate the individual cancer risk affecting the maximally exposed individual resident ("MEIR") near a proposed Project site. (*Id*., p. 7.) A project's creation of health risks for impacted MEIRs must be further evaluated according to various sensitive receptors' age and pregnancy status. (*Id*., p. 11.)

Construction of the proposed Project is expected to last 30 months, and it is reasonable to assume, in the absence of any contrary assertion by the SCEA, that future building operations will continue for at least 30 years, during which time there will be ongoing emissions from delivery trucks, passenger vehicles, water heaters, cooking appliances and other sources. (SWAPE, p. 3).

Contrary to this established regulatory framework, however, the SCEA failed to prepare a quantified HRA for the Project's planned construction and operations. The SCEA also improperly relied on South Coast Air Quality Management District's ("SCAQMD") localized significance thresholds ("LSTs") to evaluate the Project's construction-related

health risk impacts. This approach is incorrect, however, because LSTs only evaluate emissions of criteria air pollutants—NOx, CO, PM_{10}, and $PM_{2.5}$—but do not measure the effect of TAC emissions, including DPM emissions, upon sensitive receptors. (*Id*., p. 2.) As such, the SCEA fails to present substantial evidence showing that the Project will not have a significant health impact. The SCEA additionally "fails to compare the Project's excess cancer risk" as it compares to the South Coast Air Quality Management District's ("SCAQMD") established significance threshold of 10 per million. (*Id*., p. 2.)

DPM has been listed as a known human carcinogen by the California Office of Health Hazard Assessment ("OEHHA"). DPM contains 40 toxic chemicals, including benzene, arsenic and lead. (www.p65warnings.ca.gov/fact-sheets/diesel-engine-exhaust.) DPM is listed separately by the State of California as a toxic air contaminant known to cause cancer in humans. (https://oehha.ca.gov/media/downloads/proposition-65//p65chemicalslistsinglelisttable2021p.pdf.) According to the U.S. Environmental Protection Agency, "Exposure to diesel exhaust can lead to serious health conditions like asthma and respiratory illnesses and can worsen existing heart and lung disease, especially in children and the elderly. These conditions can result in increased numbers of emergency room visits, hospital admissions, absences from work and school, and premature deaths." (https://www.epa.gov/dera/learn-about-impacts-diesel-exhaust-and-diesel-emissions-reduction-act-dera).

As explained above, the SCEA used LSTs to evaluate the Project's construction-related health risk impacts. However, LSTs analyze only criteria air pollutants, not toxic air contaminants (TACs). Although LSTs analyze localized impacts of PM-10 and PM-2.5, there is no LST for DPM – the pollutant that forms the basis of SWAPE's analysis. Although PM-2.5 is a constituent of DPM, it is only one of 40 toxic chemicals in DPM. PM-2.5 itself is not listed by the State as a cancer-causing chemical.

Therefore, SWAPE found that the SCEA's evaluation of the Project's potential health risk impacts, as well its conclusion that the Project will have a less-than-significant air quality impact conclusion, are methodologically flawed and are thus not supported by substantial evidence. (*Id*., p. 2.) As such, the City must prepare a revised SCEA or conduct an initial study to more accurately characterize the significance of the Project's impacts. Unless and until the City can present substantial evidence showing that the Project's impacts are less than significant, the use of a SCEA is improper. Pub. Res. Code §21155(b)(1)-(2).

SWAPE conducted a screening-level risk assessment using AERSCREEN, a modeling tool which is recommended by both OEHHA and the California Air Pollution Control Officers Association ("CAPCOA") for the development of Level 2 Health Risk Screening Assessments ("Level 2 HRSA"). According to SWAPE, "A Level 2 HRSA utilizes a limited amount of site-specific information to generate maximum reasonable downwind concentrations of air contaminants to which nearby sensitive receptors may be exposed. If an unacceptable air quality hazard is determined to be possible using AERSCREEN, a more refined modeling approach is required prior to approval of the Project." (*Id*., pp. 3-4.)

Following this recommended approach for modeling potential future health risks, SWAPE presented substantial evidence showing that Project construction and operations would result in excess cancer risks for pregnant individuals during the third trimester of pregnancy, as well as for infants, children, and adults when those individuals are maximally exposed to Project-related emissions, or located approximately 75 meters from the Project site. (*Id*., p. 5.) SWAPE calculates that the excess cancer risks for the 3rd trimester of pregnancy, infants, children, and adults at the MEIR located approximately 75 meters away, over the course of Project construction and operation, are approximately 18.0, 388, 25.5, and 2.83 in one million, respectively. The excess cancer risk over the course of a residential lifetime (30 years) is approximately 434 in one million. The 3rd trimester, infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, resulting in a potentially significant impact not previously addressed or identified by the SCEA. (Id. p. 7).

Therefore, SWAPE concludes that the "screening-level HRA demonstrates that construction and operation of the Project could result in a potentially significant health risk impact," and as such, "a revised SCEA should be prepared to include a refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation." (*Id*., p. 8.) SWAPE proposes numerous mitigation measures to reduce the Project's DPM impacts, which should be considered in a project-level EIR. (Id. pp. 8-11).

3. Substantial Evidence Shows that the Project Will Likely Have Significant Biological Impacts.

Wildlife biologists, Dr. Shawn Smallwood, Ph.D. and Noriko Smallwood, M.S., conclude that the Project will have significant biological impacts on special status speices. Dr. Smallwood's comments and expert CVs are attached as Exhibit B. As discussed above, the SCS EIR did not mitigate biological impacts to less than significant levels, therefore project-specific CEQA review is required.

Noriko Smallwood conducted a site visit on April 7, 2024. Noriko detected 30 species of vertebrate wildlife at or adjacent to the project site, including four species with special status. Noriko saw Cooper's hawk and red-tailed hawk (Photos 4 and 5), California gull (Photo 6), Allen's hummingbird and hooded oriole (Photos 7 and 8), Cassin's kingbird and California scrub-jay (Photos 9 and 10), house sparrow and California towhee (Photos 11 and 12), white-throated swift and barn swallow (Photos 13 and 14), lesser goldfinch (Photos 15 and 16), mourning dove and Eurasian collared-dove (Photos 17 and 18), house finch and northern mockingbird (Photos 19 and 20), Canada goose (Photo 21), European starling (Photo 22), acorn woodpecker and common raven (Photo 23 and 24), California ground squirrel (Photo 25), among the other species listed in Table 1.

Signs of breeding on and near the site abounded. California towhee, house finch, and house sparrow were actively gathering nest material from the site for nests on and near the site. Lesser goldfinches were paired up and will likely nest on or near the site. Northern mockingbirds were very territorial and will likely nest on or near the site. An Allen's

hummingbird displayed to another Allen's hummingbird and was very territorial, indicating they will likely nest on or near the site. Cassin's kingbirds chased each other indicating they will likely nest soon. Birds were very busy on site and the site has a large capacity to support nesting and foraging birds.

Dr. Smallwood states,

> Based on Noriko's survey findings, I am certain that at least four sensitive species of vertebrate wildlife occur at the project site. Making direct use of the trees and shrubs on the project site were special-status species including Allen's hummingbird and red-tailed hawk. The project site is habitat of these species.
>
> California gull, Cooper's hawk, Allen's hummingbird, and red-tailed hawk made use of that portion of the aerosphere that the proposed buildings would displace. The aerosphere of the project site is habitat of these species.
>
> (Smallwood Letter, p. 11).

Dr. Smallwood concludes that the Project will adversely affect these species through direct habitat loss, (Id., p. 19), interference with wildlife movement (Id. p. 20), window collisions due to extensive glazing, (Id., p. 21), and cumulative impacts with other projects. (Id. p. 24). Dr. Smallwood predicts that the Project will cause 760 bird deaths annually due to window collisions alone. (Id.).

Dr. Smallwood proposes several mitigation measures that could reduce the Project's impacts to sensitive species, including the use of bird-safe glass, pre-construction surveys to detect species, worker training programs, funding for wildlife rehabilitation facilities and other measures. (Id. 24-28). These impacts and mitigation measures should be analyzed in a project-specific CEQA document.

CONCLUSION

The SCEA fails to comply with CEQA because it fails to incorporate "all feasible mitigation measures, performance standards, or criteria set forth in the prior applicable environmental impact reports," namely, the 2020 Connect SoCal Program EIR. The SCEA is additionally improper because it lacks substantial evidence to support its conclusions that the Project will have less than significant impacts to air quality and biological impacts. Therefore, the City must prepare an initial study to determine the appropriate level of environmental review for the Project. Thank you for considering these comments.

Sincerely,

Richard Drury
Lozeau Drury LLP

EXHIBIT A

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

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April 12, 2024

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Subject: Comments on the Sunset and Everett Project (SCH No. 2024030517)

Dear Mr. Drury,

We have reviewed the March 2024 Sustainable Communities Environmental Assessment ("SCEA") for the Sunset and Everett Project ("Project") located in the City of Los Angeles ("City"). The Project proposes to construct a mixed-use building comprised of 327 residential units and approximately 9,462-square-feet ("SF") of commercial space, as well as 263 parking spaces, on the 2.459-acre site.

Our review concludes that the SCEA fails to adequately evaluate the Project's health risk impacts. As a result, emissions and health risk impacts associated with construction and operation of the proposed Project are underestimated and inadequately addressed. A revised SCEA should be prepared to adequately assess and mitigate the potential health risk impacts that the project may have on the environment.

Air Quality

Diesel Particulate Matter Emissions Inadequately Evaluated

The SCEA concludes that the Project would have a less-than-significant health risk impact without conducting a quantified construction or operational health risk analysis ("HRA"). Regarding the health risk impacts associated with the Project construction and operation, the SCEA states:

> "As discussed above, construction and operation of the Project would result in less than significant impacts relative to both regional and localized air pollution emissions. Therefore, the Project would not expose sensitive receptors to substantial pollutant concentrations. In addition, Project construction activities would comply with SCAQMD Rule 403 regarding the

control of fugitive dust and other specified dust control measures. As such, impacts to off-site sensitive receptors would be less than significant, and no mitigation measures are required…

The Project would not include any sources of TACs such as generators, boilers or any other combustion sources. As the Project would not contain substantial TAC sources and is consistent with the CARB and SCAQMD guidelines, the Project would not result in the exposure of off-site sensitive receptors to carcinogenic or toxic air contaminants that exceed the maximum incremental cancer risk of 10 in one million or an acute or chronic hazard index of 1.0, and potential TAC impacts would be less than significant.

The SCAQMD recommends Health Risk Assessments (HRAs) for substantial sources of diesel particulate matter such as warehouse distribution and cold storage facilities. No such facilities are located in proximity to the Project Site, and the Project does not propose any such uses. As such, a HRA was not required for the Project. Based on the above, the Project would not expose sensitive receptors to substantial pollutant concentrations, and impacts would be less than significant" (p. 5-49 – 5-50).

As demonstrated above, the SCEA claims that the Project would not generate substantial pollutant concentrations because the Project's anticipated criteria air pollutant emissions would not exceed regional and localized standard thresholds ("LSTs"), in addition to the fact that the Project does not include any sources of toxic air contaminants ("TACs"). However, the SCEA's evaluation of the Project's potential health risk impacts, as well as the subsequent less-than-significant impact conclusion, is incorrect for four reasons.

First, the use of a LST analysis to determine the health risk impacts posed to nearby, existing sensitive receptors as a result of the Project's construction and operational TACs emissions is incorrect. While the LST method assesses the impact of pollutants at a local level, it only evaluates impacts from criteria air pollutants. According to the *Final Localized Significance Threshold Methodology* document prepared by the South Coast Air Quality Management District ("SCAQMD"), LST analyses are only applicable to NO_x, CO, PM_{10}, and $PM_{2.5}$ emissions, which are collectively referred to as criteria air pollutants.[1] Because LST methods can only be applied to criteria air pollutants, they cannot be used to determine whether emissions from TACs, specifically diesel particulate matter ("DPM"), a known human carcinogen, would result in a significant health risk impact to nearby sensitive receptors. As a result, health impacts during Project construction and operation, from exposure to TACs, such as DPM, were not analyzed, therefore leaving a gap in the SCEA's analysis.

Second, by failing to prepare a quantified construction and operational HRA, the Project is inconsistent with CEQA's requirement to make "a reasonable effort to substantively connect a project's air quality

[1] "Final Localized Significance Threshold Methodology." South Coast Air Quality Management District (SCAQMD), Revised July 2008, *available at:* http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf.

impacts to likely health consequences." [2] This poses a problem, as construction of the Project would produce DPM emissions through the exhaust stacks of construction equipment over a duration of approximately 30 months (p. 3-22). According to the SCEA, the operation of the Project is anticipated to generate 809 daily vehicle trips, which would produce additional exhaust emissions and continue to expose nearby, existing sensitive receptors to DPM emissions (p. 5-240). However, the SCEA fails to evaluate the TAC emissions associated with Project construction and operation or indicate the concentrations at which such pollutants would trigger adverse health effects. Without making a reasonable effort to connect the Project's TAC emissions to the potential health risks posed to nearby receptors, the SCEA is inconsistent with CEQA's requirement to correlate Project-generated emissions with potential adverse impacts on human health.

Third, the Office of Environmental Health Hazard Assessment ("OEHHA"), the organization responsible for providing guidance on conducting HRAs in California, released its most recent *Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments* in February 2015. This guidance document describes the types of projects that warrant the preparation of an HRA. Specifically, OEHHA recommends that all short-term projects lasting at least 2 months assess cancer risks.[3] Additionally, according to OEHHA:

> "Exposure from projects lasting more than 6 months should be evaluated for the duration of the project. In all cases, for assessing risk to residential receptors, the exposure should be assumed to start in the third trimester to allow for the use of the ASFs (OEHHA, 2009)."[4]

As the Project's anticipated construction duration exceeds the 2-month and 6-month requirements set forth by OEHHA, construction of the Project meets the threshold warranting a quantified HRA under OEHHA guidance and should be evaluated for the entire 30-month construction period. Furthermore, OEHHA recommends that an exposure duration of 30 years should be used to estimate the individual cancer risk at the maximally exposed individual resident ("MEIR").[5] While the SCEA fails to provide the expected lifetime of the proposed Project, we can reasonably assume that the Project would operate for at least 30 years, if not more. Therefore, operation of the Project also exceeds the 2-month and 6-month requirements set forth by OEHHA and should be evaluated for the entire 30-year residential exposure duration, as indicated by OEHHA guidance. These recommendations reflect the most recent state health risk policies, and as such, a revised SCEA should be prepared to include an analysis of health risk impacts posed to nearby sensitive receptors from Project-generated DPM emissions.

Fourth, by claiming a less-than-significant impact without conducting a quantified construction or operational HRA for nearby, existing sensitive receptors, the SCEA fails to compare the Project's excess

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[2] "Sierra Club v. County of Fresno." Supreme Court of California, December 2018, a*vailable at:* https://ceqaportal.org/decisions/1907/Sierra%20Club%20v.%20County%20of%20Fresno.pdf.
[3] "Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 8-18.
[4] "Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 8-18.
[5] "Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 2-4.

cancer risk to the SCAQMD's specific numeric threshold of 10 in one million.[6] In accordance with the most relevant guidance, an assessment of the health risk posed to nearby, existing receptors as a result of Project construction and operation should be conducted.

Screening-Level Analysis Demonstrates Potentially Significant Health Risk Impact

In order to conduct our screening-level risk assessment we relied upon AERSCREEN, which is a screening level air quality dispersion model.[7] AERSCREEN is included in the OEHHA and the California Air Pollution Control Officers Associated ("CAPCOA") guidance as the appropriate air dispersion model for Level 2 health risk screening assessments ("HRSAs").[8, 9] A Level 2 HRSA utilizes a limited amount of site-specific information to generate maximum reasonable downwind concentrations of air contaminants to which nearby sensitive receptors may be exposed. If an unacceptable air quality hazard is determined to be possible using AERSCREEN, a more refined modeling approach should be conducted prior to approval of the Project.

We prepared a preliminary HRA of the Project's construction-related health risk impact to residential sensitive receptors using the annual PM_{10} exhaust estimates from the SCEA's CalEEMod output files. Consistent with recommendations set forth by OEHHA, we assumed residential exposure begins during the third trimester stage of life.[10] The SCEA's CalEEMod model indicates that construction activities will generate approximately 759 pounds of DPM over the 738-day construction period.[11] The AERSCREEN model relies on a continuous average emission rate to simulate maximum downward concentrations from point, area, and volume emission sources. To account for the variability in equipment usage and truck trips over Project construction, we calculated an average DPM emission rate by the following equation:

$$Emission\ Rate\ \left(\frac{grams}{second}\right) = \frac{759.1\ lbs}{738\ days} \times \frac{453.6\ grams}{lbs} \times \frac{1\ day}{24\ hours} \times \frac{1\ hour}{3{,}600\ seconds} = \mathbf{0.00540\ g/s}$$

Using this equation, we estimated a construction emission rate of 0.00540 grams per second ("g/s"). Subtracting the 738-day construction period from the total residential duration of 30 years, we assumed that after Project construction, the sensitive receptor would be exposed to the Project's operational DPM for an additional 27.98 years. The SCEA's operational CalEEMod emissions indicate that operational activities will generate approximately 20 net pounds of DPM per year throughout operation. Applying

[6] "South Coast AQMD Air Quality Significance Thresholds." SCAQMD, March 2023, *available at*: https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25.
[7] "Air Quality Dispersion Modeling - Screening Models," U.S. EPA, *available at:* https://www.epa.gov/scram/air-quality-dispersion-modeling-screening-models.
[8] "Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.
[9] "Health Risk Assessments for Proposed Land Use Projects." CAPCOA, July 2009, *available at:* http://www.valleyair.org/transportation/CAPCOA_HRA_LU_Guidelines_8-6-09.pdf.
[10] "Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 8-18.
[11] See Attachment C for health risk calculations.

the same equation used to estimate the construction DPM rate, we estimated the following emission rate for Project operation:

$$Emission\ Rate\ \left(\frac{grams}{second}\right) = \frac{20.0\ lbs}{365\ days} \times \frac{453.6\ grams}{lbs} \times \frac{1\ day}{24\ hours} \times \frac{1\ hour}{3{,}600\ seconds} = 0.000288\ \boldsymbol{g/s}$$

Using this equation, we estimated an operational emission rate of 0.000288 g/s. Construction and operation were simulated as a 2.459-acre rectangular area source in AERSCREEN, with approximate dimensions of 141- by 71-meters. A release height of three meters was selected to represent the height of stacks of operational equipment and other heavy-duty vehicles, and an initial vertical dimension of one and a half meters was used to simulate instantaneous plume dispersion upon release. An urban meteorological setting was selected with model-default inputs for wind speed and direction distribution. The population of Los Angeles was obtained from U.S. 2021 Census data.[12]

The AERSCREEN model generates maximum reasonable estimates of single-hour DPM concentrations from the Project Site. The U.S. EPA suggests that the annualized average concentration of an air pollutant be estimated by multiplying the single-hour concentration by 10% in screening procedures.[13] The SCEA indicates that the nearest sensitive receptors are residential buildings as close as 5 feet, or 1.5 meters, to the Project site (p. 5-49). However, review of the AERSCREEN output files demonstrates that the *maximally* exposed individual receptor ("MEIR") is located approximately 75 meters from the Project site. Thus, the single-hour concentration estimated by AERSCREEN for Project construction is approximately 13.23 µg/m^3 DPM at approximately 75 meters downwind. Multiplying this single-hour concentration by 10%, we get an annualized average concentration of 1.323 µg/m^3 for Project construction at the MEIR. For Project operation, the single-hour concentration estimated by AERSCREEN is 0.7047 µg/m^3 DPM at approximately 75 meters downwind. Multiplying this single-hour concentration by 10%, we get an annualized average concentration of 0.07047 µg/m^3 for Project operation at the MEIR.

We calculated the excess cancer risk to the nearest sensitive receptor using applicable HRA methodologies prescribed by OEHHA, as recommended by SCAQMD. Specifically, guidance from OEHHA and the California Air Resources Board ("CARB") recommends the use of a standard point estimate approach, including high-point estimate (i.e. 95th percentile) breathing rates and age sensitivity factors ("ASF") in order to account for the increased sensitivity to carcinogens during early-in-life exposure and accurately assess risk for susceptible subpopulations such as children. The residential exposure parameters, such as the daily breathing rates ("BR/BW"), exposure duration ("ED"), ASFs, fraction of time at home ("FAH"), and exposure frequency ("EF") utilized for the various age groups in our screening-level HRA are as follows:

[12] "Los Angeles." U.S. Census Bureau, 2021, *available at:* https://datacommons.org/place/geoId/0603791750.
[13] "Screening Procedures for Estimating the Air Quality Impact of Stationary Sources Revised." U.S. EPA, October 1992, *available at:* http://www.epa.gov/ttn/scram/guidance/guide/EPA-454R-92-019_OCR.pdf.

Exposure Assumptions for Residential Individual Cancer Risk						
Age Group	**Breathing Rate** (L/kg-day)[14]	**Age Sensitivity Factor**[15]	**Exposure Duration** (years)	**Fraction of Time at Home**[16]	**Exposure Frequency** (days/year)[17]	**Exposure Time** (hours/day)
3rd Trimester	361	10	0.25	0.85	350	24
Infant (0 – 2)	1090	10	2	0.85	350	24
Child (2 – 16)	572	3	14	0.72	350	24
Adult (16 – 30)	261	1	14	0.73	350	24

For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor ("CPF") in units of inverse dose expressed in milligrams per kilogram per day ($mg/kg/day^{-1}$) to derive the cancer risk estimate. Therefore, to assess exposures, we utilized the following dose algorithm:

$$Dose_{AIR,per\ age\ group} = C_{air} \times EF \times \left[\frac{BR}{BW}\right] \times A \times CF$$

where:

$Dose_{AIR}$ = dose by inhalation (mg/kg/day), per age group
C_{air} = concentration of contaminant in air (µg/m3)
EF = exposure frequency (number of days/365 days)
BR/BW = daily breathing rate normalized to body weight (L/kg/day)
A = inhalation absorption factor (default = 1)
CF = conversion factor (1x10-6, µg to mg, L to m3)

To calculate the overall cancer risk, we used the following equation for each appropriate age group:

[14] "Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics 'Hot Spots' Information and Assessment Act." SCAQMD, October 2020, available at: http://www.aqmd.gov/docs/default-source/planning/risk-assessment/ab-2588-supplemental-guidelines.pdf?sfvrsn=19, p. 19; see also "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.

[15] "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 8-5 Table 8.3.

[16] "Risk Assessment Procedures." SCAQMD, August 2017, available at: http://www.aqmd.gov/docs/default-source/rule-book/Proposed-Rules/1401/riskassessmentprocedures_2017_080717.pdf, p. 7.

[17] "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 5-24.

$$Cancer\ Risk_{AIR} = Dose_{AIR} \times CPF \times ASF \times FAH \times \frac{ED}{AT}$$

where:

$Dose_{AIR}$ = dose by inhalation (mg/kg/day), per age group
CPF = cancer potency factor, chemical-specific $(mg/kg/day)^{-1}$
ASF = age sensitivity factor, per age group
FAH = fraction of time at home, per age group (for residential receptors only)
ED = exposure duration (years)
AT = averaging time period over which exposure duration is averaged (always 70 years)

Consistent with the 738-day construction schedule, the annualized average concentration for construction was used for the entire third trimester of pregnancy (0.25 years) and the first 1.77 years of the infantile stage of life (0 – 2 years). The annualized average concentration for operation was used for the remainder of the 30-year exposure period, which makes up the latter 0.23 years of the infantile stage of life, as well as the entire child (2 – 16 years) and adult (16 – 30 years) stages of life. The results of our calculations are shown in the table below.

The Maximally Exposed Individual at an Existing Residential Receptor

Age Group	**Emissions Source**	**Duration** (years)	**Concentration** (ug/m3)	**Cancer Risk**
3rd Trimester	Construction	0.25	1.323	1.80E-05
	Construction	*1.77*	*1.323*	*3.85E-04*
	Operation	*0.23*	*0.07047*	*2.64E-06*
Infant (0 - 2)	Total	2		3.88E-04
Child (2 - 16)	Operation	14	0.07047	2.55E-05
Adult (16 - 30)	Operation	14	0.07047	2.83E-06
Lifetime		**30**		**4.34E-04**

As demonstrated in the table above, the excess cancer risks for the 3rd trimester of pregnancy, infants, children, and adults at the MEIR located approximately 75 meters away, over the course of Project construction and operation, are approximately 18.0, 388, 25.5, and 2.83 in one million, respectively. The excess cancer risk over the course of a residential lifetime (30 years) is approximately 434 in one million. The 3rd trimester, infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, resulting in a potentially significant impact not previously addressed or identified by the SCEA.

Our analysis represents a screening-level HRA, which is known to be conservative and tends to err on the side of health protection. The purpose of the screening-level HRA is to demonstrate the potential link between Project-generated emissions and adverse health risk impacts. According to the U.S. EPA:

> "EPA's Exposure Assessment Guidelines recommend completing exposure assessments iteratively using a tiered approach to 'strike a balance between the costs of adding detail and refinement to an assessment and the benefits associated with that additional refinement' (U.S. EPA, 1992).
>
> In other words, an assessment using basic tools (e.g., simple exposure calculations, default values, rules of thumb, conservative assumptions) can be conducted as the first phase (or tier) of the overall assessment (i.e., a screening-level assessment).
>
> The exposure assessor or risk manager can then determine whether the results of the screening-level assessment warrant further evaluation through refinements of the input data and exposure assumptions or by using more advanced models."

As demonstrated above, screening-level analyses warrant further evaluation in a refined modeling approach. As our screening-level HRA demonstrates that construction and operation of the Project could result in a potentially significant health risk impact, a revised SCEA should be prepared to include a refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation. If the refined analysis similarly concludes that the Project would result in a significant health risk impact, then mitigation measures should be incorporated, as described below in the "Feasible Mitigation Measures Available to Reduce Emissions" section.

Mitigation

Feasible Mitigation Measures Available to Reduce Emissions

Our analysis demonstrates that the Project would result in potentially significant health risk impacts that may need to be mitigated further. In an effort to reduce the Project's emissions, we identified several mitigation measures that are applicable to the proposed Project. To reduce the Project's emissions, we recommend consideration of SCAG's 2020 *RTP/SCS* PEIR's Air Quality Project Level Mitigation Measures ("PMM-AQ-1"), as described below: [18]

[18] "4.0 Mitigation Measures." Connect SoCal Program Environmental Impact Report Addendum #1, September 2020, available at: https://scag.ca.gov/sites/main/files/file-attachments/fpeir_connectsocal_addendum_4_mitigationmeasures.pdf?1606004420, p. 4.0-2 – 4.0-10; 4.0-19 – 4.0-23; See also: "Certified Final Connect SoCal Program Environmental Impact Report." Southern California Association of Governments (SCAG), May 2020, *available at:* https://scag.ca.gov/peir.

SCAG RTP/SCS 2020-2045
Air Quality Project Level Mitigation Measures – PMM-AQ-1: In accordance with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the *State CEQA Guidelines*, a Lead Agency for a project can and should consider mitigation measures to reduce substantial adverse effects related to violating air quality standards. Such measures may include the following or other comparable measures identified by the Lead Agency:
a) Minimize land disturbance.
b) Suspend grading and earth moving when wind gusts exceed 25 miles per hour unless the soil is wet enough to prevent dust plumes.
c) Cover trucks when hauling dirt.
d) Stabilize the surface of dirt piles if not removed immediately.
e) Limit vehicular paths on unpaved surfaces and stabilize any temporary roads.
f) Minimize unnecessary vehicular and machinery activities.
g) Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.
h) Revegetate disturbed land, including vehicular paths created during construction to avoid future off-road vehicular activities.
i) On Caltrans projects, Caltrans Standard Specifications 10-Dust Control, 17-Watering, and 18-Dust Palliative shall be incorporated into project specifications.
j) Require contractors to assemble a comprehensive inventory list (i.e., make, model, engine year, horsepower, emission rates) of all heavy-duty off-road (portable and mobile) equipment (50 horsepower and greater) that could be used an aggregate of 40 or more hours for the construction project. Prepare a plan for approval by the applicable air district demonstrating achievement of the applicable percent reduction for a CARB-approved fleet.
k) Ensure that all construction equipment is properly tuned and maintained.
l) Minimize idling time to 5 minutes—saves fuel and reduces emissions.
m) Provide an operational water truck on-site at all times. Use watering trucks to minimize dust; watering should be sufficient to confine dust plumes to the project work areas. Sweep paved streets at least once per day where there is evidence of dirt that has been carried on to the roadway.
n) Utilize existing power sources (e.g., power poles) or clean fuel generators rather than temporary power generators.
o) Develop a traffic plan to minimize traffic flow interference from construction activities. The plan may include advance public notice of routing, use of public transportation, and satellite parking areas with a shuttle service. Schedule operations affecting traffic for off-peak hours. Minimize obstruction of through-traffic lanes. Provide a flag person to guide traffic properly and ensure safety at construction sites.
p) As appropriate require that portable engines and portable engine-driven equipment units used at the project work site, with the exception of on-road and off-road motor vehicles, obtain CARB Portable Equipment Registration with the state or a local district permit. Arrange appropriate consultations with the CARB or the District to determine registration and permitting requirements prior to equipment operation at the site.
q) Require projects within 500 feet of residences, hospitals, or schools to use Tier 4 equipment for all engines above 50 horsepower (hp) unless the individual project can demonstrate that Tier 4 engines would not be required to mitigate emissions below significance thresholds.
r) Projects located within the South Coast Air Basin should consider applying for South Coast AQMD “SOON” funds which provides funds to applicable fleets for the purchase of commercially available low-emission heavy-duty engines to achieve near-term reduction of NOx emissions from in-use off-road diesel vehicles.

s) Projects located within AB 617 communities should review the applicable Community Emissions Reduction Plan (CERP) for additional mitigation that can be applied to individual projects.

t) Where applicable, projects should provide information about air quality related programs to schools, including the Environmental Justice Community Partnerships (EJCP), Clean Air Ranger Education (CARE), and Why Air Quality Matters programs.

u) Projects should work with local cities and counties to install adequate signage that prohibits truck idling in certain locations (e.g., near schools and sensitive receptors).

y) Projects that will introduce sensitive receptors within 500 feet of freeways and other sources should consider installing high efficiency of enhanced filtration units, such as Minimum Efficiency Reporting Value (MERV) 13 or better. Installation of enhanced filtration units can be verified during occupancy inspection prior to the issuance of an occupancy permit.

z) Develop an ongoing monitoring, inspection, and maintenance program for the MERV filters.

aa) Consult the SCAG Environmental Justice Toolbox for potential measures to address impacts to low-income and/or minority communities.

bb) The following criteria related to diesel emissions shall be implemented on by individual project sponsors as appropriate and feasible:

- Diesel nonroad vehicles on site for more than 10 total days shall have either (1) engines that meet EPA on road emissions standards or (2) emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%
- Diesel generators on site for more than 10 total days shall be equipped with emission control technology verified by EPA or CARB to reduce PM emissions by a minimum of 85%.
- Nonroad diesel engines on site shall be Tier 2 or higher.
- Diesel nonroad construction equipment on site for more than 10 total days shall have either (1) engines meeting EPA Tier 4 nonroad emissions standards or (2) emission control technology verified by EPA or CARB for use with nonroad engines to reduce PM emissions by a minimum of 85% for engines for 50 hp and greater and by a minimum of 20% for engines less than 50 hp.
- Emission control technology shall be operated, maintained, and serviced as recommended by the emission control technology manufacturer.
- Diesel vehicles, construction equipment, and generators on site shall be fueled with ultra-low sulfur diesel fuel (ULSD) or a biodiesel blend approved by the original engine manufacturer with sulfur content of 15 ppm or less.
- The construction contractor shall maintain a list of all diesel vehicles, construction equipment, and generators to be used on site. The list shall include the following:
    i. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment.
    ii. Equipment type, equipment manufacturer, equipment serial number, engine manufacturer, engine model year, engine certification (Tier rating), horsepower, engine serial number, and expected fuel usage and hours of operation.
    iii. For the emission control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date and hour-meter reading on installation date.
- The contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities.
- The contractor shall maintain a monthly report that, for each on road diesel vehicle, nonroad construction equipment, or generator onsite, includes:
    i. Hour-meter readings on arrival on-site, the first and last day of every month, and on off-site date.
    ii. Any problems with the equipment or emission controls.
    iii. Certified copies of fuel deliveries for the time period that identify:
        1. Source of supply

2. Quantity of fuel
3. Quantity of fuel, including sulfur content (percent by weight)

cc) Project should exceed Title-24 Building Envelope Energy Efficiency Standards (California Building Standards Code). The following measures can be used to increase energy efficiency:

- Provide pedestrian network improvements, such as interconnected street network, narrower roadways and shorter block lengths, sidewalks, accessibility to transit and transit shelters, traffic calming measures, parks and public spaces, minimize pedestrian barriers.
- Provide traffic calming measures, such as:
    i. Marked crosswalks
    ii. Count-down signal timers
    iii. Curb extensions iv. Speed tables
    iv. Raised crosswalks
    v. Raised intersections
    vi. Median islands
    vii. Tight corner radii
    viii. Roundabouts or mini-circles
    ix. On-street parking
    x. Chicanes/chokers
- Create urban non-motorized zones
- Provide bike parking in non-residential and multi-unit residential projects
- Dedicate land for bike trails
- Limit parking supply through:
    i. Elimination (or reduction) of minimum parking requirements
    ii. Creation of maximum parking requirements
    iii. Provision of shared parking
- Require residential area parking permit.
- Provide ride-sharing programs
    i. Designate a certain percentage of parking spacing for ride sharing vehicles
    ii. Designating adequate passenger loading and unloading and waiting areas for ride-sharing vehicles
    iii. Providing a web site or messaging board for coordinating rides
    iv. Permanent transportation management association membership and finding requirement.

These measures offer a cost-effective, feasible way to incorporate lower-emitting design features into the proposed Project, which subsequently, reduce emissions released during Project construction and operation. A revised SCEA should be prepared to include all feasible mitigation measures, as well as include an updated health risk analysis to ensure that the necessary mitigation measures are implemented to reduce emissions to the maximum extent feasible. The revised SCEA should also demonstrate a commitment to the implementation of these measures prior to Project approval, to ensure that the Project's significant emissions are reduced to the maximum extent possible.

Disclaimer

SWAPE has received limited discovery regarding this project. Additional information may become available in the future; thus, we retain the right to revise or amend this report when additional information becomes available. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the scope of work, work methodologies and protocols, site conditions, analytical testing results, and findings presented. This report reflects efforts which were limited to information that was

reasonably accessible at the time of the work, and may contain informational gaps, inconsistencies, or otherwise be incomplete due to the unavailability or uncertainty of information obtained or provided by third parties.

Sincerely,

Matt Hagemann, P.G., C.Hg.

Paul E. Rosenfeld, Ph.D.

Attachment A: Updated Health Risk Calculations
Attachment B: AERSCREEN Output Files
Attachment C: Matt Hagemann CV
Attachment D: Paul Rosenfeld CV

Construction

2024	
Annual Emissions (tons/year)	0.005
Daily Emissions (lbs/day)	0.02739726
Construction Duration (days)	8
Total DPM (lbs)	0.219178082
Total DPM (g)	99.41917808
Start Date	12/24/2024
End Date	1/1/2025
Construction Days	8
2025	
Annual Emissions (tons/year)	0.15
Daily Emissions (lbs/day)	0.821917808
Construction Duration (days)	365
Total DPM (lbs)	300
Total DPM (g)	136080
Start Date	1/1/2025
End Date	1/1/2026
Construction Days	365
2026	
Annual Emissions (tons/year)	0.19
Daily Emissions (lbs/day)	1.04109589
Construction Duration (days)	365
Total DPM (lbs)	380
Total DPM (g)	172368
Start Date	1/1/2026
End Date	1/1/2027
Construction Days	365
2027	
Annual Emissions (tons/year)	0.08
Daily Emissions (lbs/day)	0.438356164
Construction Duration (days)	180
Total DPM (lbs)	78.90410959
Total DPM (g)	35790.90411
Start Date	1/1/2027
End Date	6/30/2027
Construction Days	180

Total	
Total DPM (lbs)	759.1232877
Total DPM (g)	344338.3233
Emission Rate (g/s)	0.005400267
Release Height (meters)	3
Total Acreage	2.459
Max Horizontal (meters)	141.08
Min Horizontal (meters)	70.54
Initial Vertical Dimension (meters)	1.5
Setting	U
Population	2,550,009
Start Date	12/24/2024
End Date	1/1/2027
Total Construction Days	738
Total Years of Construction	2.02
Total Years of Operation	27.98

Operation

Emission Rate	
Annual Emissions (tons/year)	0.01
Daily Emissions (lbs/day)	0.054794521
Total DPM (lbs)	20
Emission Rate (g/s)	0.000287671
Release Height (meters)	3
Total Acreage	2.459
Max Horizontal (meters)	141.08
Min Horizontal (meters)	70.54
Initial Vertical Dimension (meters)	1.5
Setting	U
Population	2,550,009

AERSCREEN 21112 / AERMOD 21112 02/09/24
15:34:21

TITLE: Sunset and Everett Construction

********** AREA PARAMETERS **********

SOURCE EMISSION RATE:	0.540E-02	g/s	0.429E-01	lb/hr
AREA EMISSION RATE:	0.543E-06	g/(s-m2)	0.431E-05	lb/(hr-m2)
AREA HEIGHT:	3.00	meters	9.84	feet
AREA SOURCE LONG SIDE:	141.08	meters	462.86	feet
AREA SOURCE SHORT SIDE:	70.54	meters	231.43	feet
INITIAL VERTICAL DIMENSION:	1.50	meters	4.92	feet
RURAL OR URBAN:	URBAN			
POPULATION:	2550009			
INITIAL PROBE DISTANCE =	5000.	meters	16404.	feet

********** BUILDING DOWNWASH PARAMETERS **********

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

********** FLOW SECTOR ANALYSIS **********

25 meter receptor spacing: 1. meters - 5000. meters

MAXIMUM IMPACT RECEPTOR

Zo SECTOR	SURFACE ROUGHNESS	1-HR CONC (ug/m3)	RADIAL (deg)	DIST (m)	TEMPORAL PERIOD
1*	1.000	13.23	15	75.0	WIN

* = worst case diagonal

********** MAKEMET METEOROLOGY PARAMETERS **********

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban
DOMINANT CLIMATE TYPE: Average Moisture
DOMINANT SEASON: Winter

ALBEDO: 0.35
BOWEN RATIO: 1.50
ROUGHNESS LENGTH: 1.000 (meters)

SURFACE FRICTION VELOCITY (U*) NOT ADUSTED

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR	MO	DY	JDY	HR
10	01	10	10	01

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS
-1.30	0.043	-9.000	0.020	-999.	21.	6.0	1.000	1.50	0.35	0.50

HT	REF TA	HT
10.0	310.0	2.0

********** AERSCREEN AUTOMATED DISTANCES **********
OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	10.49	2525.00	0.8074E-01

25.00	11.84	2550.00	0.7966E-01
50.00	12.82	2575.00	0.7860E-01
75.00	13.23	2600.00	0.7757E-01
100.00	7.555	2625.00	0.7656E-01
125.00	5.312	2650.00	0.7557E-01
150.00	4.045	2675.00	0.7460E-01
175.00	3.231	2700.00	0.7366E-01
200.00	2.665	2725.00	0.7274E-01
225.00	2.254	2750.00	0.7183E-01
250.00	1.943	2775.00	0.7095E-01
275.00	1.698	2800.00	0.7008E-01
300.00	1.504	2825.00	0.6923E-01
325.00	1.346	2850.00	0.6840E-01
350.00	1.214	2875.00	0.6759E-01
375.00	1.103	2900.00	0.6679E-01
400.00	1.009	2925.00	0.6601E-01
425.00	0.9277	2950.00	0.6525E-01
450.00	0.8571	2975.00	0.6450E-01
475.00	0.7954	2999.99	0.6376E-01
500.00	0.7412	3025.00	0.6304E-01
525.00	0.6931	3050.00	0.6234E-01
550.00	0.6501	3075.00	0.6165E-01
575.00	0.6116	3100.00	0.6097E-01
600.00	0.5769	3125.00	0.6030E-01
625.00	0.5453	3150.00	0.5964E-01
650.00	0.5166	3174.99	0.5900E-01
675.00	0.4905	3199.99	0.5837E-01
700.00	0.4666	3225.00	0.5775E-01
725.00	0.4447	3250.00	0.5715E-01
750.00	0.4244	3275.00	0.5655E-01
775.00	0.4058	3300.00	0.5597E-01
800.00	0.3885	3325.00	0.5539E-01
825.00	0.3725	3350.00	0.5482E-01
850.00	0.3576	3375.00	0.5427E-01
875.00	0.3437	3400.00	0.5372E-01
900.00	0.3308	3425.00	0.5319E-01
925.00	0.3187	3450.00	0.5266E-01
950.00	0.3073	3475.00	0.5214E-01
975.00	0.2965	3500.00	0.5163E-01
1000.00	0.2864	3525.00	0.5113E-01
1025.00	0.2769	3550.00	0.5064E-01
1050.00	0.2679	3575.00	0.5016E-01
1075.00	0.2594	3600.00	0.4968E-01
1100.00	0.2513	3625.00	0.4921E-01
1125.00	0.2437	3650.00	0.4875E-01
1150.00	0.2364	3675.00	0.4830E-01
1175.00	0.2295	3700.00	0.4785E-01
1200.00	0.2230	3725.00	0.4741E-01
1225.00	0.2168	3750.00	0.4698E-01
1250.00	0.2108	3775.00	0.4656E-01

1275.00	0.2052	3800.00	0.4614E-01
1300.00	0.1998	3825.00	0.4573E-01
1325.00	0.1954	3849.99	0.4532E-01
1350.00	0.1904	3875.00	0.4492E-01
1375.00	0.1857	3900.00	0.4453E-01
1400.00	0.1812	3925.00	0.4414E-01
1425.00	0.1768	3950.00	0.4376E-01
1450.00	0.1726	3975.00	0.4338E-01
1475.00	0.1686	4000.00	0.4301E-01
1500.00	0.1648	4025.00	0.4265E-01
1525.00	0.1611	4050.00	0.4229E-01
1550.00	0.1576	4075.00	0.4193E-01
1575.00	0.1541	4100.00	0.4158E-01
1600.00	0.1508	4125.00	0.4124E-01
1625.00	0.1477	4150.00	0.4090E-01
1650.00	0.1446	4175.00	0.4056E-01
1675.00	0.1417	4200.00	0.4023E-01
1700.00	0.1388	4225.00	0.3991E-01
1725.00	0.1361	4250.00	0.3959E-01
1750.00	0.1334	4275.00	0.3927E-01
1775.00	0.1308	4300.00	0.3896E-01
1800.00	0.1283	4325.00	0.3865E-01
1825.00	0.1259	4350.00	0.3835E-01
1850.00	0.1236	4375.00	0.3805E-01
1875.00	0.1214	4400.00	0.3775E-01
1900.00	0.1192	4425.00	0.3746E-01
1925.00	0.1171	4450.00	0.3717E-01
1950.00	0.1150	4475.00	0.3689E-01
1975.00	0.1130	4500.00	0.3661E-01
2000.00	0.1111	4525.00	0.3633E-01
2025.00	0.1092	4550.00	0.3606E-01
2050.00	0.1074	4575.00	0.3579E-01
2075.00	0.1056	4600.00	0.3552E-01
2100.00	0.1039	4625.00	0.3526E-01
2125.00	0.1023	4650.00	0.3500E-01
2150.00	0.1006	4675.00	0.3475E-01
2175.00	0.9905E-01	4700.00	0.3449E-01
2200.00	0.9751E-01	4725.00	0.3425E-01
2224.99	0.9601E-01	4750.00	0.3400E-01
2250.00	0.9455E-01	4775.00	0.3376E-01
2275.00	0.9313E-01	4800.00	0.3352E-01
2300.00	0.9175E-01	4825.00	0.3328E-01
2325.00	0.9040E-01	4850.00	0.3304E-01
2350.00	0.8908E-01	4875.00	0.3281E-01
2375.00	0.8780E-01	4900.00	0.3258E-01
2400.00	0.8655E-01	4925.00	0.3236E-01
2425.00	0.8533E-01	4950.00	0.3213E-01
2449.99	0.8414E-01	4975.00	0.3191E-01
2475.00	0.8298E-01	5000.00	0.3169E-01
2500.00	0.8185E-01		

********** AERSCREEN MAXIMUM IMPACT SUMMARY **********

3-hour, 8-hour, and 24-hour scaled
concentrations are equal to the 1-hour concentration as referenced in
SCREENING PROCEDURES FOR ESTIMATING THE AIR QUALITY
IMPACT OF STATIONARY SOURCES, REVISED (Section 4.5.4)
Report number EPA-454/R-92-019
http://www.epa.gov/scram001/guidance_permit.htm
under Screening Guidance

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	13.42	13.42	13.42	13.42	N/A
DISTANCE FROM SOURCE	74.00 meters				
IMPACT AT THE AMBIENT BOUNDARY	10.49	10.49	10.49	10.49	N/A
DISTANCE FROM SOURCE	1.00 meters				

TITLE: Sunset and Everett Operation

********** AREA PARAMETERS **********

SOURCE EMISSION RATE:	0.288E-03	g/s	0.228E-02	lb/hr
AREA EMISSION RATE:	0.289E-07	g/(s-m2)	0.229E-06	lb/(hr-m2)
AREA HEIGHT:	3.00	meters	9.84	feet
AREA SOURCE LONG SIDE:	141.08	meters	462.86	feet
AREA SOURCE SHORT SIDE:	70.54	meters	231.43	feet
INITIAL VERTICAL DIMENSION:	1.50	meters	4.92	feet
RURAL OR URBAN:	URBAN			
POPULATION:	2550009			
INITIAL PROBE DISTANCE =	5000.	meters	16404.	feet

********** BUILDING DOWNWASH PARAMETERS **********

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

********** FLOW SECTOR ANALYSIS **********

25 meter receptor spacing: 1. meters - 5000. meters

MAXIMUM IMPACT RECEPTOR

Zo SECTOR	SURFACE ROUGHNESS	1-HR CONC (ug/m3)	RADIAL (deg)	DIST (m)	TEMPORAL PERIOD
1*	1.000	0.7047	15	75.0	WIN

* = worst case diagonal

********** MAKEMET METEOROLOGY PARAMETERS **********

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban
DOMINANT CLIMATE TYPE: Average Moisture
DOMINANT SEASON: Winter

ALBEDO: 0.35
BOWEN RATIO: 1.50
ROUGHNESS LENGTH: 1.000 (meters)

SURFACE FRICTION VELOCITY (U*) NOT ADUSTED

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR	MO	DY	JDY	HR
10	01	10	10	01

H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS
-1.30	0.043	-9.000	0.020	-999.	21.	6.0	1.000	1.50	0.35	0.50

HT	REF TA	HT
10.0	310.0	2.0

********** AERSCREEN AUTOMATED DISTANCES **********
OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

DIST (m)	MAXIMUM 1-HR CONC (ug/m3)	DIST (m)	MAXIMUM 1-HR CONC (ug/m3)
1.00	0.5589	2525.00	0.4302E-02

25.00	0.6306	2550.00	0.4244E-02
50.00	0.6829	2575.00	0.4188E-02
75.00	0.7047	2600.00	0.4133E-02
100.00	0.4026	2625.00	0.4079E-02
125.00	0.2830	2650.00	0.4026E-02
150.00	0.2155	2675.00	0.3975E-02
175.00	0.1721	2700.00	0.3925E-02
200.00	0.1420	2725.00	0.3875E-02
225.00	0.1201	2750.00	0.3827E-02
250.00	0.1035	2775.00	0.3780E-02
275.00	0.9049E-01	2800.00	0.3734E-02
300.00	0.8016E-01	2825.00	0.3689E-02
325.00	0.7171E-01	2850.00	0.3645E-02
350.00	0.6467E-01	2875.00	0.3601E-02
375.00	0.5876E-01	2900.00	0.3559E-02
400.00	0.5376E-01	2925.00	0.3517E-02
425.00	0.4943E-01	2950.00	0.3476E-02
450.00	0.4567E-01	2975.00	0.3437E-02
475.00	0.4238E-01	3000.00	0.3397E-02
500.00	0.3949E-01	3025.00	0.3359E-02
525.00	0.3693E-01	3050.00	0.3321E-02
550.00	0.3464E-01	3075.00	0.3284E-02
575.00	0.3259E-01	3100.00	0.3248E-02
600.00	0.3074E-01	3125.00	0.3213E-02
625.00	0.2905E-01	3150.00	0.3178E-02
650.00	0.2753E-01	3174.99	0.3144E-02
675.00	0.2613E-01	3200.00	0.3110E-02
700.00	0.2486E-01	3225.00	0.3077E-02
725.00	0.2369E-01	3250.00	0.3045E-02
750.00	0.2261E-01	3275.00	0.3013E-02
775.00	0.2162E-01	3300.00	0.2982E-02
800.00	0.2070E-01	3325.00	0.2951E-02
825.00	0.1985E-01	3350.00	0.2921E-02
850.00	0.1905E-01	3375.00	0.2892E-02
875.00	0.1831E-01	3400.00	0.2862E-02
900.00	0.1762E-01	3425.00	0.2834E-02
925.00	0.1698E-01	3450.00	0.2806E-02
950.00	0.1637E-01	3475.00	0.2778E-02
975.00	0.1580E-01	3500.00	0.2751E-02
1000.00	0.1526E-01	3525.00	0.2724E-02
1025.00	0.1476E-01	3550.00	0.2698E-02
1050.00	0.1428E-01	3575.00	0.2672E-02
1075.00	0.1382E-01	3600.00	0.2647E-02
1100.00	0.1339E-01	3625.00	0.2622E-02
1125.00	0.1298E-01	3650.00	0.2598E-02
1150.00	0.1260E-01	3675.00	0.2573E-02
1175.00	0.1223E-01	3700.00	0.2550E-02
1200.00	0.1188E-01	3724.99	0.2526E-02
1225.00	0.1155E-01	3750.00	0.2503E-02
1250.00	0.1123E-01	3775.00	0.2481E-02

1275.00	0.1093E-01	3800.00	0.2458E-02
1300.00	0.1065E-01	3825.00	0.2436E-02
1325.00	0.1041E-01	3849.99	0.2415E-02
1350.00	0.1015E-01	3875.00	0.2393E-02
1375.00	0.9894E-02	3900.00	0.2372E-02
1400.00	0.9652E-02	3925.00	0.2352E-02
1425.00	0.9420E-02	3950.00	0.2331E-02
1450.00	0.9198E-02	3975.00	0.2311E-02
1475.00	0.8985E-02	4000.00	0.2292E-02
1500.00	0.8780E-02	4025.00	0.2272E-02
1525.00	0.8584E-02	4050.00	0.2253E-02
1550.00	0.8394E-02	4075.00	0.2234E-02
1575.00	0.8212E-02	4100.00	0.2216E-02
1600.00	0.8037E-02	4125.00	0.2197E-02
1625.00	0.7868E-02	4149.99	0.2179E-02
1650.00	0.7705E-02	4175.00	0.2161E-02
1675.00	0.7548E-02	4200.00	0.2144E-02
1700.00	0.7396E-02	4225.00	0.2126E-02
1725.00	0.7249E-02	4250.00	0.2109E-02
1750.00	0.7108E-02	4275.00	0.2092E-02
1775.00	0.6971E-02	4300.00	0.2076E-02
1800.00	0.6839E-02	4325.00	0.2059E-02
1825.00	0.6710E-02	4350.00	0.2043E-02
1850.00	0.6587E-02	4375.00	0.2027E-02
1875.00	0.6467E-02	4400.00	0.2011E-02
1900.00	0.6350E-02	4425.00	0.1996E-02
1924.99	0.6238E-02	4450.00	0.1981E-02
1950.00	0.6128E-02	4475.00	0.1965E-02
1975.00	0.6022E-02	4500.00	0.1951E-02
2000.00	0.5919E-02	4525.00	0.1936E-02
2025.00	0.5820E-02	4550.00	0.1921E-02
2050.00	0.5723E-02	4575.00	0.1907E-02
2075.00	0.5629E-02	4600.00	0.1893E-02
2100.00	0.5537E-02	4625.00	0.1879E-02
2125.00	0.5448E-02	4650.00	0.1865E-02
2150.00	0.5361E-02	4675.00	0.1851E-02
2175.00	0.5277E-02	4700.00	0.1838E-02
2200.00	0.5195E-02	4725.00	0.1825E-02
2224.99	0.5115E-02	4750.00	0.1811E-02
2250.00	0.5038E-02	4775.00	0.1799E-02
2275.00	0.4962E-02	4800.00	0.1786E-02
2300.00	0.4888E-02	4825.00	0.1773E-02
2325.00	0.4817E-02	4850.00	0.1761E-02
2350.00	0.4746E-02	4875.00	0.1748E-02
2375.00	0.4678E-02	4900.00	0.1736E-02
2400.00	0.4612E-02	4925.00	0.1724E-02
2425.00	0.4547E-02	4950.00	0.1712E-02
2449.99	0.4483E-02	4975.00	0.1700E-02
2475.00	0.4421E-02	5000.00	0.1689E-02
2500.00	0.4361E-02		

********** AERSCREEN MAXIMUM IMPACT SUMMARY **********

3-hour, 8-hour, and 24-hour scaled
concentrations are equal to the 1-hour concentration as referenced in
SCREENING PROCEDURES FOR ESTIMATING THE AIR QUALITY
IMPACT OF STATIONARY SOURCES, REVISED (Section 4.5.4)
Report number EPA-454/R-92-019
http://www.epa.gov/scram001/guidance_permit.htm
under Screening Guidance

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	0.7151	0.7151	0.7151	0.7151	N/A
DISTANCE FROM SOURCE	74.00 meters				
IMPACT AT THE AMBIENT BOUNDARY	0.5589	0.5589	0.5589	0.5589	N/A
DISTANCE FROM SOURCE	1.00 meters				

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Matthew F. Hagemann, P.G., C.Hg., QSD, QSP

Geologic and Hydrogeologic Characterization
Investigation and Remediation Strategies
Litigation Support and Testifying Expert
Industrial Stormwater Compliance
CEQA Review

Education:

M.S. Degree, Geology, California State University Los Angeles, Los Angeles, CA, 1984.
B.A. Degree, Geology, Humboldt State University, Arcata, CA, 1982.

Professional Certifications:

California Professional Geologist
California Certified Hydrogeologist
Qualified SWPPP Developer and Practitioner

Professional Experience:

Matt has 30 years of experience in environmental policy, contaminant assessment and remediation, stormwater compliance, and CEQA review. He spent nine years with the U.S. EPA in the RCRA and Superfund programs and served as EPA's Senior Science Policy Advisor in the Western Regional Office where he identified emerging threats to groundwater from perchlorate and MTBE. While with EPA, Matt also served as a Senior Hydrogeologist in the oversight of the assessment of seven major military facilities undergoing base closure. He led numerous enforcement actions under provisions of the Resource Conservation and Recovery Act (RCRA) and directed efforts to improve hydrogeologic characterization and water quality monitoring. For the past 15 years, as a founding partner with SWAPE, Matt has developed extensive client relationships and has managed complex projects that include consultation as an expert witness and a regulatory specialist, and a manager of projects ranging from industrial stormwater compliance to CEQA review of impacts from hazardous waste, air quality and greenhouse gas emissions.

Positions Matt has held include:

- Founding Partner, Soil/Water/Air Protection Enterprise (SWAPE) (2003 – present);
- Geology Instructor, Golden West College, 2010 – 2104, 2017;
- Senior Environmental Analyst, Komex H2O Science, Inc. (2000 -- 2003);

- Executive Director, Orange Coast Watch (2001 – 2004);
- Senior Science Policy Advisor and Hydrogeologist, U.S. Environmental Protection Agency (1989–1998);
- Hydrogeologist, National Park Service, Water Resources Division (1998 – 2000);
- Adjunct Faculty Member, San Francisco State University, Department of Geosciences (1993 – 1998);
- Instructor, College of Marin, Department of Science (1990 – 1995);
- Geologist, U.S. Forest Service (1986 – 1998); and
- Geologist, Dames & Moore (1984 – 1986).

Senior Regulatory and Litigation Support Analyst:

With SWAPE, Matt's responsibilities have included:

- Lead analyst and testifying expert in the review of over 300 environmental impact reports and negative declarations since 2003 under CEQA that identify significant issues with regard to hazardous waste, water resources, water quality, air quality, greenhouse gas emissions, and geologic hazards. Make recommendations for additional mitigation measures to lead agencies at the local and county level to include additional characterization of health risks and implementation of protective measures to reduce worker exposure to hazards from toxins and Valley Fever.
- Stormwater analysis, sampling and best management practice evaluation at more than 100 industrial facilities.
- Expert witness on numerous cases including, for example, perfluorooctanoic acid (PFOA) contamination of groundwater, MTBE litigation, air toxins at hazards at a school, CERCLA compliance in assessment and remediation, and industrial stormwater contamination.
- Technical assistance and litigation support for vapor intrusion concerns.
- Lead analyst and testifying expert in the review of environmental issues in license applications for large solar power plants before the California Energy Commission.
- Manager of a project to evaluate numerous formerly used military sites in the western U.S.
- Manager of a comprehensive evaluation of potential sources of perchlorate contamination in Southern California drinking water wells.
- Manager and designated expert for litigation support under provisions of Proposition 65 in the review of releases of gasoline to sources drinking water at major refineries and hundreds of gas stations throughout California.

With Komex H2O Science Inc., Matt's duties included the following:

- Senior author of a report on the extent of perchlorate contamination that was used in testimony by the former U.S. EPA Administrator and General Counsel.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of MTBE use, research, and regulation.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of perchlorate use, research, and regulation.
- Senior researcher in a study that estimates nationwide costs for MTBE remediation and drinking water treatment, results of which were published in newspapers nationwide and in testimony against provisions of an energy bill that would limit liability for oil companies.
- Research to support litigation to restore drinking water supplies that have been contaminated by MTBE in California and New York.

- Expert witness testimony in a case of oil production-related contamination in Mississippi.
- Lead author for a multi-volume remedial investigation report for an operating school in Los Angeles that met strict regulatory requirements and rigorous deadlines.
- Development of strategic approaches for cleanup of contaminated sites in consultation with clients and regulators.

Executive Director:

As Executive Director with Orange Coast Watch, Matt led efforts to restore water quality at Orange County beaches from multiple sources of contamination including urban runoff and the discharge of wastewater. In reporting to a Board of Directors that included representatives from leading Orange County universities and businesses, Matt prepared issue papers in the areas of treatment and disinfection of wastewater and control of the discharge of grease to sewer systems. Matt actively participated in the development of countywide water quality permits for the control of urban runoff and permits for the discharge of wastewater. Matt worked with other nonprofits to protect and restore water quality, including Surfrider, Natural Resources Defense Council and Orange County CoastKeeper as well as with business institutions including the Orange County Business Council.

Hydrogeology:

As a Senior Hydrogeologist with the U.S. Environmental Protection Agency, Matt led investigations to characterize and cleanup closing military bases, including Mare Island Naval Shipyard, Hunters Point Naval Shipyard, Treasure Island Naval Station, Alameda Naval Station, Moffett Field, Mather Army Airfield, and Sacramento Army Depot. Specific activities were as follows:

- Led efforts to model groundwater flow and contaminant transport, ensured adequacy of monitoring networks, and assessed cleanup alternatives for contaminated sediment, soil, and groundwater.
- Initiated a regional program for evaluation of groundwater sampling practices and laboratory analysis at military bases.
- Identified emerging issues, wrote technical guidance, and assisted in policy and regulation development through work on four national U.S. EPA workgroups, including the Superfund Groundwater Technical Forum and the Federal Facilities Forum.

At the request of the State of Hawaii, Matt developed a methodology to determine the vulnerability of groundwater to contamination on the islands of Maui and Oahu. He used analytical models and a GIS to show zones of vulnerability, and the results were adopted and published by the State of Hawaii and County of Maui.

As a hydrogeologist with the EPA Groundwater Protection Section, Matt worked with provisions of the Safe Drinking Water Act and NEPA to prevent drinking water contamination. Specific activities included the following:

- Received an EPA Bronze Medal for his contribution to the development of national guidance for the protection of drinking water.
- Managed the Sole Source Aquifer Program and protected the drinking water of two communities through designation under the Safe Drinking Water Act. He prepared geologic reports, conducted

public hearings, and responded to public comments from residents who were very concerned about the impact of designation.

- Reviewed a number of Environmental Impact Statements for planned major developments, including large hazardous and solid waste disposal facilities, mine reclamation, and water transfer.

Matt served as a hydrogeologist with the RCRA Hazardous Waste program. Duties were as follows:

- Supervised the hydrogeologic investigation of hazardous waste sites to determine compliance with Subtitle C requirements.
- Reviewed and wrote "part B" permits for the disposal of hazardous waste.
- Conducted RCRA Corrective Action investigations of waste sites and led inspections that formed the basis for significant enforcement actions that were developed in close coordination with U.S. EPA legal counsel.
- Wrote contract specifications and supervised contractor's investigations of waste sites.

With the National Park Service, Matt directed service-wide investigations of contaminant sources to prevent degradation of water quality, including the following tasks:

- Applied pertinent laws and regulations including CERCLA, RCRA, NEPA, NRDA, and the Clean Water Act to control military, mining, and landfill contaminants.
- Conducted watershed-scale investigations of contaminants at parks, including Yellowstone and Olympic National Park.
- Identified high-levels of perchlorate in soil adjacent to a national park in New Mexico and advised park superintendent on appropriate response actions under CERCLA.
- Served as a Park Service representative on the Interagency Perchlorate Steering Committee, a national workgroup.
- Developed a program to conduct environmental compliance audits of all National Parks while serving on a national workgroup.
- Co-authored two papers on the potential for water contamination from the operation of personal watercraft and snowmobiles, these papers serving as the basis for the development of nation-wide policy on the use of these vehicles in National Parks.
- Contributed to the Federal Multi-Agency Source Water Agreement under the Clean Water Action Plan.

Policy:

Served senior management as the Senior Science Policy Advisor with the U.S. Environmental Protection Agency, Region 9.

Activities included the following:

- Advised the Regional Administrator and senior management on emerging issues such as the potential for the gasoline additive MTBE and ammonium perchlorate to contaminate drinking water supplies.
- Shaped EPA's national response to these threats by serving on workgroups and by contributing to guidance, including the Office of Research and Development publication, Oxygenates in Water: Critical Information and Research Needs.
- Improved the technical training of EPA's scientific and engineering staff.
- Earned an EPA Bronze Medal for representing the region's 300 scientists and engineers in negotiations with the Administrator and senior management to better integrate scientific

principles into the policy-making process.
- Established national protocol for the peer review of scientific documents.

Geology:

With the U.S. Forest Service, Matt led investigations to determine hillslope stability of areas proposed for timber harvest in the central Oregon Coast Range. Specific activities were as follows:

- Mapped geology in the field, and used aerial photographic interpretation and mathematical models to determine slope stability.
- Coordinated his research with community members who were concerned with natural resource protection.
- Characterized the geology of an aquifer that serves as the sole source of drinking water for the city of Medford, Oregon.

As a consultant with Dames and Moore, Matt led geologic investigations of two contaminated sites (later listed on the Superfund NPL) in the Portland, Oregon, area and a large hazardous waste site in eastern Oregon. Duties included the following:

- Supervised year-long effort for soil and groundwater sampling.
- Conducted aquifer tests.
- Investigated active faults beneath sites proposed for hazardous waste disposal.

Teaching:

From 1990 to 1998, Matt taught at least one course per semester at the community college and university levels:

- At San Francisco State University, held an adjunct faculty position and taught courses in environmental geology, oceanography (lab and lecture), hydrogeology, and groundwater contamination.
- Served as a committee member for graduate and undergraduate students.
- Taught courses in environmental geology and oceanography at the College of Marin.

Matt is currently a part time geology instructor at Golden West College in Huntington Beach, California where he taught from 2010 to 2014 and in 2017.

Invited Testimony, Reports, Papers and Presentations:

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Presentation to the Public Environmental Law Conference, Eugene, Oregon.

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Invited presentation to U.S. EPA Region 9, San Francisco, California.

Hagemann, M.F., 2005. Use of Electronic Databases in Environmental Regulation, Policy Making and Public Participation. Brownfields 2005, Denver, Coloradao.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Nevada and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Las Vegas, NV (served on conference organizing committee).

Hagemann, M.F., 2004. Invited testimony to a California Senate committee hearing on air toxins at schools in Southern California, Los Angeles.

Brown, A., Farrow, J., Gray, A. and **Hagemann, M.**, 2004. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to the Ground Water and Environmental Law Conference, National Groundwater Association.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Arizona and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Phoenix, AZ (served on conference organizing committee).

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in the Southwestern U.S. Invited presentation to a special committee meeting of the National Academy of Sciences, Irvine, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to a tribal EPA meeting, Pechanga, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to a meeting of tribal repesentatives, Parker, AZ.

Hagemann, M.F., 2003. Impact of Perchlorate on the Colorado River and Associated Drinking Water Supplies. Invited presentation to the Inter-Tribal Meeting, Torres Martinez Tribe.

Hagemann, M.F., 2003. The Emergence of Perchlorate as a Widespread Drinking Water Contaminant. Invited presentation to the U.S. EPA Region 9.

Hagemann, M.F., 2003. A Deductive Approach to the Assessment of Perchlorate Contamination. Invited presentation to the California Assembly Natural Resources Committee.

Hagemann, M.F., 2003. Perchlorate: A Cold War Legacy in Drinking Water. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. From Tank to Tap: A Chronology of MTBE in Groundwater. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. A Chronology of MTBE in Groundwater and an Estimate of Costs to Address Impacts to Groundwater. Presentation to the annual meeting of the Society of Environmental Journalists.

Hagemann, M.F., 2002. An Estimate of the Cost to Address MTBE Contamination in Groundwater (and Who Will Pay). Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to a meeting of the U.S. EPA and State Underground Storage Tank Program managers.

Hagemann, M.F., 2001. From Tank to Tap: A Chronology of MTBE in Groundwater. Unpublished report.

Hagemann, M.F., 2001. Estimated Cleanup Cost for MTBE in Groundwater Used as Drinking Water. Unpublished report.

Hagemann, M.F., 2001. Estimated Costs to Address MTBE Releases from Leaking Underground Storage Tanks. Unpublished report.

Hagemann, M.F., and VanMouwerik, M., 1999. Potential Water Quality Concerns Related to Snowmobile Usage. Water Resources Division, National Park Service, Technical Report.

VanMouwerik, M. and **Hagemann, M.F**. 1999, Water Quality Concerns Related to Personal Watercraft Usage. Water Resources Division, National Park Service, Technical Report.

Hagemann, M.F., 1999, Is Dilution the Solution to Pollution in National Parks? The George Wright Society Biannual Meeting, Asheville, North Carolina.

Hagemann, M.F., 1997, The Potential for MTBE to Contaminate Groundwater. U.S. EPA Superfund Groundwater Technical Forum Annual Meeting, Las Vegas, Nevada.

Hagemann, M.F., and Gill, M., 1996, Impediments to Intrinsic Remediation, Moffett Field Naval Air Station, Conference on Intrinsic Remediation of Chlorinated Hydrocarbons, Salt Lake City.

Hagemann, M.F., Fukunaga, G.L., 1996, The Vulnerability of Groundwater to Anthropogenic Contaminants on the Island of Maui, Hawaii. Hawaii Water Works Association Annual Meeting, Maui, October 1996.

Hagemann, M. F., Fukanaga, G. L., 1996, Ranking Groundwater Vulnerability in Central Oahu, Hawaii. Proceedings, Geographic Information Systems in Environmental Resources Management, Air and Waste Management Association Publication VIP-61.

Hagemann, M.F., 1994. Groundwater Characterization and Cleanup at Closing Military Bases in California. Proceedings, California Groundwater Resources Association Meeting.

Hagemann, M.F. and Sabol, M.A., 1993. Role of the U.S. EPA in the High Plains States Groundwater Recharge Demonstration Program. Proceedings, Sixth Biennial Symposium on the Artificial Recharge of Groundwater.

Hagemann, M.F., 1993. U.S. EPA Policy on the Technical Impracticability of the Cleanup of DNAPL-contaminated Groundwater. California Groundwater Resources Association Meeting.

Hagemann, M.F., 1992. Dense Nonaqueous Phase Liquid Contamination of Groundwater: An Ounce of Prevention... Proceedings, Association of Engineering Geologists Annual Meeting, v. 35.

Other Experience:

Selected as subject matter expert for the California Professional Geologist licensing examinations, 2009-2011.

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

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Paul Rosenfeld, Ph.D.

Chemical Fate and Transport & Air Dispersion Modeling

Principal Environmental Chemist

Risk Assessment & Remediation Specialist

Education

Ph.D. Soil Chemistry, University of Washington, 1999. Dissertation on volatile organic compound filtration.

M.S. Environmental Science, U.C. Berkeley, 1995. Thesis on organic waste economics.

B.A. Environmental Studies, U.C. Santa Barbara, 1991. Focus on wastewater treatment.

Professional Experience

Dr. Rosenfeld has over 25 years of experience conducting environmental investigations and risk assessments for evaluating impacts to human health, property, and ecological receptors. His expertise focuses on the fate and transport of environmental contaminants, human health risk, exposure assessment, and ecological restoration. Dr. Rosenfeld has evaluated and modeled emissions from oil spills, landfills, boilers and incinerators, process stacks, storage tanks, confined animal feeding operations, industrial, military and agricultural sources, unconventional oil drilling operations, and locomotive and construction engines. His project experience ranges from monitoring and modeling of pollution sources to evaluating impacts of pollution on workers at industrial facilities and residents in surrounding communities. Dr. Rosenfeld has also successfully modeled exposure to contaminants distributed by water systems and via vapor intrusion.

Dr. Rosenfeld has investigated and designed remediation programs and risk assessments for contaminated sites containing lead, heavy metals, mold, bacteria, particulate matter, petroleum hydrocarbons, chlorinated solvents, pesticides, radioactive waste, dioxins and furans, semi- and volatile organic compounds, PCBs, PAHs, creosote, perchlorate, asbestos, per- and poly-fluoroalkyl substances (PFOA/PFOS), unusual polymers, fuel oxygenates (MTBE), among other pollutants. Dr. Rosenfeld also has experience evaluating greenhouse gas emissions from various projects and is an expert on the assessment of odors from industrial and agricultural sites, as well as the evaluation of odor nuisance impacts and technologies for abatement of odorous emissions. As a principal scientist at SWAPE, Dr. Rosenfeld directs air dispersion modeling and exposure assessments. He has served as an expert witness and testified about pollution sources causing nuisance and/or personal injury at sites and has testified as an expert witness on numerous cases involving exposure to soil, water and air contaminants from industrial, railroad, agricultural, and military sources.

Professional History:

Soil Water Air Protection Enterprise (SWAPE); 2003 to present; Principal and Founding Partner
UCLA School of Public Health; 2007 to 2011; Lecturer (Assistant Researcher)
UCLA School of Public Health; 2003 to 2006; Adjunct Professor
UCLA Environmental Science and Engineering Program; 2002-2004; Doctoral Intern Coordinator
UCLA Institute of the Environment, 2001-2002; Research Associate
Komex H_2O Science, 2001 to 2003; Senior Remediation Scientist
National Groundwater Association, 2002-2004; Lecturer
San Diego State University, 1999-2001; Adjunct Professor
Anteon Corp., San Diego, 2000-2001; Remediation Project Manager
Ogden (now Amec), San Diego, 2000-2000; Remediation Project Manager
Bechtel, San Diego, California, 1999 – 2000; Risk Assessor
King County, Seattle, 1996 – 1999; Scientist
James River Corp., Washington, 1995-96; Scientist
Big Creek Lumber, Davenport, California, 1995; Scientist
Plumas Corp., California and USFS, Tahoe 1993-1995; Scientist
Peace Corps and World Wildlife Fund, St. Kitts, West Indies, 1991-1993; Scientist

Publications:

Rosenfeld P. E., Spaeth K., Hallman R., Bressler R., Smith, G., (2022) Cancer Risk and Diesel Exhaust Exposure Among Railroad Workers. *Water Air Soil Pollution.* **233,** 171.

Remy, L.L., Clay T., Byers, V., **Rosenfeld P. E.** (2019) Hospital, Health, and Community Burden After Oil Refinery Fires, Richmond, California 2007 and 2012. *Environmental Health.* 18:48

Simons, R.A., Seo, Y. **Rosenfeld, P**., (2015) Modeling the Effect of Refinery Emission On Residential Property Value. Journal of Real Estate Research. 27(3):321-342

Chen, J. A, Zapata A. R., Sutherland A. J., Molmen, D.R., Chow, B. S., Wu, L. E., **Rosenfeld, P. E.,** Hesse, R. C., (2012) Sulfur Dioxide and Volatile Organic Compound Exposure To A Community In Texas City Texas Evaluated Using Aermod and Empirical Data. *American Journal of Environmental Science*, 8(6), 622-632.

Rosenfeld, P.E. & Feng, L. (2011). *The Risks of Hazardous Waste.* Amsterdam: Elsevier Publishing.

Cheremisinoff, N.P., & **Rosenfeld, P.E.** (2011). *Handbook of Pollution Prevention and Cleaner Production: Best Practices in the Agrochemical Industry*, Amsterdam: Elsevier Publishing.

Gonzalez, J., Feng, L., Sutherland, A., Waller, C., Sok, H., Hesse, R., **Rosenfeld, P.** (2010). PCBs and Dioxins/Furans in Attic Dust Collected Near Former PCB Production and Secondary Copper Facilities in Sauget, IL. *Procedia Environmental Sciences*. 113–125.

Feng, L., Wu, C., Tam, L., Sutherland, A.J., Clark, J.J., **Rosenfeld, P.E.** (2010). Dioxin and Furan Blood Lipid and Attic Dust Concentrations in Populations Living Near Four Wood Treatment Facilities in the United States. *Journal of Environmental Health*. 73(6), 34-46.

Cheremisinoff, N.P., & **Rosenfeld, P.E.** (2010). *Handbook of Pollution Prevention and Cleaner Production: Best Practices in the Wood and Paper Industries.* Amsterdam: Elsevier Publishing.

Cheremisinoff, N.P., & **Rosenfeld, P.E.** (2009). *Handbook of Pollution Prevention and Cleaner Production: Best Practices in the Petroleum Industry*. Amsterdam: Elsevier Publishing.

Wu, C., Tam, L., Clark, J., **Rosenfeld, P**. (2009). Dioxin and furan blood lipid concentrations in populations living near four wood treatment facilities in the United States. *WIT Transactions on Ecology and the Environment, Air Pollution,* 123 (17), 319-327.

Tam L. K.., Wu C. D., Clark J. J. and **Rosenfeld, P.E.** (2008). A Statistical Analysis Of Attic Dust And Blood Lipid Concentrations Of Tetrachloro-p-Dibenzodioxin (TCDD) Toxicity Equivalency Quotients (TEQ) In Two Populations Near Wood Treatment Facilities. *Organohalogen Compounds*, 70, 002252-002255.

Tam L. K.., Wu C. D., Clark J. J. and **Rosenfeld, P.E.** (2008). Methods For Collect Samples For Assessing Dioxins And Other Environmental Contaminants In Attic Dust: A Review. *Organohalogen Compounds*, 70, 000527-000530.

Hensley, A.R. A. Scott, J. J. J. Clark, **Rosenfeld, P.E.** (2007). Attic Dust and Human Blood Samples Collected near a Former Wood Treatment Facility. *Environmental Research*. 105, 194-197.

Rosenfeld, P.E., J. J. J. Clark, A. R. Hensley, M. Suffet. (2007). The Use of an Odor Wheel Classification for Evaluation of Human Health Risk Criteria for Compost Facilities. *Water Science & Technology* 55(5), 345-357.

Rosenfeld, P. E., M. Suffet. (2007). The Anatomy Of Odour Wheels For Odours Of Drinking Water, Wastewater, Compost And The Urban Environment. *Water Science & Technology* 55(5), 335-344.

Sullivan, P. J. Clark, J.J.J., Agardy, F. J., **Rosenfeld, P.E.** (2007). *Toxic Legacy, Synthetic Toxins in the Food, Water, and Air in American Cities.* Boston Massachusetts: Elsevier Publishing

Rosenfeld, P.E., and Suffet I.H. (2004). Control of Compost Odor Using High Carbon Wood Ash. *Water Science and Technology*. 49(9),171-178.

Rosenfeld P. E., J.J. Clark, I.H. (Mel) Suffet (2004). The Value of An Odor-Quality-Wheel Classification Scheme For The Urban Environment. *Water Environment Federation's Technical Exhibition and Conference (WEFTEC) 2004.* New Orleans, October 2-6, 2004.

Rosenfeld, P.E., and Suffet, I.H. (2004). Understanding Odorants Associated With Compost, Biomass Facilities, and the Land Application of Biosolids. *Water Science and Technology*. 49(9), 193-199.

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Rosenfeld, P. E. (1992). The Mount Liamuiga Crater Trail. *Heritage Magazine of St. Kitts*, 3(2).

Rosenfeld, P. E. (1993). High School Biogas Project to Prevent Deforestation On St. Kitts. *Biomass Users Network*, 7(1).

Rosenfeld, P. E. (1998). Characterization, Quantification, and Control of Odor Emissions From Biosolids Application To Forest Soil. Doctoral Thesis. University of Washington College of Forest Resources.

Rosenfeld, P. E. (1994). Potential Utilization of Small Diameter Trees on Sierra County Public Land. Masters thesis reprinted by the Sierra County Economic Council. Sierra County, California.

Rosenfeld, P. E. (1991). How to Build a Small Rural Anaerobic Digester & Uses Of Biogas In The First And Third World. Bachelors Thesis. University of California.

Presentations:

Rosenfeld, P.E., "The science for Perfluorinated Chemicals (PFAS): What makes remediation so hard?" Law Seminars International, (May 9-10, 2018) 800 Fifth Avenue, Suite 101 Seattle, WA.

Rosenfeld, P.E., Sutherland, A; Hesse, R.; Zapata, A. (October 3-6, 2013). Air dispersion modeling of volatile organic emissions from multiple natural gas wells in Decatur, TX. *44th Western Regional Meeting, American Chemical Society.* Lecture conducted from Santa Clara, CA.

Sok, H.L.; Waller, C.C.; Feng, L.; Gonzalez, J.; Sutherland, A.J.; Wisdom-Stack, T.; Sahai, R.K.; Hesse, R.C.; **Rosenfeld, P.E.** (June 20-23, 2010). Atrazine: A Persistent Pesticide in Urban Drinking Water. *Urban Environmental Pollution*. Lecture conducted from Boston, MA.

Feng, L.; Gonzalez, J.; Sok, H.L.; Sutherland, A.J.; Waller, C.C.; Wisdom-Stack, T.; Sahai, R.K.; La, M.; Hesse, R.C.; **Rosenfeld, P.E.** (June 20-23, 2010). Bringing Environmental Justice to East St. Louis, Illinois. *Urban Environmental Pollution.* Lecture conducted from Boston, MA.

Rosenfeld, P.E. (April 19-23, 2009). Perfluoroctanoic Acid (PFOA) and Perfluoroactane Sulfonate (PFOS) Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States. *2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting*, Lecture conducted from Tuscon, AZ.

Rosenfeld, P.E. (April 19-23, 2009). Cost to Filter Atrazine Contamination from Drinking Water in the United States" Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States. *2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting*. Lecture conducted from Tuscon, AZ.

Wu, C., Tam, L., Clark, J., **Rosenfeld, P**. (20-22 July, 2009). Dioxin and furan blood lipid concentrations in populations living near four wood treatment facilities in the United States. Brebbia, C.A. and Popov, V., eds., *Air Pollution XVII: Proceedings of the Seventeenth International Conference on Modeling, Monitoring and Management of Air Pollution*. Lecture conducted from Tallinn, Estonia.

Rosenfeld, P. E. (October 15-18, 2007). Moss Point Community Exposure To Contaminants From A Releasing Facility. *The 23rd Annual International Conferences on Soils Sediment and Water.* Platform lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (October 15-18, 2007). The Repeated Trespass of Tritium-Contaminated Water Into A Surrounding Community Form Repeated Waste Spills From A Nuclear Power Plant. *The 23rd Annual International Conferences on Soils Sediment and Water*. Platform lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (October 15-18, 2007). Somerville Community Exposure To Contaminants From Wood Treatment Facility Emissions. The *23rd Annual International Conferences on Soils Sediment and Water*. Lecture conducted from University of Massachusetts, Amherst MA.

Rosenfeld P. E. (March 2007). Production, Chemical Properties, Toxicology, & Treatment Case Studies of 1,2,3-Trichloropropane (TCP). *The Association for Environmental Health and Sciences (AEHS) Annual Meeting*. Lecture conducted from San Diego, CA.

Rosenfeld P. E. (March 2007). Blood and Attic Sampling for Dioxin/Furan, PAH, and Metal Exposure in Florala, Alabama. *The AEHS Annual Meeting.* Lecture conducted from San Diego, CA.

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (August 21 – 25, 2006). Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility. *The 26th International Symposium on Halogenated Persistent Organic Pollutants – DIOXIN2006*. Lecture conducted from Radisson SAS Scandinavia Hotel in Oslo Norway.

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (November 4-8, 2006). Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility. *APHA 134 Annual Meeting & Exposition.* Lecture conducted from Boston Massachusetts.

Paul Rosenfeld Ph.D. (October 24-25, 2005). Fate, Transport and Persistence of PFOA and Related Chemicals. Mealey's C8/PFOA. *Science, Risk & Litigation Conference.* Lecture conducted from The Rittenhouse Hotel, Philadelphia, PA.

Paul Rosenfeld Ph.D. (September 19, 2005). Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, *Toxicology and Remediation PEMA Emerging Contaminant Conference*. Lecture conducted from Hilton Hotel, Irvine California.

Paul Rosenfeld Ph.D. (September 19, 2005). Fate, Transport, Toxicity, And Persistence of 1,2,3-TCP. *PEMA Emerging Contaminant Conference.* Lecture conducted from Hilton Hotel in Irvine, California.

Paul Rosenfeld Ph.D. (September 26-27, 2005). Fate, Transport and Persistence of PDBEs. *Mealey's Groundwater Conference.* Lecture conducted from Ritz Carlton Hotel, Marina Del Ray, California.

Paul Rosenfeld Ph.D. (June 7-8, 2005). Fate, Transport and Persistence of PFOA and Related Chemicals. *International Society of Environmental Forensics: Focus On Emerging Contaminants*. Lecture conducted from Sheraton Oceanfront Hotel, Virginia Beach, Virginia.

Paul Rosenfeld Ph.D. (July 21-22, 2005). Fate Transport, Persistence and Toxicology of PFOA and Related Perfluorochemicals. *2005 National Groundwater Association Ground Water And Environmental Law Conference*. Lecture conducted from Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld Ph.D. (July 21-22, 2005). Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, Toxicology and Remediation. *2005 National Groundwater Association Ground Water and Environmental Law Conference.* Lecture conducted from Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. and Rob Hesse R.G. (May 5-6, 2004). Tert-butyl Alcohol Liability and Toxicology, A National Problem and Unquantified Liability. *National Groundwater Association. Environmental Law Conference*. Lecture conducted from Congress Plaza Hotel, Chicago Illinois.

Paul Rosenfeld, Ph.D. (March 2004). Perchlorate Toxicology. *Meeting of the American Groundwater Trust*. Lecture conducted from Phoenix Arizona.

Hagemann, M.F., **Paul Rosenfeld, Ph.D.** and Rob Hesse (2004). Perchlorate Contamination of the Colorado River. *Meeting of tribal representatives*. Lecture conducted from Parker, AZ.

Paul Rosenfeld, Ph.D. (April 7, 2004). A National Damage Assessment Model For PCE and Dry Cleaners. *Drycleaner Symposium. California Ground Water Association*. Lecture conducted from Radison Hotel, Sacramento, California.

Rosenfeld, P. E., Grey, M., (June 2003) Two stage biofilter for biosolids composting odor control. *Seventh International In Situ And On Site Bioremediation Symposium Battelle Conference* Orlando, FL.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. (February 20-21, 2003) Understanding Historical Use, Chemical Properties, Toxicity and Regulatory Guidance of 1,4 Dioxane. *National Groundwater Association. Southwest Focus Conference. Water Supply and Emerging Contaminants*.. Lecture conducted from Hyatt Regency Phoenix Arizona.

Paul Rosenfeld, Ph.D. (February 6-7, 2003). Underground Storage Tank Litigation and Remediation. *California CUPA Forum*. Lecture conducted from Marriott Hotel, Anaheim California.

Paul Rosenfeld, Ph.D. (October 23, 2002) Underground Storage Tank Litigation and Remediation. *EPA Underground Storage Tank Roundtable*. Lecture conducted from Sacramento California.

Rosenfeld, P.E. and Suffet, M. (October 7- 10, 2002). Understanding Odor from Compost, *Wastewater and Industrial Processes. Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association*. Lecture conducted from Barcelona Spain.

Rosenfeld, P.E. and Suffet, M. (October 7- 10, 2002). Using High Carbon Wood Ash to Control Compost Odor. *Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association*. Lecture conducted from Barcelona Spain.

Rosenfeld, P.E. and Grey, M. A. (September 22-24, 2002). Biocycle Composting For Coastal Sage Restoration. *Northwest Biosolids Management Association*. Lecture conducted from Vancouver Washington..

Rosenfeld, P.E. and Grey, M. A. (November 11-14, 2002). Using High-Carbon Wood Ash to Control Odor at a Green Materials Composting Facility. *Soil Science Society Annual Conferenc*e. Lecture conducted from Indianapolis, Maryland.

Rosenfeld. P.E. (September 16, 2000). Two stage biofilter for biosolids composting odor control. *Water Environment Federation.* Lecture conducted from Anaheim California.

Rosenfeld. P.E. (October 16, 2000). Wood ash and biofilter control of compost odor. *Biofest.* Lecture conducted from Ocean Shores, California.

Rosenfeld, P.E. (2000). Bioremediation Using Organic Soil Amendments. *California Resource Recovery Association*. Lecture conducted from Sacramento California.

Rosenfeld, P.E., C.L. Henry, R. Harrison. (1998). Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. *Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings*. Lecture conducted from Bellevue Washington.

Rosenfeld, P.E., and C.L. Henry. (1999). An evaluation of ash incorporation with biosolids for odor reduction. *Soil Science Society of America*. Lecture conducted from Salt Lake City Utah.

Rosenfeld, P.E., C.L. Henry, R. Harrison. (1998). Comparison of Microbial Activity and Odor Emissions from Three Different Biosolids Applied to Forest Soil. *Brown and Caldwell.* Lecture conducted from Seattle Washington.

Rosenfeld, P.E., C.L. Henry. (1998). Characterization, Quantification, and Control of Odor Emissions from Biosolids Application To Forest Soil. *Biofest.* Lecture conducted from Lake Chelan, Washington.

Rosenfeld, P.E, C.L. Henry, R. Harrison. (1998). Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings. Lecture conducted from Bellevue Washington.

Rosenfeld, P.E., C.L. Henry, R. B. Harrison, and R. Dills. (1997). Comparison of Odor Emissions From Three Different Biosolids Applied to Forest Soil. *Soil Science Society of America*. Lecture conducted from Anaheim California.

Teaching Experience:

UCLA Department of Environmental Health (Summer 2003 through 20010) Taught Environmental Health Science 100 to students, including undergrad, medical doctors, public health professionals and nurses. Course focused on the health effects of environmental contaminants.

National Ground Water Association, Successful Remediation Technologies. Custom Course in Sante Fe, New Mexico. May 21, 2002. Focused on fate and transport of fuel contaminants associated with underground storage tanks.

National Ground Water Association; Successful Remediation Technologies Course in Chicago Illinois. April 1, 2002. Focused on fate and transport of contaminants associated with Superfund and RCRA sites.

California Integrated Waste Management Board, April and May, 2001. Alternative Landfill Caps Seminar in San Diego, Ventura, and San Francisco. Focused on both prescriptive and innovative landfill cover design.

UCLA Department of Environmental Engineering, February 5, 2002. Seminar on Successful Remediation Technologies focusing on Groundwater Remediation.

University Of Washington, Soil Science Program, Teaching Assistant for several courses including: Soil Chemistry, Organic Soil Amendments, and Soil Stability.

U.C. Berkeley, Environmental Science Program Teaching Assistant for Environmental Science 10.

Academic Grants Awarded:

California Integrated Waste Management Board. $41,000 grant awarded to UCLA Institute of the Environment. Goal: To investigate effect of high carbon wood ash on volatile organic emissions from compost. 2001.

Synagro Technologies, Corona California: $10,000 grant awarded to San Diego State University.
Goal: investigate effect of biosolids for restoration and remediation of degraded coastal sage soils. 2000.

King County, Department of Research and Technology, Washington State. $100,000 grant awarded to University of Washington: Goal: To investigate odor emissions from biosolids application and the effect of polymers and ash on VOC emissions. 1998.

Northwest Biosolids Management Association, Washington State. $20,000 grant awarded to investigate effect of polymers and ash on VOC emissions from biosolids. 1997.

James River Corporation, Oregon: $10,000 grant was awarded to investigate the success of genetically engineered Poplar trees with resistance to round-up. 1996.

United State Forest Service, Tahoe National Forest: $15,000 grant was awarded to investigating fire ecology of the Tahoe National Forest. 1995.

Kellogg Foundation, Washington D.C. $500 grant was awarded to construct a large anaerobic digester on St. Kitts in West Indies. 1993

Deposition and/or Trial Testimony:

In the Superior Court of the State of California, County of San Bernardino
Billy Wildrick, Plaintiff vs. BNSF Railway Company
Case No. CIVDS1711810
Rosenfeld Deposition 10-17-2022

In the State Court of Bibb County, State of Georgia
Richard Hutcherson, Plaintiff vs Norfolk Southern Railway Company
Case No. 10-SCCV-092007
Rosenfeld Deposition 10-6-2022

In the Civil District Court of the Parish of Orleans, State of Louisiana
Millard Clark, Plaintiff vs. Dixie Carriers, Inc. et al.
Case No. 2020-03891
Rosenfeld Deposition 9-15-2022

In The Circuit Court of Livingston County, State of Missouri, Circuit Civil Division
Shirley Ralls, Plaintiff vs. Canadian Pacific Railway and Soo Line Railroad
Case No. 18-LV-CC0020
Rosenfeld Deposition 9-7-2022

In The Circuit Court of the 13th Judicial Circuit Court, Hillsborough County, Florida Civil Division
Jonny C. Daniels, Plaintiff vs. CSX Transportation Inc.
Case No. 20-CA-5502
Rosenfeld Deposition 9-1-2022

In The Circuit Court of St. Louis County, State of Missouri
Kieth Luke et. al. Plaintiff vs. Monsanto Company et. al.
Case No. 19SL-CC03191
Rosenfeld Deposition 8-25-2022

In The Circuit Court of the 13th Judicial Circuit Court, Hillsborough County, Florida Civil Division
Jeffery S. Lamotte, Plaintiff vs. CSX Transportation Inc.
Case No. NO. 20-CA-0049
Rosenfeld Deposition 8-22-2022

In State of Minnesota District Court, County of St. Louis Sixth Judicial District
Greg Bean, Plaintiff vs. Soo Line Railroad Company
Case No. 69-DU-CV-21-760
Rosenfeld Deposition 8-17-2022

In United States District Court Western District of Washington at Tacoma, Washington
John D. Fitzgerald Plaintiff vs. BNSF
Case No. 3:21-cv-05288-RJB
Rosenfeld Deposition 8-11-2022

In Circuit Court of the Sixth Judicial Circuit, Macon Illinois
Rocky Bennyhoff Plaintiff vs. Norfolk Southern
Case No. 20-L-56
Rosenfeld Deposition 8-3-2022

In Court of Common Pleas, Hamilton County Ohio
Joe Briggins Plaintiff vs. CSX
Case No. A2004464
Rosenfeld Deposition 6-17-2022

In the Superior Court of the State of California, County of Kern
George LaFazia vs. BNSF Railway Company.
Case No. BCV-19-103087
Rosenfeld Deposition 5-17-2022

In the Circuit Court of Cook County Illinois
Bobby Earles vs. Penn Central et. al.
Case No. 2020-L-000550
Rosenfeld Deposition 4-16-2022

In United States District Court Easter District of Florida
Albert Hartman Plaintiff vs. Illinois Central
Case No. 2:20-cv-1633
Rosenfeld Deposition 4-4-2022

In the Circuit Court of the 4th Judicial Circuit, in and For Duval County, Florida
Barbara Steele vs. CSX Transportation
Case No.16-219-Ca-008796
Rosenfeld Deposition 3-15-2022

In United States District Court Easter District of New York
Romano et al. vs. Northrup Grumman Corporation
Case No. 16-cv-5760
Rosenfeld Deposition 3-10-2022

In the Circuit Court of Cook County Illinois
Linda Benjamin vs. Illinois Central
Case No. No. 2019 L 007599
Rosenfeld Deposition 1-26-2022

In the Circuit Court of Cook County Illinois
Donald Smith vs. Illinois Central
Case No. No. 2019 L 003426
Rosenfeld Deposition 1-24-2022

In the Circuit Court of Cook County Illinois
Jan Holeman vs. BNSF
Case No. 2019 L 000675
Rosenfeld Deposition 1-18-2022

In the State Court of Bibb County State of Georgia
Dwayne B. Garrett vs. Norfolk Southern
Case No. 20-SCCV-091232
Rosenfeld Deposition 11-10-2021

In the Circuit Court of Cook County Illinois
Joseph Ruepke vs. BNSF
Case No. 2019 L 007730
Rosenfeld Deposition 11-5-2021

In the United States District Court For the District of Nebraska
Steven Gillett vs. BNSF
Case No. 4:20-cv-03120
Rosenfeld Deposition 10-28-2021

In the Montana Thirteenth District Court of Yellowstone County
James Eadus vs. Soo Line Railroad and BNSF
Case No. DV 19-1056
Rosenfeld Deposition 10-21-2021

In the Circuit Court Of The Twentieth Judicial Circuit, St Clair County, Illinois
Martha Custer et al.cvs. Cerro Flow Products, Inc.
Case No. 0i9-L-2295
Rosenfeld Deposition 5-14-2021
Trial October 8-4-2021

In the Circuit Court of Cook County Illinois
Joseph Rafferty vs. Consolidated Rail Corporation and National Railroad Passenger Corporation d/b/a AMTRAK,
Case No. 18-L-6845
Rosenfeld Deposition 6-28-2021

In the United States District Court For the Northern District of Illinois
Theresa Romcoe vs. Northeast Illinois Regional Commuter Railroad Corporation d/b/a METRA Rail
Case No. 17-cv-8517
Rosenfeld Deposition 5-25-2021

In the Superior Court of the State of Arizona In and For the Cunty of Maricopa
Mary Tryon et al. vs. The City of Pheonix v. Cox Cactus Farm, L.L.C., Utah Shelter Systems, Inc.
Case No. CV20127-094749
Rosenfeld Deposition 5-7-2021

In the United States District Court for the Eastern District of Texas Beaumont Division
Robinson, Jeremy et al vs. CNA Insurance Company et al.
Case No. 1:17-cv-000508
Rosenfeld Deposition 3-25-2021

In the Superior Court of the State of California, County of San Bernardino
Gary Garner, Personal Representative for the Estate of Melvin Garner vs. BNSF Railway Company.
Case No. 1720288
Rosenfeld Deposition 2-23-2021

In the Superior Court of the State of California, County of Los Angeles, Spring Street Courthouse
Benny M Rodriguez vs. Union Pacific Railroad, A Corporation, et al.
Case No. 18STCV01162
Rosenfeld Deposition 12-23-2020

In the Circuit Court of Jackson County, Missouri
Karen Cornwell, Plaintiff, vs. Marathon Petroleum, LP, Defendant.
Case No. 1716-CV10006
Rosenfeld Deposition 8-30-2019

In the United States District Court For The District of New Jersey
Duarte et al, Plaintiffs, vs. United States Metals Refining Company et. al. Defendant.
Case No. 2:17-cv-01624-ES-SCM
Rosenfeld Deposition 6-7-2019

In the United States District Court of Southern District of Texas Galveston Division
M/T Carla Maersk vs. Conti 168., Schiffahrts-GMBH & Co. Bulker KG MS "Conti Perdido" Defendant.
Case No. 3:15-CV-00106 consolidated with 3:15-CV-00237
Rosenfeld Deposition 5-9-2019

In The Superior Court of the State of California In And For The County Of Los Angeles – Santa Monica
Carole-Taddeo-Bates et al., vs. Ifran Khan et al., Defendants
Case No. BC615636
Rosenfeld Deposition 1-26-2019

In The Superior Court of the State of California In And For The County Of Los Angeles – Santa Monica
The San Gabriel Valley Council of Governments et al. vs El Adobe Apts. Inc. et al., Defendants
Case No. BC646857
Rosenfeld Deposition 10-6-2018; Trial 3-7-19

In United States District Court For The District of Colorado
Bells et al. Plaintiffs vs. The 3M Company et al., Defendants
Case No. 1:16-cv-02531-RBJ
Rosenfeld Deposition 3-15-2018 and 4-3-2018

In The District Court Of Regan County, Texas, 112th Judicial District
Phillip Bales et al., Plaintiff vs. Dow Agrosciences, LLC, et al., Defendants
Cause No. 1923
Rosenfeld Deposition 11-17-2017

In The Superior Court of the State of California In And For The County Of Contra Costa
Simons et al., Plaintifs vs. Chevron Corporation, et al., Defendants
Cause No. C12-01481
Rosenfeld Deposition 11-20-2017

In The Circuit Court Of The Twentieth Judicial Circuit, St Clair County, Illinois
Martha Custer et al., Plaintiff vs. Cerro Flow Products, Inc., Defendants
Case No.: No. 0i9-L-2295
Rosenfeld Deposition 8-23-2017

In United States District Court For The Southern District of Mississippi
Guy Manuel vs. The BP Exploration et al., Defendants
Case No. 1:19-cv-00315-RHW
Rosenfeld Deposition 4-22-2020

In The Superior Court of the State of California, For The County of Los Angeles
Warrn Gilbert and Penny Gilber, Plaintiff vs. BMW of North America LLC
Case No. LC102019 (c/w BC582154)
Rosenfeld Deposition 8-16-2017, Trail 8-28-2018

In the Northern District Court of Mississippi, Greenville Division
Brenda J. Cooper, et al., Plaintiffs, vs. Meritor Inc., et al., Defendants
Case No. 4:16-cv-52-DMB-JVM
Rosenfeld Deposition July 2017

In The Superior Court of the State of Washington, County of Snohomish
Michael Davis and Julie Davis et al., Plaintiff vs. Cedar Grove Composting Inc., Defendants
Case No. 13-2-03987-5
Rosenfeld Deposition, February 2017
Trial March 2017

In The Superior Court of the State of California, County of Alameda
Charles Spain., Plaintiff vs. Thermo Fisher Scientific, et al., Defendants
Case No. RG14711115
Rosenfeld Deposition September 2015

In The Iowa District Court In And For Poweshiek County
Russell D. Winburn, et al., Plaintiffs vs. Doug Hoksbergen, et al., Defendants
Case No. LALA002187
Rosenfeld Deposition August 2015

In The Circuit Court of Ohio County, West Virginia
Robert Andrews, et al. v. Antero, et al.
Civil Action No. 14-C-30000
Rosenfeld Deposition June 2015

In The Iowa District Court for Muscatine County
Laurie Freeman et. al. Plaintiffs vs. Grain Processing Corporation, Defendant
Case No. 4980
Rosenfeld Deposition May 2015

In the Circuit Court of the 17th Judicial Circuit, in and For Broward County, Florida
Walter Hinton, et. al. Plaintiff, vs. City of Fort Lauderdale, Florida, a Municipality, Defendant.
Case No. CACE07030358 (26)
Rosenfeld Deposition December 2014

In the County Court of Dallas County Texas
Lisa Parr et al, Plaintiff, vs. Aruba et al, Defendant.
Case No. cc-11-01650-E
Rosenfeld Deposition: March and September 2013
Rosenfeld Trial April 2014

In the Court of Common Pleas of Tuscarawas County Ohio
John Michael Abicht, et al., Plaintiffs, vs. Republic Services, Inc., et al., Defendants
Case No. 2008 CT 10 0741 (Cons. w/ 2009 CV 10 0987)
Rosenfeld Deposition October 2012

In the United States District Court for the Middle District of Alabama, Northern Division
James K. Benefield, et al., Plaintiffs, vs. International Paper Company, Defendant.
Civil Action No. 2:09-cv-232-WHA-TFM
Rosenfeld Deposition July 2010, June 2011

In the Circuit Court of Jefferson County Alabama
Jaeanette Moss Anthony, et al., Plaintiffs, vs. Drummond Company Inc., et al., Defendants
Civil Action No. CV 2008-2076
Rosenfeld Deposition September 2010

In the United States District Court, Western District Lafayette Division
Ackle et al., Plaintiffs, vs. Citgo Petroleum Corporation, et al., Defendants.
Case No. 2:07CV1052
Rosenfeld Deposition July 2009

EXHIBIT B

Shawn Smallwood, PhD
3108 Finch Street
Davis, CA 95616

Richard Drury
Lozeau Drury LLP
1939 Harrison Street, Suite 150
Oakland, CA 94612

11 April 2024

RE: Sunset and Everett Project

Dear Mr. Drury,

I write to comment on a Sustainable Communities Environmental Assessment (SCEA) prepared by City of Los Angeles (2024) for a proposed project at Sunset Boulevard and Everett Street, where I understand 86- and 91-foot-tall buildings would include 327 residential units on 321,200 square feet of floor space, all on 2.5 acres.

My qualifications for preparing expert comments are the following. I hold a Ph.D. degree in Ecology from University of California at Davis, where I also worked as a post-graduate researcher in the Department of Agronomy and Range Sciences. My research has been on animal density and distribution, habitat selection, wildlife interactions with the anthrosphere, and conservation of rare and endangered species. I authored many papers on these and other topics. I served as Chair of the Conservation Affairs Committee for The Wildlife Society – Western Section. I am a member of The Wildlife Society and Raptor Research Foundation, and I've lectured part-time at California State University, Sacramento. I was Associate Editor of wildlife biology's premier scientific journal, The Journal of Wildlife Management, as well as of Biological Conservation, and I was on the Editorial Board of Environmental Management. I have performed wildlife surveys in California for thirty-seven years. My CV is attached.

SITE VISIT

On my behalf Noriko Smallwood, who is a wildlife biologist with a Master's Degree from California State University Los Angeles, visited the site of the proposed project for 2.82 hours from 06:45 to 109:34 hours on 7 April 2024. She walked the site's perimeter, stopping to scan for wildlife with use of binoculars. Noriko recorded all species of vertebrate wildlife she detected, including those whose members flew over the site or were seen nearby, off the site. Animals of uncertain species identity were either omitted or, if possible, recorded to the Genus or higher taxonomic level.

Conditions were partly cloudy with a slight north wind and 46° to 55° F. The site contained concrete pads of previous buildings, but was mostly overgrown with native and non-native shrubs, trees, and annual grass (Photos 1–3). These trees and shrubs and the overlying airspace of the project site support many species of vertebrate wildlife.

Photos 1–3. *Views of the project site, 7 April 2024. Photos by Noriko Smallwood.*

Noriko detected 30 species of vertebrate wildlife at or adjacent to the project site, including four species with special status (Table 1). Noriko saw Cooper's hawk and red-tailed hawk (Photos 4 and 5), California gull (Photo 6), Allen's hummingbird and hooded oriole (Photos 7 and 8), Cassin's kingbird and California scrub-jay (Photos 9 and 10), house sparrow and California towhee (Photos 11 and 12), white-throated swift and barn swallow (Photos 13 and 14), lesser goldfinch (Photos 15 and 16), mourning dove and Eurasian collared-dove (Photos 17 and 18), house finch and northern mockingbird

(Photos 19 and 20), Canada goose (Photo 21), European starling (Photo 22), acorn woodpecker and common raven (Photo 23 and 24), California ground squirrel (Photo 25), among the other species listed in Table 1.

Signs of breeding on and near the site abounded. California towhee, house finch, and house sparrow were actively gathering nest material from the site for nests on and near the site. Lesser goldfinches were paired up and will likely nest on or near the site. Northern mockingbirds were very territorial and will likely nest on or near the site. An Allen's hummingbird displayed to another Allen's hummingbird and was very territorial, indicating they will likely nest on or near the site. Cassin's kingbirds chased each other indicating they will likely nest soon. Birds were very busy on site and the site has a large capacity to support nesting and foraging birds.

Noriko Smallwood certifies that the foregoing and following survey results are true and accurately reported.

Noriko Smallwood

Photos 4 and 5. *Cooper's hawk soaring over the project site (left) and red-tailed hawk flying from one branch to another on the project site (right), 7 April 2024. Photos by Noriko Smallwood. Note the Cooper's hawk is looking down to search the site for prey items.*

Photo 6. *California gulls flying over the project site, 7 April 2024. Photo by Noriko Smallwood.*

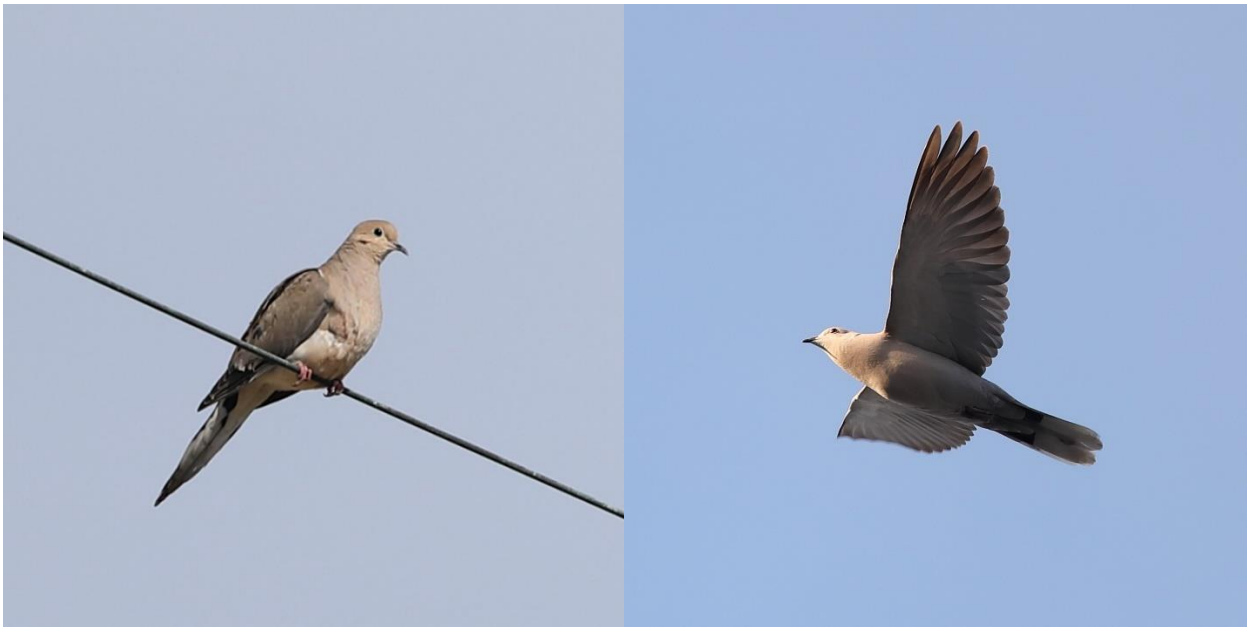
Photos 7 and 8. *Allen's hummingbird (left) and hooded oriole (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 9 and 10. *Cassin's kingbird on the project site (left), and California scrub-jay right next to the project site (right), 7 April 2024. Photos by Noriko Smallwood.*

Photos 11 and 12. *House sparrow with nest material (left) and California towhee (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 13 and 14. *White-throated swifts (left) and barn swallow (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 15 and 16. *Lesser goldfinch male (left) and female (right) foraging on plants on the project site, 7 April 2024. Photos by Noriko Smallwood.*

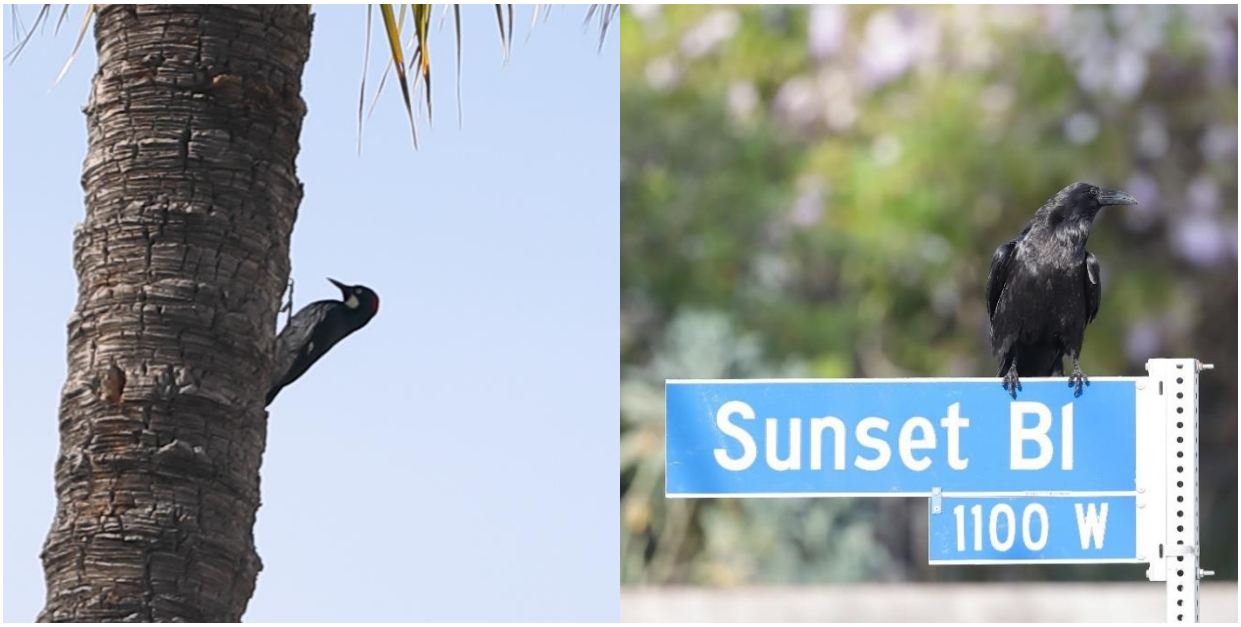


Photos 17 and 18. *Mourning dove (left) and Eurasian collared-dove (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photos 19 and 20. *House finch (left) and northern mockingbird (right), on the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photo 21. *Canada goose flying over the project site, 7 April 2024. Photo by Noriko Smallwood.*

Photo 22. *European starling on the project site, 7 April 2024. Photo by Noriko Smallwood.*



Photos 23 and 24. *Acorn woodpecker (left) and common raven (right), right next to the project site, 7 April 2024. Photos by Noriko Smallwood.*

Photo 25. *California ground squirrel on the project site, 7 April 2024. Photo by Noriko Smallwood.*

Table 1. *Species of wildlife Noriko observed during 2.82 hours of survey on 7 April 2024.*

Common name	***Species name***	**Status**[1]	**Notes**
Canada goose	*Branta canadensis*		Two flew over
Rock pigeon	*Columba livia*	Non-native	Utilized site throughout survey
Eurasian collared-dove	*Streptopelia decaocto*	Non-native	Flew over
Mourning dove	*Zenaida macroura*		Perched
White-throated swift	*Aeronautes saxatalis*		Foraged over site
Anna's hummingbird	*Calypte anna*		Perched, territorial
Allen's hummingbird	*Selasphorus sasin*	BCC	Perched, territorial
California gull	*Larus californicus*	BCC, TWL	Flew over, calling
Cooper's hawk	*Accipiter cooperii*	TWL, BOP	Flew low over site then circled
Red-tailed hawk	*Buteo jamaicensis*	BOP	Perched on pole and trees on site, flew low over site
Acorn woodpecker	*Melanerpes formicivorus*		Next to site on palm tree
Cassin's kingbird	*Tyrannus vociferans*		Perched on palm trees, chased each other
Black phoebe	*Sayornis nigricans*		Perched on tree
California scrub-jay	*Aphelocoma californica*		Perched on tree next to site
American crow	*Corvus brachyrhynchos*		Perched, flew over, socialized
Common raven	*Corvus corax*		Perched, flew over, foraged
Barn swallow	*Hirundo rustica*		Flew over
Bushtit	*Psaltriparus minimus*		Foraged in trees
House wren	*Troglodytes aedon*		Sang from trees
Northern mockingbird	*Mimus polyglottos*		Perched, sang, territorial
European starling	*Sturnus vulgaris*	Non-native	Perched, flew over
House sparrow	*Passer domesticus*	Non-native	Gathered nest material
House finch	*Haemorphous mexicanus*		Gathered nest material
Lesser goldfinch	*Spinus psaltria*		Foraged on plants
California towhee	*Melozone crissalis*		Gathered nest material
Hooded oriole	*Icterus cucullatus*		Perched on palm trees
House cat	*Felis catus*	Non-native	Near a house next to the site
Eastern fox squirrel	*Sciurus niger*	Non-native	On wires and trees
California ground squirrel	*Otospermophilus beecheyi*		One in dumpster with sticks
Botta's pocket gopher	*Thomomys bottae*		Burrows next to site

[1] Listed as BCC = U.S. Fish and Wildlife Service Bird of Conservation Concern, TWL = Taxa to Watch List (Shuford and Gardali 2008), and BOP = Birds of Prey (California Fish and Game Code 3503.5).

Based on Noriko's survey findings, I am certain that at least four sensitive species of vertebrate wildlife occur at the project site. Making direct use of the trees and shrubs on the project site were special-status species including Allen's hummingbird and red-tailed hawk. The project site is habitat of these species.

California gull, Cooper's hawk, Allen's hummingbird, and red-tailed hawk made use of that portion of the aerosphere that the proposed buildings would displace. The aerosphere of the project site is habitat of these species.

Based on habitat associations, special-status species I expect to use the project site as habitat, but which have yet to be detected there, include monarch, rufous hummingbird, Costa's hummingbird, sharp-shinned hawk, red-shouldered hawk, Peregrine falcon, Nuttall's woodpecker, Bullock's oriole, western gull, Vaux swift, and at least several of the bat species in Table 2. The project site most likely is habitat of these special-status species, and of others in Table 2.

Considering Noriko's brief time at the project site, many species of wildlife were detected. The species Noriko detected included four special-status species, all of which are sensitive species whose presence obligates my determination that sensitive species occur on the project site. They do. Species listed by the US Fish and Wildlife Service as Birds of Conservation Concern and the Taxa to Watch List were prevalent on site, and species protected by California as Birds of Prey were utilizing the site as hunting grounds. Most of the birds in Table 1 are protected by the Migratory Bird Treaty Act and by the California Bird Protection Act, largely because birds are sensitive to disturbances to their nest attempts. The evidence is overwhelming that the project site provides habitat for protected species identified as candidate, sensitive, or species of special status by state or federal agencies, and fully protected species.

However, I must point out that the species of wildlife Noriko detected at the project site comprised only a sampling of the species that were present during her survey. I fit a nonlinear regression model to the cumulative number of vertebrate species detected with time into Noriko's 7 April 2024 survey to predict the number of species that she would have detected with a longer survey or perhaps with additional biologists available to assist. The model is a logistic growth model which reaches an asymptote that corresponds with the maximum number of vertebrate wildlife species that could have been detected during the survey. In this case, the model predicts many more species of vertebrate wildlife were available to be detected had Noriko's survey effort increased on the morning of 7 April 2024 (Figure 1). Unfortunately, I do not know the identities of the undetected species, but the pattern in Noriko's data indicates relatively high use of the project site compared to 10 surveys at other sites she and I have completed in southern California relatively near the coast. Compared to models fit to data we collected from other sites in the region between 2019 and 2023, the data from the project site follows along the upper bound of the 95% confidence interval of the rate of accumulated species detections with time into the survey (Figure 1). Importantly, however, the species that Noriko did and did not detect on 7 April 2024 composed only a fraction of the species that would occur at the project site over the period of a year or longer. This is because many species are seasonal in their occurrence.

Table 2. *Occurrence likelihoods of special-status bird species at or near the proposed project site, according to eBird/iNaturalist records (https://eBird.org, https://www.inaturalist.org) and on-site survey findings, where 'Very close' indicates within 1.5 miles of the site, "nearby" indicates within 1.5 and 4 miles, and "in region" indicates within 4 and 30 miles, and 'in range' means the species' geographic range overlaps the site. Entries in bold font identify species observed by Noriko.*

Common name	***Species name***	**Status[1]**	**Databases, Site visit**
Monarch	*Danaus plexippus*	FC	Very close
Crotch's bumble bee	*Bombus crotchii*	CCE	Nearby
Blainville's horned lizard	*Phrynosoma blainvillii*	SSC	In region
Coastal whiptail	*Aspidoscelis tigris stejnegeri*	SSC	In region
San Diegan legless lizard	*Anniella stebbinsi*	SSC	Nearby
Coast patch-nosed snake	*Salvadora hexalepis virgultea*	SSC	In region
Two-striped gartersnake	*Thamnophis hammondii*	SSC	In region
South coast gartersnake	*Thamnophis sirtalis pop. 1*	SSC	In range
Fulvous whistling-duck	*Dendrocygna bicolor*	SSC1	In region
Brant	*Branta bernicla*	SSC2	In region
Cackling goose (Aleutian)	*Branta hutchinsii leucopareia*	WL	Nearby
Redhead	*Aythya americana*	SSC2	Very close
Western grebe	*Aechmophorus occidentalis*	BCC	Very close
Clark's grebe	*Aechmophorus clarkii*	BCC	Nearby
Western yellow-billed cuckoo	*Coccyzus americanus occidentalis*	FT, CE, BCC	In region
Black swift	*Cypseloides niger*	SSC3, BCC	Nearby
Vaux's swift	*Chaetura vauxi*	SSC2, BCC	Very close
Costa's hummingbird	*Calypte costae*	BCC	Very close
Rufous hummingbird	*Selasphorus rufus*	BCC	Very close
Allen's hummingbird	*Selasphorus sasin*	BCC	**On site**
Whimbrel[2]	*Numenius phaeopus*	BCC	Nearby
Long-billed curlew	*Numenius americanus*	WL	In region
Marbled godwit	*Limosa fedoa*	BCC	In region
Short-billed dowitcher	*Limnodromus griseus*	BCC	In region
Willet	*Tringa semipalmata*	BCC	Nearby
American avocet[2]	*Recurvirostra americana*	BCC	Nearby
Laughing gull	*Leucophaeus atricilla*	WL	In region
Heermann's gull	*Larus heermanni*	BCC	In region
Western gull	*Larus occidentalis*	BCC	Very close
California gull	*Larus californicus*	BCC, WL	**On site**
California least tern	*Sternula antillarum browni*	FE, CE, FP	In region
Black tern	*Chlidonias niger*	SSC2, BCC	In region
Elegant tern	*Thalasseus elegans*	BCC, WL	Nearby
Common loon	*Gavia immer*	SSC	Nearby
Double-crested cormorant	*Phalacrocorax auritus*	WL	Very close
American white pelican	*Pelacanus erythrorhynchos*	SSC1, BCC	Very close
Least bittern	*Ixobrychus exilis*	SSC2	In region

Common name	***Species name***	**Status[1]**	**Databases, Site visit**
White-faced ibis	*Plegadis chihi*	WL	Very close
Turkey vulture	*Cathartes aura*	BOP	Very close
Osprey	*Pandion haliaetus*	WL, BOP	Very close
White-tailed kite	*Elanus luecurus*	CFP, BOP	Very close
Golden eagle	*Aquila chrysaetos*	BGEPA, CFP, BOP, WL	Very close
Northern harrier	*Circus cyaneus*	BCC, SSC3, BOP	Very close
Sharp-shinned hawk	*Accipiter striatus*	WL, BOP	Very close
Cooper's hawk	*Accipiter cooperii*	WL, BOP	**On site**
Bald eagle	*Haliaeetus leucocephalus*	CE, BGEPA, CFP	Very close
Red-shouldered hawk	*Buteo lineatus*	BOP	Very close
Swainson's hawk	*Buteo swainsoni*	CT, BOP	Very close
Red-tailed hawk	*Buteo jamaicensis*	BOP	**On site**
Ferruginous hawk	*Buteo regalis*	WL, BOP	Nearby
Zone-tailed hawk	*Buteo albonotatus*	BOP	Nearby
Harris' hawk	*Parabuteo unicinctus*	WL, BOP	In region
Barn owl	*Tyto alba*	BOP	Very close
Western screech-owl	*Megascops kennicotti*	BOP	Very close
Great horned owl	*Bubo virginianus*	BOP	Very close
Burrowing owl	*Athene cunicularia*	BCC, SSC2, BOP	Very close
Long-eared owl	*Asio otus*	BCC, SSC3, BOP	In region
Short-eared owl	*Asia flammeus*	BCC, SSC3, BOP	In region
Lewis's woodpecker	*Melanerpes lewis*	BCC	Very close
Nuttall's woodpecker	*Picoides nuttallii*	BCC	Very close
American kestrel	*Falco sparverius*	BOP	Very close
Merlin	*Falco columbarius*	WL, BOP	Very close
Peregrine falcon	*Falco peregrinus*	BOP	Very close
Prairie falcon	*Falco mexicanus*	WL, BOP	In region
Olive-sided flycatcher	*Contopus cooperi*	BCC, SSC2	Very close
Willow flycatcher	*Empidonax trailii*	CE	Very close
Southwestern willow flycatcher	*Empidonax traillii extimus*	FE, CE	In region
Vermilion flycatcher	*Pyrocephalus rubinus*	SSC2	Nearby
Least Bell's vireo	*Vireo bellii pusillus*	FE, CE	Very close
Loggerhead shrike	*Lanius ludovicianus*	SSC2	Very close
Oak titmouse	*Baeolophus inornatus*	BCC	Very close
California horned lark	*Eremophila alpestris actia*	WL	Nearby
Bank swallow	*Riparia riparia*	CT	Nearby
Purple martin	*Progne subis*	SSC2	Nearby
Wrentit	*Chamaea fasciata*	BCC	Very close
California gnatcatcher	*Polioptila c. californica*	FT, SSC2	In region
California thrasher	*Toxostoma redivivum*	BCC	Very close
Cassin's finch	*Haemorhous cassinii*	BCC	In region
Lawrence's goldfinch	*Spinus lawrencei*	BCC	Very close

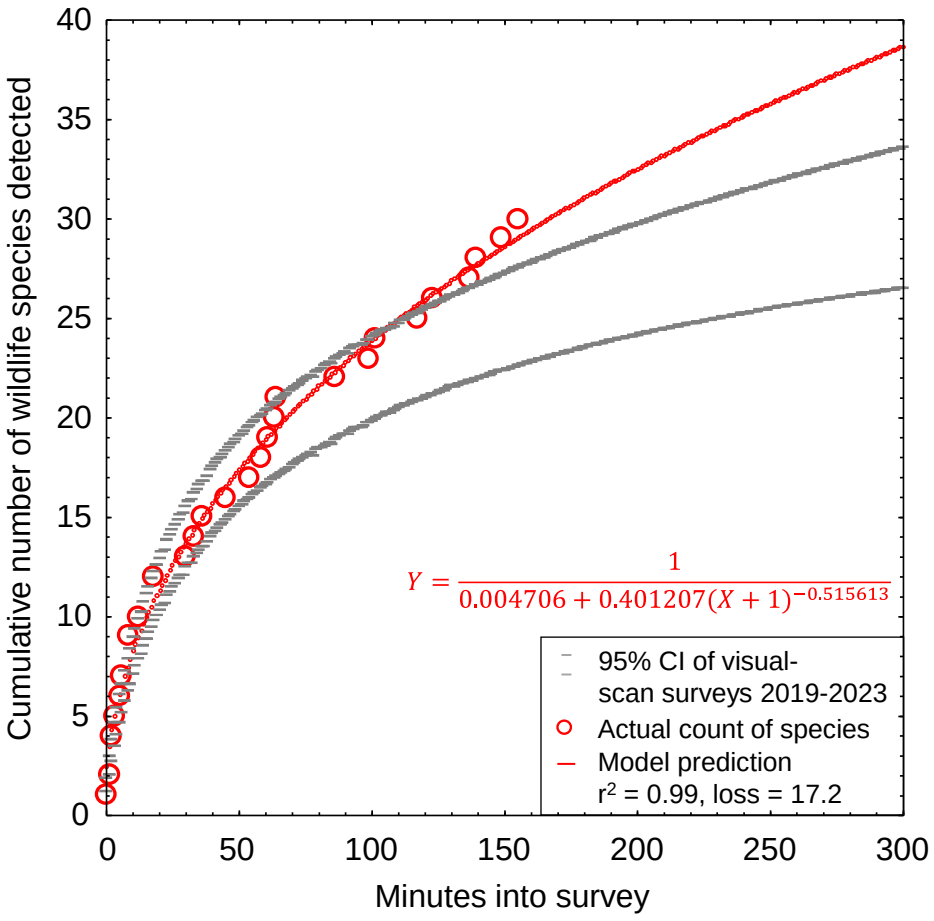
Common name	*Species name*	Status[1]	Databases, Site visit
Grasshopper sparrow	*Ammodramus savannarum*	SSC2	Nearby
Black-chinned sparrow	*Spizella atrogularis*	BCC	In region
Gray-headed junco	*Junco hyemalis caniceps*	WL	Very close
Bell's sparrow	*Amphispiza b. belli*	WL	In region
Southern California rufous-crowned sparrow	*Aimophila ruficeps canescens*	WL	Very close
Yellow-breasted chat	*Icteria virens*	SSC3	Nearby
Yellow-headed blackbird	*X. xanthocephalus*	SSC3	Very close
Bullock's oriole	*Icterus bullockii*	BCC	Very close
Tricolored blackbird	*Agelaius tricolor*	CT, BCC, SSC1	Very close
Lucy's warbler	*Leiothlypis luciae*	SSC3, BCC	Very close
Virginia's warbler	*Leiothlypis virginiae*	WL, BCC	Very close
Yellow warbler	*Setophaga petechia*	SSC2	Very close
Summer tanager	*Piranga rubra*	SSC1	Very close
Pallid bat	*Antrozous pallidus*	SSC, WBWG:H	In range
Townsend's big-eared bat	*Corynorhinus townsendii*	SSC, WBWG:H	In range
Silver-haired bat	*Lasionycteris noctivagans*	WBWG:M	Nearby
Spotted bat	*Euderma maculatum*	SSC, WBWG:H	In range
Hoary bat	*Lasiurus cinereus*	WBWG:M	Nearby
Western yellow bat	*Lasiurus xanthinus*	SSC, WBWG:H	In range
Western small-footed myotis	*Myotis cililabrum*	WBWG:M	In range
Miller's myotis	*Myotis evotis*	WBWG:M	In range
Little brown myotis	*Myotis lucifugus*	WBWG:M	In region
Fringed myotis	*Myotis thysanodes*	WBWG:H	In range
Long-legged myotis	*Myotis volans*	WBWG:H	In range
Yuma myotis	*Myotis yumanensis*	WBWG:LM	Nearby
Western mastiff bat	*Eumops perotis*	SSC, WBWG:H	Very close
Mexican free-tailed bat	*Tadarida brasiliensis*	WBWG:L	Very close
Los Angeles pocket mouse	*Perognathus longimembris brevinasus*	SSC	In range
Southern grasshopper mouse	*Onychomys torridus ramona*	SSC	In range

[1] Listed as FT or FE = federal threatened or endangered, FC = federal candidate for listing, BCC = U.S. Fish and Wildlife Service Bird of Conservation Concern, CT or CE = California threatened or endangered, CCT or CCE = Candidate California threatened or endangered, CFP = California Fully Protected (California Fish and Game Code 3511), SSC = California Species of Special Concern (not threatened with extinction, but rare, very restricted in range, declining throughout range, peripheral portion of species' range, associated with habitat that is declining in extent), SSC1, SSC2 and SSC3 = California Bird Species of Special Concern priorities 1, 2 and 3, respectively (Shuford and Gardali 2008), WL = Taxa to Watch List (Shuford and Gardali 2008), and BOP = Birds of Prey (CFG Code 3503.5), and WBWG = Western Bat Working Group with priority rankings, of low (L), moderate (M), and high (H).

[2] Uncertain if BCC based on 2021 Bird of Conservation Concern list.

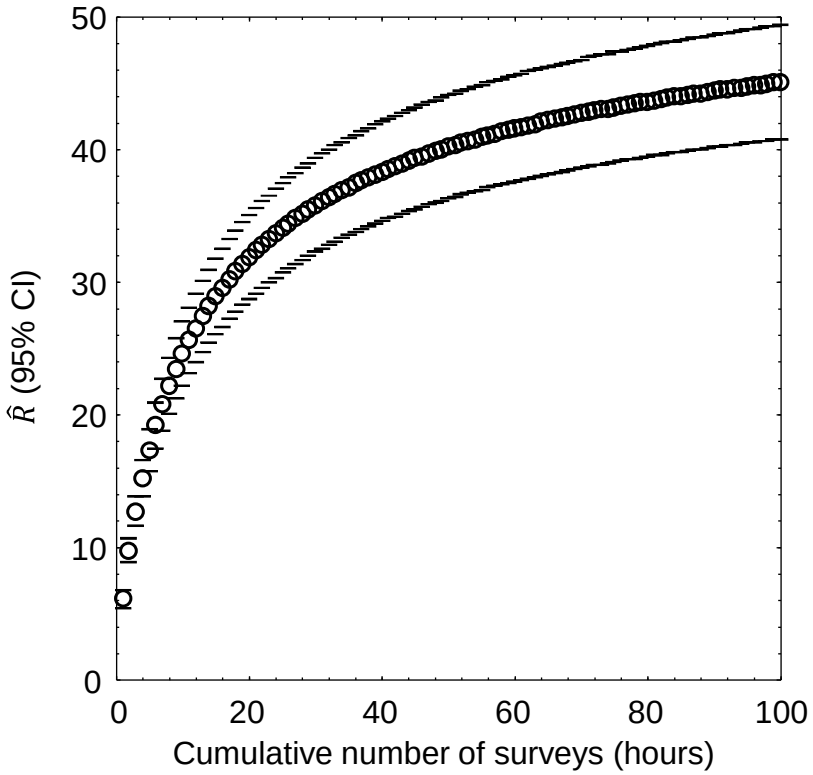
At least a year's worth of surveys would be needed to more accurately report the number of vertebrate species that occur at the project site, but I only have Noriko's one survey. However, by use of an analytical bridge, a modeling effort applied to a large, robust data set from a research site can predict the number of vertebrate wildlife species that likely make use of the site over the longer term. As part of my research, I completed a much larger survey effort across 167 km² of annual grasslands of the Altamont Pass Wind Resource Area, where from 2015 through 2019 I performed 721 1-hour visual-scan surveys, or 721 hours of surveys, at 46 stations. I used binoculars and otherwise the methods were the same as the methods I and other consulting biologists use for surveys at proposed project sites. At each of the 46 survey stations, I tallied new species detected with each sequential survey at that station, and then related the cumulative species detected to the hours (number of surveys, as each survey lasted 1 hour) used to accumulate my counts of species detected. I used combined quadratic and simplex methods of estimation in Statistica to estimate least-squares, best-fit nonlinear models of the number of cumulative species detected regressed on hours of survey (number of surveys) at the station: $\hat{R} = \frac{1}{1/a+b\times(Hours)^c}$, where $\hat{R}$ represented cumulative species richness detected. The coefficients of determination, r^2, of the models ranged 0.88 to 1.00, with a mean of 0.97 (95% CI: 0.96, 0.98); or in other words, the models were excellent fits to the data.

Figure 1. *Actual and predicted relationships between the number of vertebrate wildlife species detected and the elapsed survey time based on Noriko's visual-scan survey on 7 April 2024. Note that the relationship would differ if the survey was based on another method or during another season.*



I projected the predictions of each model to thousands of hours to find predicted asymptotes of wildlife species richness. The mean model-predicted asymptote of species richness was 57 after 11,857 hours of visual-scan surveys among the 46 stations of my research site. I also averaged model predictions of species richness at each incremental increase of number of surveys, i.e., number of hours (Figure 2). On average I would have detected 12.2 species over my first 2.82 hours of surveys at my research site in the Altamont Pass (2.82 hours to match the 2.82 hours Noriko surveyed at the project site on 7 April 2024), which composed 37.2% of the predicted total number of species I would detect with a much larger survey effort at the research site. Given the example illustrated in Figure 2, the 30 species Noriko detected after 2.82 hours of survey at the project site on 7 April 2024 likely represented 37.2% of the species to be detected after many more visual-scan surveys over another year or longer. With many more repeat surveys through the year, Noriko would likely detect $^{30}/_{0.372} = 81$ species of vertebrate wildlife at the site. Assuming Noriko's ratio of special-status to non-special-status species was to hold through the detections of all 81 predicted species, then continued surveys would eventually detect 11 special-status species of vertebrate wildlife.

Figure 2. *Mean (95% CI) predicted wildlife species richness, $\hat{R}$, as a nonlinear function of hour-long survey increments across 46 visual-scan survey stations across the Altamont Pass Wind Resource Area, Alameda and Contra Costa Counties, 2015–2019. Note that the location of the study is largely irrelevant to the utility of the graph to the interpretation of survey outcomes at the project site. It is the pattern in the data that is relevant, because the pattern is typical of the pattern seen elsewhere.*



Because my prediction of 81 species of vertebrate wildlife, including11 special-status species of vertebrate wildlife, is derived from daytime visual-scan surveys, and would detect few nocturnal mammals such as bats, the true number of species composing the wildlife community of the site must be larger. Noriko's reconnaissance survey should serve only as a starting point toward characterization of the site's wildlife community, but it certainly cannot alone inform of the inventory of species that use the site. More surveys are needed than hers to inventory use of the project site by wildlife.

EXISTING ENVIRNMENTAL SETTING

The first step in analysis of potential project impacts to biological resources is to accurately characterize the existing environmental setting, including the biological species that use the site, their relative abundances, how they use the site, key ecological relationships, and known and ongoing threats to those species with special status. A reasonably accurate characterization of the environmental setting can provide the basis for determining whether the site holds habitat value to wildlife, as well as a baseline against which to analyze potential project impacts. For these reasons, characterization of the environmental setting, including the project site's regional setting, is one of CEQA's essential analytical steps. Methods to achieve this first step typically include (1) surveys of the site for biological resources, and (2) reviews of literature, databases and local experts for documented occurrences of special-status species. In the case of the proposed project, these needed steps were not completed.

Environmental Setting informed by Field Surveys

To CEQA's primary objective to disclose potential environmental impacts of a proposed project, the analysis should be informed of which biological species are known to occur at the proposed project site, which special-status species are likely to occur, as well as the limitations of the survey effort directed to the site. Analysts need this information to characterize the environmental setting as a basis for opining on, or predicting, potential project impacts to biological resources.

The City of Los Angeles did not have the project site surveyed for wildlife. The City simply assumed that wildlife are absent from the site. According to the City (page 5-55), "the Project Site is vacant (all previous uses and buildings have been removed) and situated within an urban environment, and therefore no known occupied habitat, potentially suitable habitat, or designated critical habitat exists on the Project Site or in the surrounding area." The conclusion fails to flow logically from the implied premise that patches of open space within an urban environment cannot support wildlife. The premise is false, and therefore so is the conclusion. Noriko's survey of the site utterly refutes the City's premise and its conclusion.

Environmental Setting informed by Desktop Review

The purpose of literature and database review and of consulting with local experts is to inform the field survey, and to augment interpretation of its outcome. Analysts need this information to identify which species are known to have occurred at or near the project site, and to identify which other special-status species could conceivably occur at the site due to geographic range overlap and migration flight paths.

The City of Los Angeles did not perform a desktop review, or at least the findings of a desktop review is not reported. No species occurrence database was consulted. No wildlife expert was consulted. This important CEQA step was skipped.

At page 5-66, the SCEA reports that the site is vacant and also covered in weeds and hundreds of invasive tree of heaven. However, the SCEA does not explain how the vegetation on the site prevents wildlife, and it does not.

In my assessment based on database reviews and site visits, 108 special-status species of wildlife are known to occur near enough to the site to warrant analysis of occurrence potential (Table 2). Of these 108 species, 4 (4%) were recorded on the project site, and another 46 (42%) species have been documented within 1.5 miles of the site ('Very close'), another 21 (20%) within 1.5 and 4 miles ('Nearby'), and another 26 (24%) within 4 to 30 miles ('In region'). Two thirds (66%) of the species in Table 2 have been reportedly seen within 4 miles of the project site. The site therefore supports multiple special-status species of wildlife and carries the potential for supporting many more special-status species of wildlife based on proximity of recorded occurrences.

At page 5-67, the SCEA reports "Due to the urbanized and disturbed nature of the Project Site and the surrounding areas, and lack of large expanses of open space areas, species likely to occur on-site are limited to small terrestrial and avian species typically found in urbanized developed settings." However, had the City of Los Angeles had professional biologists survey the site, it would have seen that this statement is unsupportable. Noriko detected various species on the site, including red-tailed hawk, Cooper's hawk, California gull, white-throated swifts, acorn woodpecker and California ground squirrels – not the types of species normally found in residential backyards.

Regarding bats, the SCEA (page 5-68) states, "While none have been identified on the Project Site, it is possible that bats or bat roosts are present in on-site trees or in building cavities." However, City of Los Angeles did not have anyone search for bats on the project site. It is therefore misleading to state that no bats have been identified on the project site. Whereas it might be true that none have been identified, that none have been identified is meaningless if no surveys were conducted.

There is at least a fair argument to be made for the need to prepare an EIR to accurately characterize the existing environmental setting and to appropriately analyze the project impacts to wildlife from habitat fragmentation and from bird-glass collision mortality.

POTENTIAL BIOLOGICAL IMPACTS

An impacts analysis should consider whether and how a proposed project would affect members of a species, larger demographic units of the species, the whole of a species, and ecological communities. The accuracy of this analysis depends on an accurate characterization of the existing environmental setting. In the case of the proposed project, the existing environmental setting has not been accurately characterized, and several important types of potential project impacts have been inadequately analyzed. These types of impacts include habitat loss, interference with wildlife movement, and wildlife-automobile collision mortality.

HABITAT LOSS AND HABITAT FRAGMENTATION

City of Los Angeles (2024:4-21) claims that the 2020-2045 RTP/SCS strategy/measure to **"**Preserve, enhance, and restore regional wildlife connectivity "does not apply to the project site because it "does not serve as a regional wildlife connector…" However, the 30 species of vertebrate wildlife than Noriko detected within less than three hours indicate otherwise. All of the animals that Noriko saw at the site could not have been there had they not either traveled to the site from elsewhere or had their population not been sustained by other animals having earlier arrived to the site. The last remaining patches of open space and the residential yards and gardens maintained in trees and native plants enable wildlife to move across and to live within the greater Los Angeles megacity (Wood and Esaian 2020, Smallwood and Wood 2022).

The project site is one of the last remaining patches of open space in the region, as the region has undergone severe habitat fragmentation. Therefore, the habitat value of the site is especially high to species of wildlife that find breeding, refuge, and foraging opportunities there, as well as opportunities for stop-over during migration or dispersal across Los Angeles. The loss of the habitat on the project site would result in substantial reductions in species richness and the number of wild animals in the area (Smallwood and Smallwood 2023).

To measure the impacts of habitat loss to wildlife caused by development projects, Noriko Smallwood and I revisited 80 sites of proposed projects that we had originally surveyed in support of comments on CEQA review documents (Smallwood and Smallwood 2023). We revisited the sites to repeat the survey methods at the same time of year, the same start time in the day, and the same methods and survey duration in order to measure the effects of mitigated development on wildlife. We structured the experiment in a before-after, control-impact experimental design, as some of the sites had been developed since our initial survey and some had remained undeveloped. All of the developed sites had included mitigation measures to avoid, minimize or compensate for impacts to wildlife. Nevertheless, we found that mitigated development resulted in a 66% loss of species on site, and 48% loss of species in the project area. Counts of vertebrate animals declined 90%. "Development impacts measured by the mean number of species detected per survey were greatest for amphibians (-100%), followed by mammals (-86%), grassland birds (-75%), raptors (-53%), special-status species (-49%), all birds as a group (-48%), non-native birds (-44%), and synanthropic birds (-28%). Our results indicated that urban development substantially reduced vertebrate species richness and numerical abundance, even after richness and abundance had likely already been depleted by the cumulative effects of loss, fragmentation, and degradation of habitat in the urbanizing environment," and despite all of the mitigation measures and existing policies and regulations. We also found that impacts to wildlife were most severe at infill project sites, where wildlife lacked habitat options on adjacent land areas.

Habitat loss not only results in the immediate numerical decline of wildlife, but it also results in permanent loss of productive capacity. Habitat fragmentation multiplies the negative effects of habitat loss on the productive capacities of biological species (Smallwood 2015). None of these impacts, however, are specifically addressed in the

SCEA. In the case of birds, two methods exist for estimating the loss of productive capacity that would be caused by the project. One method would involve surveys to count the number of bird nests and chicks produced. The alternative method is to infer productive capacity from estimates of total nest density elsewhere. Two study sites in grassland-wetland-woodland complexes had total bird nesting densities of 32.8 and 35.8 nests per acre (Young 1948, Yahner 1982). These densities, however, are probably too high for the project site, which lacks wetlands. Assuming the total nest density of the project site is half of the estimates reported by Young (1948) and Yahner (1982), then I predict 17 nest sites per acre. Assuming 1.39 broods per nest site based on Noriko's review of 322 North American bird species, which averaged 1.39 broods per year, then I predict the project supports 24 nest attempts/year. Assuming Young's (1948) study result2.9 fledglings per year typifies productivity on the project site, then I predict 70 fledglings are produced annually on the project site. Assuming an average bird generation time of 5 years, the lost capacity of both breeders and annual fledgling production can be estimated from an equation in Smallwood (2022): {(nests/year × chicks/nest × number of years) + (2 adults/nest × nests/year) × (number of years ÷ years/generation)} ÷ (number of years) = 80 birds per year denied to California.

The impacts of habitat loss are not analyzed by City of Los Angeles (2024), because the City concluded without evidence that the site does not support wildlife. However, wildlife *do* occur on the site because the site provides habitat. It is my opinion that the impacts of habitat loss would be significant. A fair argument can be made for the need to prepare and EIR to appropriately analyze the impacts of habitat loss and to formulate appropriate mitigation measures.

INTERFERENCE WITH WILDLIFE MOVEMENT

One of CEQA's principal concerns regarding potential project impacts is whether a proposed project would interfere with wildlife movement in the region. Unfortunately, City of Los Angeles concludes without evidence that the site is unimportant to wildlife movement in the region. The City conducted no program of observation to characterize wildlife movement on or around the project site. The City did not have a wildlife survey performed in any fashion at all. No evidence has been made available in support of the City's conclusion, and the evidence Noriko collected refutes the City's conclusion.

The SCEA (page 5-71) claims that adherence to its mitigation requirements "would ensure that the Project would not interfere substantially with the movement of any native resident or migratory … wildlife species…" However, the insertion of a long reach of 85-91-foot-tall glass-fronted buildings onto existing stopover and fly-through habitat would most certainly interfere with wildlife movement. Not only would the buildings present birds, bats and butterflies with substantial barriers to volant movement, but interior lighting would escape the large-panel windows, which would distract many avian nocturnal migrants, and which would increase bird collision risk. Depictions of the buildings appear to highlight the project's emissions of interior light (Figure 3). The project would interfere with wildlife movement while also introducing considerable bird-window collision risk.

Figure 3*. One of the proposed buildings of the project, showing a lengthy barrier to bird flights, and abundant glass and interior lighting, both features of which increase bird-window collision risk. The image is from https://la.urbanize.city/post/mixed-use-project-inches-forward-1185-w-sunset-boulevard-echo-park.*

BIRD-WINDOW COLLISIONS

The SCEA fails to consider impacts on wildlife from window collision. The project would add two seven-story buildings, 85 and 91 feet tall, totaling 321,300-square-feet of floor space. Based on the buildings' circumferences and heights and simulated depictions, I estimate the façades would be about 75% structural glass, not including all the glass railings. I estimate the project would add about 10,395 m^2 of glass, but again not including the railings.

Many special-status species of birds have been recorded at or near the aerosphere of the project site. My database review and Noriko's site visit indicates there are 83 special-status species of birds with potential to use the site's aerosphere (Table 2). All of the birds of species in Table 2 can quickly fly from wherever they have been documented to the project site, so they would all be within brief flights to the proposed project's windows.

Window collisions are often characterized as either the second or third largest source or human-caused bird mortality. The numbers behind these characterizations are often attributed to Klem's (1990) and Dunn's (1993) estimates of about 100 million to 1 billion bird fatalities in the USA, or more recently by Loss et al.'s (2014) estimate of 365-988 million bird fatalities in the USA or Calvert et al.'s (2013) and Machtans et al.'s (2013)

estimates of 22.4 million and 25 million bird fatalities in Canada, respectively. The proposed project would impose windows in the airspace normally used by birds.

Glass-façades of buildings intercept and kill many birds, but these façades are differentially hazardous to birds based on spatial extent, contiguity, orientation, and other factors. At Washington State University, Johnson and Hudson (1976) found 266 bird fatalities of 41 species within 73 months of monitoring of a three-story glass walkway (no fatality adjustments attempted). Prior to marking the windows to warn birds of the collision hazard, the collision rate was 84.7 per year. At that rate, and not attempting to adjust the fatality estimate for the proportion of fatalities not found, 4,574 birds were likely killed over the 54 years since the start of their study, and that's at a relatively small building façade. Accounting for the proportion of fatalities not found, the number of birds killed by this walkway over the last 54 years would have been about 14,270. And this is just for one 3-story, glass-sided walkway between two college campus buildings.

Klem's (1990) estimate was based on speculation that 1 to 10 birds are killed per building per year, and this speculated range was extended to the number of buildings estimated by the US Census Bureau in 1986. Klem's speculation was supported by fatality monitoring at only two houses, one in Illinois and the other in New York. Also, the basis of his fatality rate extension has changed greatly since 1986. Whereas his estimate served the need to alert the public of the possible magnitude of the bird-window collision issue, it was highly uncertain at the time and undoubtedly outdated more than three decades hence. Indeed, by 2010 Klem (2010) characterized the upper end of his estimated range – 1 billion bird fatalities – as conservative. Furthermore, the estimate lumped species together as if all birds are the same and the loss of all birds to windows has the same level of impact.

By the time Loss et al. (2014) performed their effort to estimate annual USA bird-window fatalities, many more fatality monitoring studies had been reported or were underway. Loss et al. (2014) incorporated many more fatality rates based on scientific monitoring, and they were more careful about which fatality rates to include. However, they included estimates based on fatality monitoring by homeowners, which in one study were found to detect only 38% of the available window fatalities (Bracey et al. 2016). Loss et al. (2014) excluded all fatality records lacking a dead bird in hand, such as injured birds or feather or blood spots on windows. Loss et al.'s (2014) fatality metric was the number of fatalities per building (where in this context a building can include a house, low-rise, or high-rise structure), but they assumed that this metric was based on window collisions. Because most of the bird-window collision studies were limited to migration seasons, Loss et al. (2014) developed an admittedly assumption-laden correction factor for making annual estimates. Also, only 2 of the studies included adjustments for carcass persistence and searcher detection error, and it was unclear how and to what degree fatality rates were adjusted for these factors. Although Loss et al. (2014) attempted to account for some biases as well as for large sources of uncertainty mostly resulting from an opportunistic rather than systematic sampling data source, their estimated annual fatality rate across the USA was highly uncertain and vulnerable to multiple biases, most of which would have resulted in fatality estimates biased low.

In my review of bird-window collision monitoring, I found that the search radius around homes and buildings was very narrow, usually 2 meters. Based on my experience with bird collisions in other contexts, I would expect that a large portion of bird-window collision victims would end up farther than 2 m from the windows, especially when the windows are higher up on tall buildings. In my experience, searcher detection rates tend to be low for small birds deposited on ground with vegetation cover or woodchips or other types of organic matter. Also, vertebrate scavengers entrain on anthropogenic sources of mortality and quickly remove many of the carcasses, thereby preventing the fatality searcher from detecting these fatalities. Adjusting fatality rates for these factors – search radius bias, searcher detection error, and carcass persistence rates – would greatly increase nationwide estimates of bird-window collision fatalities.

Buildings can intercept many nocturnal migrants as well as birds flying in daylight. As mentioned above, Johnson and Hudson (1976) found 266 bird fatalities of 41 species within 73 months of monitoring of a four-story glass walkway at Washington State University (no adjustments attempted for undetected fatalities). Somerlot (2003) found 21 bird fatalities among 13 buildings on a university campus within only 61 days. Monitoring twice per week, Hager at al. (2008) found 215 bird fatalities of 48 species, or 55 birds/building/year, and at another site they found 142 bird fatalities of 37 species for 24 birds/building/year. Gelb and Delacretaz (2009) recorded 5,400 bird fatalities under buildings in New York City, based on a decade of monitoring only during migration periods, and some of the high-rises were associated with hundreds of fatalities each. Klem et al. (2009) monitored 73 building façades in New York City during 114 days of two migratory periods, tallying 549 collision victims, nearly 5 birds per day. Borden et al. (2010) surveyed a 1.8 km route 3 times per week during 12-month period and found 271 bird fatalities of 50 species. Parkins et al. (2015) found 35 bird fatalities of 16 species within only 45 days of monitoring under 4 building façades. From 24 days of survey over a 48-day span, Porter and Huang (2015) found 47 fatalities under 8 buildings on a university campus. Sabo et al. (2016) found 27 bird fatalities over 61 days of searches under 31 windows. In San Francisco, Kahle et al. (2016) found 355 collision victims within 1,762 days under a 5-story building. Ocampo-Peñuela et al. (2016) searched the perimeters of 6 buildings on a university campus, finding 86 fatalities after 63 days of surveys. One of these buildings produced 61 of the 86 fatalities, and another building with collision-deterrent glass caused only 2 of the fatalities, thereby indicating a wide range in impacts likely influenced by various factors. There is ample evidence available to support my prediction that the proposed project would result in many collision fatalities of birds.

Project Impact Prediction

By the time of these comments, I had reviewed and processed results of bird collision monitoring at 213 buildings and façades for which bird collisions per m^2 of glass per year could be calculated and averaged (Johnson and Hudson 1976, O'Connell 2001, Somerlot 2003, Hager et al. 2008, Borden et al. 2010, Hager et al. 2013, Porter and Huang 2015, Parkins et al. 2015, Kahle et al. 2016, Ocampo-Peñuela et al. 2016, Sabo et al. 2016, Barton et al. 2017, Gomez-Moreno et al. 2018, Schneider et al. 2018, Loss et al.

2019, Brown et al. 2020, City of Portland Bureau of Environmental Services and Portland Audubon 2020, Riding et al. 2020). These study results averaged 0.073 bird deaths per m^2 of glass per year (95% CI: 0.042-0.102). This average and its 95% confidence interval provide a robust basis for predicting fatality rates at a proposed new project.

As noted above, I estimate the project would expose birds to 10,395 m^2 of glass. Given this much exposure, I predict annual bird deaths of 760 (95% CI: 451–10,069). The vast majority of these predicted deaths would be of birds protected under the Migratory Bird Treaty Act and under the California Migratory Bird Protection Act, thus causing significant unmitigated impacts. Given the predicted level of bird-window collision mortality, and the lack of any proposed mitigation, it is my opinion that the proposed project would result in significant adverse biological impacts, including the unmitigated take of both terrestrial and aerial habitat of birds and other sensitive species. There is at least a fair argument for the need to prepare an EIR to appropriately analyze the impact of bird-glass collisions that might be caused by the project.

CUMULATIVE IMPACTS

The SCEA presents a flawed cumulative impacts analysis. At page 5-73, it claims "Neither the Project Site nor any of the Related Projects are located on designated open space, conservation land, wildlife habitat, or riparian or wetland areas, and therefore no cumulative impacts associated with these designated areas would occur." In fact, the project site is located on wildlife habitat. Noriko detected 30 species of vertebrae wildlife in less than three hours of survey. It is wildlife habitat.

The SCEA adds, "In addition, the Project and the Related Projects would comply with applicable regulatory requirements and mitigation measures regarding biological resources and protected species, including the Migratory Bird Treaty Act, California Fish and Game Code, and the City's regulations regarding protected trees and the removal of street trees. As such, no significant cumulative impacts regarding biological resources would occur." However, according to CEQA Guidelines §15064(h)(3), "a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project." And "When relying on a plan, regulation or program, the lead agency should explain how implementing the particular requirements in the plan, regulation or program ensure that the project's incremental contribution to the cumulative effect is not cumulatively considerable." The SCEA provides no explanation of how implementing the regulations would minimize, avoid or offset the project's contributions to cumulative impacts. Furthermore, if compliance with existing regulations truly prevented cumulative impacts, then Smallwood and Smallwood (2023) would not have found large declines in species richness and wildlife abundance among project sites where development proceeded where the same regulations apply.

INADEQUATE MITIGATION

PMM BIO-1: Mitigation measures that can and should be implemented to reduce substantial adverse effects related to threatened and endangered species. This measure includes a list of what appears to be aspirational measures, most of which the City of Los Angeles (2024) asserts do not apply to the project.

Because wildlife occur on the project site, including special-status species, consistency with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines requires that:

a) Project design avoids occupied habitat, potentially suitable habitat, and designated critical habitat, wherever practicable and feasible.

d) Temporary access roads and staging areas will not be located within areas containing sensitive plants, wildlife species or native habitat wherever feasible, so as to avoid or minimize impacts to these species.

e) A Worker Environmental Awareness Program should be developed and implemented (environmental education) to inform project workers of their responsibilities to avoid and minimize impacts on sensitive biological resources.

f) Retain a qualified botanist to document the presence or absence of special status plants before project implementation.

g) A qualified biologist be appointed to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.

h) A qualified biologist be appointed to monitor implementation of mitigation measures.

i) Schedule construction activities to avoid sensitive times for biological resources (e.g. steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.

l) Conduct pre-construction surveys to delineate occupied sensitive species' habitat to facilitate avoidance.

m) Where projects are determined to be within suitable habitat and may impact listed or sensitive species that have specific field survey protocols or guidelines outlined by the USFWS, CDFW, or other local agency, conduct preconstruction surveys that follow applicable protocols and guidelines and are conducted by qualified and/or certified personnel.

PMM BIO-4: Wildlife Movement

Because wildlife occur on the project site, including special-status species, consistency with provisions of sections 15091(a)(2) and 15126.4(a)(1)(B) of the State CEQA Guidelines requires that:

d) A survey be conducted to identify active raptor and other migratory nongame bird nests by a qualified biologist at least two weeks before the start of construction at project sites from February 1 through August 31.

e) Construction activities be prohibited within 300 feet of occupied nest of birds afforded protection pursuant to the Migratory Bird Treaty Act, during the breeding season.

f) Ensure that suitable nesting sites for migratory nongame native bird species protected under the Migratory Bird Treaty Act and/or trees with unoccupied raptor nests should only be removed prior to February 1, or following the nesting season.

h) Conduct site-specific analyses of opportunities to preserve or improve habitat linkages with areas on and off-site.

j) Review of construction drawings and habitat connectivity mapping by a qualified biologist to determine the risk of habitat fragmentation.

Because the City of Los Angeles has decided not to implement most of the above measures, the SCEA is not consistent with the Sustainable Communities Strategy. The project's impacts to wildlife would be inadequately mitigated. A fair argument can be made for the need to prepare and EIR to appropriately formulate mitigation measures.

PROPOSED MEASURES

MM-BIO-1: *The Project Applicant/contractor would conduct all demolition, construction, ground disturbance, and vegetation clearing activities, including removal of the existing trees, outside of the avian breeding and nesting season (February 1–August 31) to the extent feasible. … If removal of the existing trees on and adjacent to the Project Site must occur during the nesting season, a qualified biologist is required to be present during the removal activities to ensure no active bird nests (those containing eggs or nestlings, or with juvenile birds still dependent on the nest) are impacted. The biologist must determine whether active nests are present within the trees before any actual removal activity takes place. … If any active nests are present within the trees during demolition, construction, ground disturbance, and vegetation clearing activities, the nests shall be avoided until determined by the biologist to no longer be active. The biologist shall determine appropriate avoidance buffers for any active nest based on species, nest location, and types of disturbance proposed in the vicinity of the nest.*

The SCEA misrepresents the avian breeding season; it is now recognized by the CDFW as 1 February through 15 September.

I concur with the implementation of preconstruction surveys for nesting birds, but it should be understood that preconstruction surveys are no substitute for detection surveys. It should be understood that preconstruction surveys, although warranted, actually achieve very little because most nesting birds are very difficult to locate. Preconstruction, take-avoidance surveys consist of two steps, both of which are very difficult. First, the biologist(s) performing the survey must identify birds that are breeding. Second, the biologist(s) must locate the breeding birds' nests. The first step is typically completed by observing bird behaviors such as food deliveries and nest territory defense. These types of observations typically require many surveys on many dates spread throughout the breeding season.

Finally, the mitigation language allows a single individual to make a subjective decision, outside the public's view, to determine the buffer area for any given species. This measure lacks objective criteria, and is unenforceable.

RTP/SCS Mitigation Measures

PMM BIO-1(g): *Appoint a qualified biologist to monitor construction activities that may occur in or adjacent to occupied sensitive species' habitat to facilitate avoidance of resources not permitted for impact.*

This measure is proposed to mitigate impacts to bats. However, the measure lacks specificity to bats, would likely be implemented at the wrong time of day (not at night), and would be implemented too late to avoid impacts to bats. To be effective, a detection survey for bats needs to be completed long before construction monitoring.

PMM BIO-1(i): *Schedule construction activities to avoid sensitive times for biological resources (e.g., steelhead spawning periods during the winter and spring, nesting bird season) and to avoid the rainy season when erosion and sediment transport is increased.*

This measure is inconsistent with MM-BIO-1, because MM-BIO-1 allows for construction to commence during the avian breeding season. For these measures to be consistent, MM-BIO-1 needs to be revised to very clearly prohibit construction during the avian breeding season.

RECOMMENDED MEASURES

Guidelines on Building Design to Minimize Bird-Window Collisions: If the Project goes forward, it should adhere to available Bird-Safe Guidelines, such as those prepared by American Bird Conservancy and New York and San Francisco. The American Bird Conservancy (ABC) produced an excellent set of guidelines recommending actions to: (1) Minimize use of glass; (2) Placing glass behind some type of screening (grilles, shutters, exterior shades); (3) Using glass with inherent properties

to reduce collisions, such as patterns, window films, decals or tape; and (4) Turning off lights during migration seasons (Sheppard and Phillips 2015). The City of San Francisco (San Francisco Planning Department 2011) also has a set of building design guidelines, based on the excellent guidelines produced by the New York City Audubon Society (Orff et al. 2007). The ABC document and both the New York and San Francisco documents provide excellent alerting of potential bird-collision hazards as well as many visual examples.

New research results inform of the efficacy of marking windows. Whereas Klem (1990) found no deterrent effect from decals on windows, Johnson and Hudson (1976) reported a fatality reduction of about 69% after placing decals on windows. In an experiment of opportunity, Ocampo-Peñuela et al. (2016) found only 2 of 86 fatalities at one of 6 buildings – the only building with windows treated with a bird deterrent film. At the building with fritted glass, bird collisions were 82% lower than at other buildings with untreated windows. Kahle et al. (2016) added external window shades to some windowed façades to reduce fatalities 82% and 95%. Brown et al. (2020) reported an 84% lower collision probability among fritted glass windows and windows treated with ORNILUX R UV. City of Portland Bureau of Environmental Services and Portland Audubon (2020) reduced bird collision fatalities 94% by affixing marked Solyx window film to existing glass panels of Portland's Columbia Building. Many external and internal glass markers have been tested experimentally, some showing no effect and some showing strong deterrent effects (Klem 1989, 1990, 2009, 2011; Klem and Saenger 2013; Rössler et al. 2015). For example, Feather Friendly® circular adhesive markers applied in a grid pattern across all windows reduced bird-window collision mortality by 95% in one study (Riggs et al. 2023) and by 95% in another (de Groot et al. 2021). Another study tested the efficacy of two filmshades to be applied exteriorly to windows prior to installations: BirdShades increased bird-window avoidance by 47% and Haverkamp increased avoidance by 39% (Swaddle et al. 2023).

Monitoring and the use of compensatory mitigation should be incorporated at any new building project because the measures recommended in the available guidelines remain of uncertain efficacy, and even if these measures are effective, they will not reduce collision fatalities to zero. The only way to assess mitigation efficacy and to quantify post-construction fatalities is to monitor newly constructed buildings or homes for fatalities.

Fund Wildlife Rehabilitation Facilities: Compensatory mitigation ought also to include funding contributions to wildlife rehabilitation facilities to cover the costs of injured animals that will be delivered to these facilities for care. Many animals would likely be injured by collisions with automobiles and windows and by depredation attempts by house cats and dogs.

Thank you for your attention,

Shawn Smallwood, Ph.D.

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Photo 26. *House finch on the project site, 7 April 2024. Photo by Noriko Smallwood.*

Kenneth Shawn Smallwood
Curriculum Vitae

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Born May 3, 1963 in
Sacramento, California.
Married, father of two.

Ecologist

Expertise

- Finding solutions to controversial problems related to wildlife interactions with human industry, infrastructure, and activities;
- Wildlife monitoring and field study using GPS, thermal imaging, behavior surveys;
- Using systems analysis and experimental design principles to identify meaningful ecological patterns that inform management decisions.

Education

Ph.D. Ecology, University of California, Davis. September 1990.
M.S. Ecology, University of California, Davis. June 1987.
B.S. Anthropology, University of California, Davis. June 1985.
Corcoran High School, Corcoran, California. June 1981.

Experience

- 668 professional publications, including:
- 88 peer reviewed publications
- 24 in non-reviewed proceedings
- 554 reports, declarations, posters and book reviews
- 8 in mass media outlets
- 87 public presentations of research results

Editing for scientific journals: Guest Editor, *Wildlife Society Bulletin*, 2012-2013, of invited papers representing international views on the impacts of wind energy on wildlife and how to mitigate the impacts. Associate Editor, *Journal of Wildlife Management*, March 2004 to 30 June 2007. Editorial Board Member, *Environmental Management*, 10/1999 to 8/2004. Associate Editor, *Biological Conservation*, 9/1994 to 9/1995.

Member, Alameda County Scientific Review Committee (SRC), August 2006 to April 2011. The five-member committee investigated causes of bird and bat collisions in the Altamont Pass Wind Resource Area, and recommended mitigation and monitoring measures. The SRC reviewed the science underlying the Alameda County Avian Protection Program, and advised

the County on how to reduce wildlife fatalities.

Consulting Ecologist, 2004-2007, California Energy Commission (CEC). Provided consulting services as needed to the CEC on renewable energy impacts, monitoring and research, and produced several reports. Also collaborated with Lawrence-Livermore National Lab on research to understand and reduce wind turbine impacts on wildlife.

Consulting Ecologist, 1999-2013, U.S. Navy. Performed endangered species surveys, hazardous waste site monitoring, and habitat restoration for the endangered San Joaquin kangaroo rat, California tiger salamander, California red-legged frog, California clapper rail, western burrowing owl, salt marsh harvest mouse, and other species at Naval Air Station Lemoore; Naval Weapons Station, Seal Beach, Detachment Concord; Naval Security Group Activity, Skaggs Island; National Radio Transmitter Facility, Dixon; and, Naval Outlying Landing Field Imperial Beach.

Part-time Lecturer, 1998-2005, California State University, Sacramento. Instructed Mammalogy, Behavioral Ecology, and Ornithology Lab, Contemporary Environmental Issues, Natural Resources Conservation.

Senior Ecologist, 1999-2005, BioResource Consultants. Designed and implemented research and monitoring studies related to avian fatalities at wind turbines, avian electrocutions on electric distribution poles across California, and avian fatalities at transmission lines.

Chairman, Conservation Affairs Committee, The Wildlife Society--Western Section, 1999-2001. Prepared position statements and led efforts directed toward conservation issues, including travel to Washington, D.C. to lobby Congress for more wildlife conservation funding.

Systems Ecologist, 1995-2000, Institute for Sustainable Development. Headed ISD's program on integrated resources management. Developed indicators of ecological integrity for large areas, using remotely sensed data, local community involvement and GIS.

Associate, 1997-1998, Department of Agronomy and Range Science, University of California, Davis. Worked with Shu Geng and Mingua Zhang on several studies related to wildlife interactions with agriculture and patterns of fertilizer and pesticide residues in groundwater across a large landscape.

Lead Scientist, 1996-1999, National Endangered Species Network. Informed academic scientists and environmental activists about emerging issues regarding the Endangered Species Act and other environmental laws. Testified at public hearings on endangered species issues.

Ecologist, 1997-1998, Western Foundation of Vertebrate Zoology. Conducted field research to determine the impact of past mercury mining on the status of California red-legged frogs in Santa Clara County, California.

Senior Systems Ecologist, 1994-1995, EIP Associates, Sacramento, California. Provided consulting services in environmental planning, and quantitative assessment of land units for their conservation and restoration opportunities basedon ecological resource requirements of 29 special-status species. Developed ecological indicators for prioritizing areas within Yolo County

to receive mitigation funds for habitat easements and restoration.

Post-Graduate Researcher, 1990-1994, Department of Agronomy and Range Science*, U.C. Davis*. Under Dr. Shu Geng's mentorship, studied landscape and management effects on temporal and spatial patterns of abundance among pocket gophers and species of Falconiformes and Carnivora in the Sacramento Valley. Managed and analyzed a data base of energy use in California agriculture. Assisted with landscape (GIS) study of groundwater contamination across Tulare County, California.

Work experience in graduate school: Co-taught Conservation Biology with Dr. Christine Schonewald, 1991 & 1993, UC Davis Graduate Group in Ecology; Reader for Dr. Richard Coss's course on Psychobiology in 1990, UC Davis Department of Psychology; Research Assistant to Dr. Walter E. Howard, 1988-1990, UC Davis Department of Wildlife and Fisheries Biology, testing durable baits for pocket gopher management in forest clearcuts; Research Assistant to Dr. Terrell P. Salmon, 1987-1988, UC Wildlife Extension, Department of Wildlife and Fisheries Biology, developing empirical models of mammal and bird invasions in North America, and a rating system for priority research and control of exotic species based on economic, environmental and human health hazards in California. Student Assistant to Dr. E. Lee Fitzhugh, 1985-1987, UC Cooperative Extension, Department of Wildlife and Fisheries Biology, developing and implementing statewide mountain lion track count for long-term monitoring.

Fulbright Research Fellow, Indonesia, 1988. Tested use of new sampling methods for numerical monitoring of Sumatran tiger and six other species of endemic felids, and evaluated methods used by other researchers.

Projects

Repowering wind energy projects through careful siting of new wind turbines using map-based collision hazard models to minimize impacts to volant wildlife. Funded by wind companies (principally NextEra Renewable Energy, Inc.), California Energy Commission and East Bay Regional Park District, I have collaborated with a GIS analyst and managed a crew of five field biologists performing golden eagle behavior surveys and nocturnal surveys on bats and owls. The goal is to quantify flight patterns for development of predictive models to more carefully site new wind turbines in repowering projects. Focused behavior surveys began May 2012 and continue. Collision hazard models have been prepared for seven wind projects, three of which were built. Planning for additional repowering projects is underway.

Test avian safety of new mixer-ejector wind turbine (MEWT). Designed and implemented a before-after, control-impact experimental design to test the avian safety of a new, shrouded wind turbine developed by Ogin Inc. (formerly known as FloDesign Wind Turbine Corporation). Supported by a $718,000 grant from the California Energy Commission's Public Interest Energy Research program and a 20% match share contribution from Ogin, I managed a crew of seven field biologists who performed periodic fatality searches and behavior surveys, carcass detection trials, nocturnal behavior surveys using a thermal camera, and spatial analyses with the collaboration of a GIS analyst. Field work began 1 April 2012 and ended 30 March 2015 without Ogin installing its MEWTs, but we still achieved multiple important scientific advances.

Reduce avian mortality due to wind turbines at Altamont Pass. Studied wildlife impacts caused by 5,400 wind turbines at the world's most notorious wind resource area. Studied how impacts are perceived by monitoring and how they are affected by terrain, wind patterns, food resources, range management practices, wind turbine operations, seasonal patterns, population cycles, infrastructure management such as electric distribution, animal behavior and social interactions.

Reduce avian mortality on electric distribution poles. Directed research toward reducing bird electrocutions on electric distribution poles, 2000-2007. Oversaw 5 founds of fatality searches at 10,000 poles from Orange County to Glenn County, California, and produced two large reports.

Cook *et al*. v. Rockwell International *et al*., No. 90-K-181 (D. Colorado). Provided expert testimony on the role of burrowing animals in affecting the fate of buried and surface-deposited radioactive and hazardous chemical wastes at the Rocky Flats Plant, Colorado. Provided expert reports based on four site visits and an extensive document review of burrowing animals. Conducted transect surveys for evidence of burrowing animals and other wildlife on and around waste facilities. Discovered substantial intrusion of waste structures by burrowing animals. I testified in federal court in November 2005, and my clients were subsequently awarded a $553,000,000 judgment by a jury. After appeals the award was increased to two billion dollars.

Hanford Nuclear Reservation Litigation. Provided expert testimony on the role of burrowing animals in affecting the fate of buried radioactive wastes at the Hanford Nuclear Reservation, Washington. Provided three expert reports based on three site visits and extensive document review. Predicted and verified a certain population density of pocket gophers on buried waste structures, as well as incidence of radionuclide contamination in body tissue. Conducted transect surveys for evidence of burrowing animals and other wildlife on and around waste facilities. Discovered substantial intrusion of waste structures by burrowing animals.

Expert testimony and declarations on proposed residential and commercial developments, gas-fired power plants, wind, solar and geothermal projects, water transfers and water transfer delivery systems, endangered species recovery plans, Habitat Conservation Plans and Natural Communities Conservation Programs. Testified before multiple government agencies, Tribunals, Boards of Supervisors and City Councils, and participated with press conferences and depositions. Prepared expert witness reports and court declarations, which are summarized under Reports (below).

Protocol-level surveys for special-status species. Used California Department of Fish and Wildlife and US Fish and Wildlife Service protocols to search for California red-legged frog, California tiger salamander, arroyo southwestern toad, blunt-nosed leopard lizard, western pond turtle, giant kangaroo rat, San Joaquin kangaroo rat, San Joaquin kit fox, western burrowing owl, Swainson's hawk, Valley elderberry longhorn beetle and other special-status species.

Conservation of San Joaquin kangaroo rat. Performed research to identify factors responsible for the decline of this endangered species at Lemoore Naval Air Station, 2000-2013, and implemented habitat enhancements designed to reverse the trend and expand the population.

Impact of West Nile Virus on yellow-billed magpies. Funded by Sacramento-Yolo Mosquito and Vector Control District, 2005-2008, compared survey results pre- and post-West Nile Virus epidemic for multiple bird species in the Sacramento Valley, particularly on yellow-billed magpie and American crow due to susceptibility to WNV.

Workshops on HCPs. Assisted Dr. Michael Morrison with organizing and conducting a 2-day workshop on Habitat Conservation Plans, sponsored by Southern California Edison, and another 1-day workshop sponsored by PG&E. These Workshops were attended by academics, attorneys, and consultants with HCP experience. We guest-edited a Proceedings published in Environmental Management.

Mapping of biological resources along Highways 101, 46 and 41. Used GPS and GIS to delineate vegetation complexes and locations of special-status species along 26 miles of highway in San Luis Obispo County, 14 miles of highway and roadway in Monterey County, and in a large area north of Fresno, including within reclaimed gravel mining pits.

GPS mapping and monitoring at restoration sites and at Caltrans mitigation sites. Monitored the success of elderberry shrubs at one location, the success of willows at another location, and the response of wildlife to the succession of vegetation at both sites. Also used GPS to monitor the response of fossorial animals to yellow star-thistle eradication and natural grassland restoration efforts at Bear Valley in Colusa County and at the decommissioned Mather Air Force Base in Sacramento County.

Mercury effects on Red-legged Frog. Assisted Dr. Michael Morrison and US Fish and Wildlife Service in assessing the possible impacts of historical mercury mining on the federally listed California red-legged frog in Santa Clara County. Also measured habitat variables in streams.

Opposition to proposed No Surprises rule. Wrote a white paper and summary letter explaining scientific grounds for opposing the incidental take permit (ITP) rules providing ITP applicants and holders with general assurances they will be free of compliance with the Endangered Species Act once they adhere to the terms of a "properly functioning HCP." Submitted 188 signatures of scientists and environmental professionals concerned about No Surprises rule US Fish and Wildlife Service, National Marine Fisheries Service, all US Senators.

Natomas Basin Habitat Conservation Plan alternative. Designed narrow channel marsh to increase the likelihood of survival and recovery in the wild of giant garter snake, Swainson's hawk and Valley Elderberry Longhorn Beetle. The design included replication and interspersion of treatments for experimental testing of critical habitat elements. I provided a report to Northern Territories, Inc.

Assessments of agricultural production system and environmental technology transfer to China. Twice visited China and interviewed scientists, industrialists, agriculturalists, and the Directors of the Chinese Environmental Protection Agency and the Department of Agriculture to assess the need and possible pathways for environmental clean-up technologies and trade opportunities between the US and China.

Yolo County Habitat Conservation Plan. Conducted landscape ecology study of Yolo County to spatially prioritize allocation of mitigation efforts to improve ecosystem functionality within the County from the perspective of 29 special-status species of wildlife and plants. Used a hierarchically structured indicators approach to apply principles of landscape and ecosystem ecology, conservation biology, and local values in rating land units. Derived GIS maps to help guide the conservation area design, and then developed implementation strategies.

Mountain lion track count. Developed and conducted a carnivore monitoring program throughout California since 1985. Species counted include mountain lion, bobcat, black bear, coyote, red and gray fox, raccoon, striped skunk, badger, and black-tailed deer. Vegetation and land use are also monitored. Track survey transect was established on dusty, dirt roads within randomly selected quadrats.

Sumatran tiger and other felids. Upon award of Fulbright Research Fellowship, I designed and initiated track counts for seven species of wild cats in Sumatra, including Sumatran tiger, fishing cat, and golden cat. Spent four months on Sumatra and Java in 1988, and learned Bahasa Indonesia, the official Indonesian language.

Wildlife in agriculture. Beginning as post-graduate research, I studied pocket gophers and other wildlife in 40 alfalfa fields throughout the Sacramento Valley, and I surveyed for wildlife along a 200 mile road transect since 1989 with a hiatus of 1996-2004. The data are analyzed using GIS and methods from landscape ecology, and the results published and presented orally to farming groups in California and elsewhere. I also conducted the first study of wildlife in cover crops used on vineyards and orchards.

Agricultural energy use and Tulare County groundwater study. Developed and analyzed a data base of energy use in California agriculture, and collaborated on a landscape (GIS) study of groundwater contamination across Tulare County, California.

Pocket gopher damage in forest clear-cuts. Developed gopher sampling methods and tested various poison baits and baiting regimes in the largest-ever field study of pocket gopher management in forest plantations, involving 68 research plots in 55 clear-cuts among 6 National Forests in northern California.

Risk assessment of exotic species in North America. Developed empirical models of mammal and bird species invasions in North America, as well as a rating system for assigning priority research and control to exotic species in California, based on economic, environmental, and human health hazards.

Peer Reviewed Publications

Smallwood, K. S. 2020. USA wind energy-caused bat fatalities increase with shorter fatality search intervals. Diversity 12(98); doi:10.3390/d12030098.

Smallwood, K. S., D. A. Bell, and S. Standish. 2020. Dogs detect larger wind energy impacts on bats and birds. Journal of Wildlife Management 84:852-864. DOI: 10.1002/jwmg.21863.

Smallwood, K. S., and D. A. Bell. 2020. Relating bat passage rates to wind turbine fatalities. Diversity 12(84); doi:10.3390/d12020084.

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Smallwood, K. S. and M. L. Morrison. 2018. Nest-site selection in a high-density colony of burrowing owls. Journal of Raptor Research 52:454-470.

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Smallwood, K. S. 2015. Habitat fragmentation and corridors. Pages 84-101 in M. L. Morrison and H. A. Mathewson, Eds., Wildlife habitat conservation: concepts, challenges, and solutions. John Hopkins University Press, Baltimore, Maryland, USA.

Mete, A., N. Stephenson, K. Rogers, M. G. Hawkins, M. Sadar, D. Guzman, D. A. Bell, J. Shipman, A. Wells, K. S. Smallwood, and J. Foley. 2014. Emergence of Knemidocoptic mange in wild Golden Eagles (Aquila chrysaetos) in California. Emerging Infectious Diseases 20(10):1716-1718.

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Smallwood, K. S. and B. Nakamoto. 2009. Impacts of West Nile Virus Epizootic on Yellow-Billed Magpie, American Crow, and other Birds in the Sacramento Valley, California. The Condor 111:247-254.

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- Replies on UCSF Comprehensive Parnassus Heights Plan EIR (2021; 13);
- 14 Charles Hill Circle Design Review (2021; 11);
- SDG Commerce 217 Warehouse IS, American Canyon (2021; 26);
- Mulqueeney Ranch Wind Repowering Project DSEIR (2021; 98);
- Clawiter Road Industrial Project IS/MND, Hayward (2021; 18);
- Garnet Energy Center Stipulations, New York (2020);
- Heritage Wind Energy Project, New York (2020: 71);
- Ameresco Keller Canyon RNG Project IS/MND, Martinez (2020; 11);

- Cambria Hotel Project Staff Report, Dublin (2020; 19);
- Central Pointe Mixed-Use Staff Report, Santa Ana (2020; 20);
- Oak Valley Town Center EIR Addendum, Calimesa (2020; 23);
- Coachillin Specific Plan MND Amendment, Desert Hot Springs (2020; 26);
- Stockton Avenue Hotel and Condominiums Project Tiering to EIR, San Jose (2020; 19);
- Cityline Sub-block 3 South Staff Report, Sunyvale (2020; 22);
- Station East Residential/Mixed Use EIR, Union City (2020; 21);
- Multi-Sport Complex & Southeast Industrial Annexation Suppl. EIR, Elk Grove (2020; 24);
- Sun Lakes Village North EIR Amendment 5, Banning, Riverside County (2020; 27);
- 2nd comments on 1296 Lawrence Station Road, Sunnyvale (2020; 4);
- 1296 Lawrence Station Road, Sunnyvale (2020; 16);
- Mesa Wind Project EA, Desert Hot Springs (2020; 31);
- 11th Street Development Project IS/MND, City of Upland (2020; 17);
- Vista Mar Project IS/MND, Pacifica (2020; 17);
- Emerson Creek Wind Project Application, Ohio (2020; 64);
- Replies on Wister Solar Energy Facility EIR, Imperial County (2020; 12);
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- Crimson Solar EIS/EIR, Mojave Desert (2020, 35) not submitted;
- Sakioka Farms EIR tiering, Oxnard (2020; 14);
- 3440 Wilshire Project IS/MND, Los Angeles (2020; 19);
- Replies on 2400 Barranca Office Development Project EIR, Irvine (2020; 8);
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- Replies on Heber 2 Geothermal Repower Project IS/MND, El Centro (2020; 4);
- 2nd comments on Heber 2 Geothermal Repower Project IS/MND, El Centro (2020; 8);
- Heber 2 Geothermal Repower Project IS/MND, El Centro (2020; 3);
- Lots 4-12 Oddstad Way Project IS/MND, Pacifica (2020; 16);
- Declaration on DDG Visalia Warehouse project (2020; 5);
- Terraces of Lafayette EIR Addendum (2020; 24);
- AMG Industrial Annex IS/MND, Los Banos (2020; 15);
- Replies to responses on Casmalia and Linden Warehouse (2020; 15);
- Clover Project MND, Petaluma (2020; 27);
- Ruby Street Apartments Project Env. Checklist, Hayward (2020; 20);
- Replies to responses on 3721 Mt. Diablo Boulevard Staff Report (2020; 5);
- 3721 Mt. Diablo Boulevard Staff Report (2020; 9);
- Steeno Warehouse IS/MND, Hesperia (2020; 19);
- UCSF Comprehensive Parnassus Heights Plan EIR (2020; 24);
- North Pointe Business Center MND, Fresno (2020; 14);
- Casmalia and Linden Warehouse IS, Fontana (2020; 15);
- Rubidoux Commerce Center Project IS/MND, Jurupa Valley (2020; 27);
- Haun and Holland Mixed Use Center MND, Menifee (2020; 23);
- First Industrial Logistics Center II, Moreno Valley IS/MND (2020; 23);
- GLP Store Warehouse Project Staff Report (2020; 15);
- Replies on Beale WAPA Interconnection Project EA & CEQA checklist (2020; 29);
- 2nd comments on Beale WAPA Interconnection Project EA & CEQA checklist (2020; 34);

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- Levine-Fricke Softball Field Improvement Addendum, UC Berkeley (2020; 16);
- Greenlaw Partners Warehouse and Distribution Center Staff Report, Palmdale (2020; 14);
- Humboldt Wind Energy Project DEIR (2019; 25);
- Sand Hill Supplemental EIR, Altamont Pass (2019; 17);
- 1700 Dell Avenue Office Project, Campbell (2019, 28);
- 1180 Main Street Office Project MND, Redwood City (2019; 19:
- Summit Ridge Wind Farm Request for Amendment 4, Oregon (2019; 46);
- Shafter Warehouse Staff Report (2019; 4);
- Park & Broadway Design Review, San Diego (2019; 19);
- Pinnacle Pacific Heights Design Review, San Diego (2019; 19);
- Pinnacle Park & C Design Review, San Diego (2019; 19);
- Preserve at Torrey Highlands EIR, San Diego (2019; 24);
- Santana West Project EIR Addendum, San Jose (2019; 18);
- The Ranch at Eastvale EIR Addendum, Riverside County (2020; 19);
- Hageman Warehouse IS/MND, Bakersfield (2019; 13);
- Oakley Logistics Center EIR, Antioch (2019; 22);
- 27 South First Street IS, San Jose (2019; 23);
- 2nd replies on Times Mirror Square Project EIR, Los Angeles (2020; 11);
- Replies on Times Mirror Square Project EIR, Los Angeles (2020; 13);
- Times Mirror Square Project EIR, Los Angeles (2019; 18);
- East Monte Vista & Aviator General Plan Amend EIR Addendum, Vacaville (2019; 22);
- Hillcrest LRDP EIR, La Jolla (2019; 36);
- 555 Portola Road CUP, Portola Valley (2019; 11);
- Johnson Drive Economic Development Zone SEIR, Pleasanton (2019; 27);
- 1750 Broadway Project CEQA Exemption, Oakland (2019; 19);
- Mor Furniture Project MND, Murietta Hot Springs (2019; 27);
- Harbor View Project EIR, Redwood City (2019; 26);
- Visalia Logistics Center (2019; 13);
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- Site visit to Desert Highway Farms IS/MND, Imperial County (2019; 9);
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- Olympic Holdings Inland Center Warehouse Project MND, Rancho Cucamonga (2019; 14);
- Replies to responses on Lawrence Equipment Industrial Warehouse, Banning (2019; 19);
- PARS Global Storage MND, Murietta (2019; 13);
- Slover Warehouse EIR Addendum, Fontana (2019; 16);
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- World Logistics Center Site Visit, Moreno Valley (2019; 19);
- Merced Landfill Gas-To-Energy Project IS/MND (2019; 12);
- West Village Expansion FEIR, UC Davis (2019; 11);
- Site visit, Doheny Ocean Desalination EIR, Dana Point (2019; 11);

- Replies to responses on Avalon West Valley Expansion EIR, San Jose (2019; 10);
- Avalon West Valley Expansion EIR, San Jose (2019; 22);
- Sunroad – Otay 50 EIR Addendum, San Diego (2019; 26);
- Del Rey Pointe Residential Project IS/MND, Los Angeles (2019; 34);
- 1 AMD Redevelopment EIR, Sunnyvale (2019; 22);
- Lawrence Equipment Industrial Warehouse IS/MND, Banning (2019; 14);
- SDG Commerce 330 Warehouse IS, American Canyon (2019; 21);
- PAMA Business Center IS/MND, Moreno Valley (2019; 23);
- Cupertino Village Hotel IS (2019; 24);
- Lake House IS/ND, Lodi (2019; 33);
- Campo Wind Project DEIS, San Diego County (DEIS, (2019; 14);
- Stirling Warehouse MND site visit, Victorville (2019; 7);
- Green Valley II Mixed-Use Project EIR, Fairfield (2019; 36);
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- Site visit to Sunroad – Centrum 6 EIR Addendum, San Diego (2019; 9);
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- South Lake Solar IS, Fresno County (2018; 18);
- Galloo Island Wind Project Application, New York (not submitted) (2018; 44);
- Doheny Ocean Desalination EIR, Dana Point (2018; 15);
- Stirling Warehouse MND, Victorville (2018; 18);
- LDK Warehouse MND, Vacaville (2018; 30);
- Gateway Crossings FEIR, Santa Clara (2018; 23);
- South Hayward Development IS/MND (2018; 9);
- CBU Specific Plan Amendment, Riverside (2018; 27);
- 2nd replies to responses on Dove Hill Road Assisted Living Project MND (2018; 11);
- Replies to responses on Dove Hill Road Assisted Living Project MND (2018; 7);
- Dove Hill Road Assisted Living Project MND (2018; 12);
- Deer Ridge/Shadow Lakes Golf Course EIR, Brentwood (2018; 21);
- Pyramid Asphalt BLM Finding of No Significance, Imperial County (2018; 22);
- Amáre Apartments IS/MND, Martinez (2018; 15);
- Petaluma Hill Road Cannabis MND, Santa Rosa (2018; 21);
- 2nd comments on Zeiss Innovation Center IS/MND, Dublin (2018: 12);
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- Palo Verde Center IS/MND, Blythe (2018; 14);
- Logisticenter at Vacaville MND (2018; 24);
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- Merge 56 EIR, San Diego (2018; 15);
- Natomas Crossroads Quad B Office Project P18-014 EIR, Sacramento (2018; 12);
- 2900 Harbor Bay Parkway Staff Report, Alameda (2018; 30);
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- Fresno Industrial Rezone Amendment Application No. 3807 IS (2018; 10);
- Nova Business Park IS/MND, Napa (2018; 18);
- Updated Collision Risk Model Priors for Estimating Eagle Fatalities, USFWS (2018; 57);
- 750 Marlborough Avenue Warehouse MND, Riverside (2018; 14);
- Replies to responses on San Bernardino Logistics Center IS (2018; 12);
- San Bernardino Logistics Center IS (2018; 19);
- CUP2017-16, Costco IS/MND, Clovis (2018; 11);
- Desert Land Ventures Specific Plan EIR, Desert Hot Springs (2018; 18);
- Ventura Hilton IS/MND (2018; 30);
- North of California Street Master Plan Project IS, Mountain View (2018: 11);
- Tamarind Warehouse MND, Fontana (2018; 16);
- Lathrop Gateway Business Park EIR Addendum (2018; 23);
- Centerpointe Commerce Center IS, Moreno Valley (2019; 18);
- Amazon Warehouse Notice of Exemption, Bakersfield (2018; 13);
- CenterPoint Building 3 project Staff Report, Manteca (2018; 23);
- Cessna & Aviator Warehouse IS/MND, Vacaville (2018; 24);
- Napa Airport Corporate Center EIR, American Canyon (2018, 15);
- 800 Opal Warehouse Initial Study, Mentone, San Bernardino County (2018; 18);
- 2695 W. Winton Ave Industrial Project IS, Hayward (2018; 22);
- Trinity Cannabis Cultivation and Manufacturing Facility DEIR, Calexico (2018; 15);
- Shoe Palace Expansion IS/MND, Morgan Hill (2018; 21);
- Newark Warehouse at Morton Salt Plant Staff Report (2018; 15);
- Northlake Specific Plan FEIR “Peer Review”, Los Angeles County (2018; 9);
- Replies to responses on Northlake Specific Plan SEIR, Los Angeles County (2018; 13);
- Northlake Specific Plan SEIR, Los Angeles County (2017; 27);
- Bogle Wind Turbine DEIR, east Yolo County (2017; 48);
- Ferrante Apartments IS/MND, Los Angeles (2017; 14);
- The Villages of Lakeview EIR, Riverside (2017; 28);
- Data Needed for Assessing Trail Management Impacts on Northern Spotted Owl, Marin County (2017; 5);
- Notes on Proposed Study Options for Trail Impacts on Northern Spotted Owl (2017; 4);
- Pyramid Asphalt IS, Imperial County (Declaration) (2017; 5);
- San Gorgonio Crossings EIR, Riverside County (2017; 22);
- Replies to responses on Jupiter Project IS and MND, Apple Valley (2017; 12);
- Proposed World Logistics Center Mitigation Measures, Moreno Valley (2017, 2019; 12);
- MacArthur Transit Village Project Modified 2016 CEQA Analysis (2017; 12);
- PG&E Company Bay Area Operations and Maintenance HCP (2017; 45);
- Central SoMa Plan DEIR (2017; 14);
- Suggested mitigation for trail impacts on northern spotted owl, Marin County (2016; 5);
- Colony Commerce Center Specific Plan DEIR, Ontario (2016; 16);

- Fairway Trails Improvements MND, Marin County (2016; 13);
- Review of Avian-Solar Science Plan (2016; 28);
- Replies on Pyramid Asphalt IS, Imperial County (2016; 5);
- Pyramid Asphalt IS, Imperial County (2016; 4);
- Agua Mansa Distribution Warehouse Project Initial Study (2016; 14);
- Santa Anita Warehouse MND, Rancho Cucamonga (2016; 12);
- CapRock Distribution Center III DEIR, Rialto (2016: 12);
- Orange Show Logistics Center IS/MND, San Bernardino (2016; 9);
- City of Palmdale Oasis Medical Village Project IS/MND (2016; 7);
- Comments on proposed rule for incidental eagle take, USFWS (2016, 49);
- Replies on Grapevine Specific and Community Plan FEIR, Kern County (2016; 25);
- Grapevine Specific and Community Plan DEIR, Kern County (2016; 15);
- Clinton County Zoning Ordinance for Wind Turbine siting (2016);
- Hallmark at Shenandoah Warehouse Project Initial Study, San Bernardino (2016; 6);
- Tri-City Industrial Complex Initial Study, San Bernardino (2016; 5);
- Hidden Canyon Industrial Park Plot Plan 16-PP-02, Beaumont (2016; 12);
- Kimball Business Park DEIR (2016; 10);
- Jupiter Project IS and MND, Apple Valley, San Bernardino County (2016; 9);
- Revised Draft Giant Garter Snake Recovery Plan of 2015 (2016, 18);
- Palo Verde Mesa Solar Project EIR, Blythe (2016; 27);
- Reply on Fairview Wind Project Natural Heritage Assessment, Ontario, Canada (2016; 14);
- Fairview Wind Project Natural Heritage Assessment, Ontario, Canada (2016; 41);
- Reply on Amherst Island Wind Farm Natural Heritage Assessment, Ontario (2015, 38);
- Amherst Island Wind Farm Natural Heritage Assessment, Ontario (2015, 31);
- Second Reply on White Pines Wind Farm, Ontario (2015, 6);
- Reply on White Pines Wind Farm Natural Heritage Assessment, Ontario (2015, 10);
- White Pines Wind Farm Natural Heritage Assessment, Ontario (2015, 9);
- Proposed Section 24 Specific Plan Agua Caliente Band of Cahuilla Indians DEIS (2015, 9);
- Replies on 24 Specific Plan Agua Caliente Band of Cahuilla Indians FEIS (2015, 6);
- Willow Springs Solar Photovoltaic Project DEIR, Rosamond (2015; 28);
- Sierra Lakes Commerce Center Project DEIR, Fontana (2015, 9);
- Columbia Business Center MND, Riverside (2015; 8);
- West Valley Logistics Center Specific Plan DEIR, Fontana (2015, 10);
- Willow Springs Solar Photovoltaic Project DEIR (2015, 28);
- Alameda Creek Bridge Replacement Project DEIR (2015, 10);
- World Logistic Center Specific Plan FEIR, Moreno Valley (2015, 12);
- Elkhorn Valley Wind Power Project Impacts, Oregon (2015; 143);
- Bay Delta Conservation Plan EIR/EIS, Sacramento (2014, 21);
- Addison Wind Energy Project DEIR, Mojave (2014, 32);
- Replies on the Addison Wind Energy Project DEIR, Mojave (2014, 15);
- Addison and Rising Tree Wind Energy Project FEIR, Mojave (2014, 12);
- Palen Solar Electric Generating System FSA (CEC), Blythe (2014, 20);
- Rebuttal testimony on Palen Solar Energy Generating System (2014, 9);
- Seven Mile Hill and Glenrock/Rolling Hills impacts + Addendum, Wyoming (2014; 105);

- Rising Tree Wind Energy Project DEIR, Mojave (2014, 32);
- Replies on the Rising Tree Wind Energy Project DEIR, Mojave (2014, 15);
- Soitec Solar Development Project PEIR, Boulevard, San Diego County (2014, 18);
- Oakland Zoo expansion on Alameda whipsnake and California red-legged frog (2014; 3);
- Alta East Wind Energy Project FEIS, Tehachapi Pass (2013, 23);
- Blythe Solar Power Project Staff Assessment, California Energy Commission (2013, 16);
- Clearwater and Yakima Solar Projects DEIR, Kern County (2013, 9);
- West Antelope Solar Energy Project IS/MND, Antelope Valley (2013, 18);
- Cuyama Solar Project DEIR, Carrizo Plain (2014, 19);
- Desert Renewable Energy Conservation Plan (DRECP) EIR/EIS (2015, 49);
- Kingbird Solar Photovoltaic Project EIR, Kern County (2013, 19);
- Lucerne Valley Solar Project IS/MND, San Bernardino County (2013, 12);
- Tule Wind project FEIR/FEIS (Declaration) (2013; 31);
- Sunlight Partners LANDPRO Solar Project MND (2013; 11);
- Declaration in opposition to BLM fracking (2013; 5);
- Blythe Energy Project (solar) CEC Staff Assessment (2013;16);
- Rosamond Solar Project EIR Addendum, Kern County (2013; 13);
- Pioneer Green Solar Project EIR, Bakersfield (2013; 13);
- Replies on Soccer Center Solar Project MND (2013; 6);
- Soccer Center Solar Project MND, Lancaster (2013; 10);
- Plainview Solar Works MND, Lancaster (2013; 10);
- Alamo Solar Project MND, Mojave Desert (2013; 15);
- Replies on Imperial Valley Solar Company 2 Project (2013; 10);
- Imperial Valley Solar Company 2 Project (2013; 13);
- FRV Orion Solar Project DEIR, Kern County (PP12232) (2013; 9);
- Casa Diablo IV Geothermal Development Project (2013; 6);
- Reply on Casa Diablo IV Geothermal Development Project (2013; 8);
- Alta East Wind Project FEIS, Tehachapi Pass (2013; 23);
- Metropolitan Air Park DEIR, City of San Diego (2013;);
- Davidon Homes Tentative Subdivision Rezoning Project DEIR, Petaluma (2013; 9);
- Oakland Zoo Expansion Impacts on Alameda Whipsnake (2013; 10);
- Campo Verde Solar project FEIR, Imperial Valley (2013; 11pp);
- Neg Dec comments on Davis Sewer Trunk Rehabilitation (2013; 8);
- North Steens Transmission Line FEIS, Oregon (Declaration) (2012; 62);
- Summer Solar and Springtime Solar Projects Ism Lancaster (2012; 8);
- J&J Ranch, 24 Adobe Lane Environmental Review, Orinda (2012; 14);
- Replies on Hudson Ranch Power II Geothermal Project and Simbol Calipatria Plant II (2012; 8);
- Hudson Ranch Power II Geothermal Project and Simbol Calipatria Plant II (2012; 9);
- Desert Harvest Solar Project EIS, near Joshua Tree (2012; 15);
- Solar Gen 2 Array Project DEIR, El Centro (2012; 16);
- Ocotillo Sol Project EIS, Imperial Valley (2012; 4);
- Beacon Photovoltaic Project DEIR, Kern County (2012; 5);
- Butte Water District 2012 Water Transfer Program IS/MND (2012; 11);

- Mount Signal and Calexico Solar Farm Projects DEIR (2011; 16);
- City of Elk Grove Sphere of Influence EIR (2011; 28);
- Sutter Landing Park Solar Photovoltaic Project MND, Sacramento (2011; 9);
- Rabik/Gudath Project, 22611 Coleman Valley Road, Bodega Bay (CPN 10-0002) (2011; 4);
- Ivanpah Solar Electric Generating System (ISEGS) (Declaration) (2011; 9);
- Draft Eagle Conservation Plan Guidance, USFWS (2011; 13);
- Niles Canyon Safety Improvement Project EIR/EA (2011; 16);
- Route 84 Safety Improvement Project (Declaration) (2011; 7);
- Rebuttal on Whistling Ridge Wind Energy Power DEIS, Skamania County, (2010; 6);
- Whistling Ridge Wind Energy Power DEIS, Skamania County, Washington (2010; 41);
- Klickitat County's Decisions on Windy Flats West Wind Energy Project (2010; 17);
- St. John's Church Project DEIR, Orinda (2010; 14);
- Results Radio Zone File #2009-001 IS/MND, Conaway site, Davis (2010; 20);
- Rio del Oro Specific Plan Project FEIR, Rancho Cordova (2010;12);
- Results Radio Zone File #2009-001, Mace Blvd site, Davis (2009; 10);
- Answers to Questions on 33% RPS Implementation Analysis Preliminary Results Report (2009; 9);
- SEPA Determination of Non-significance regarding zoning adjustments for Skamania County, Washington (Second Declaration) (2008; 17);
- Draft 1A Summary Report to CAISO (2008; 10);
- Hilton Manor Project Categorical Exemption, County of Placer (2009; 9);
- Protest of CARE to Amendment to the Power Purchase and Sale Agreement for Procurement of Eligible Renewable Energy Resources Between Hatchet Ridge Wind LLC and PG&E (2009; 3);
- Tehachapi Renewable Transmission Project EIR/EIS (2009; 142);
- Delta Shores Project EIR, south Sacramento (2009; 11 + addendum 2);
- Declaration in Support of Care's Petition to Modify D.07-09-040 (2008; 3);
- The Public Utility Commission's Implementation Analysis December 16 Workshop for the Governor's Executive Order S-14-08 to implement a 33% Renewable Portfolio Standard by 2020 (2008; 9);
- The Public Utility Commission's Implementation Analysis Draft Work Plan for the Governor's Executive Order S-14-08 to implement a 33% Renewable Portfolio Standard by 2020 (2008; 11);
- Draft 1A Summary Report to California Independent System Operator for Planning Reserve Margins (PRM) Study (2008; 7.);
- SEPA Determination of Non-significance regarding zoning adjustments for Skamania County, Washington (Declaration) (2008; 16);
- Colusa Generating Station, California Energy Commission PSA (2007; 24);
- Rio del Oro Specific Plan Project Recirculated DEIR, Mather (2008: 66);
- Replies on Regional University Specific Plan EIR, Roseville (2008; 20);
- Regional University Specific Plan EIR, Roseville (2008: 33);
- Clark Precast, LLC's "Sugarland" project, ND, Woodland (2008: 15);
- Cape Wind Project DEIS, Nantucket (2008; 157);
- Yuba Highlands Specific Plan EIR, Spenceville, Yuba County (2006; 37);
- Replies to responses on North Table Mountain MND, Butte County (2006; 5);

- North Table Mountain MND, Butte County (2006; 15);
- Windy Point Wind Farm EIS (2006; 14 and Powerpoint slide replies);
- Shiloh I Wind Power Project EIR, Rio Vista (2005; 18);
- Buena Vista Wind Energy Project NOP, Byron (2004; 15);
- Callahan Estates Subdivision ND, Winters (2004; 11);
- Winters Highlands Subdivision IS/ND (2004; 9);
- Winters Highlands Subdivision IS/ND (2004; 13);
- Creekside Highlands Project, Tract 7270 ND (2004; 21);
- Petition to California Fish and Game Commission to list Burrowing Owl (2003; 10);
- Altamont Pass Wind Resource Area CUP renewals, Alameda County (2003; 41);
- UC Davis Long Range Development Plan: Neighborhood Master Plan (2003; 23);
- Anderson Marketplace Draft Environmental Impact Report (2003; 18);
- Negative Declaration of the proposed expansion of Temple B'nai Tikyah (2003; 6);
- Antonio Mountain Ranch Specific Plan Public Draft EIR (2002; 23);
- Replies on East Altamont Energy Center evidentiary hearing (2002; 9);
- Revised Draft Environmental Impact Report, The Promenade (2002; 7);
- Recirculated Initial Study for Calpine's proposed Pajaro Valley Energy Center (2002; 3);
- UC Merced -- Declaration (2002; 5);
- Replies on Atwood Ranch Unit III Subdivision FEIR (2003; 22);
- Atwood Ranch Unit III Subdivision EIR (2002; 19);
- California Energy Commission Staff Report on GWF Tracy Peaker Project (2002; 20);
- Silver Bend Apartments IS/MND, Placer County (2002; 13);
- UC Merced Long-range Development Plan DEIR and UC Merced Community Plan DEIR (2001; 26);
- Colusa County Power Plant IS, Maxwell (2001; 6);
- Dog Park at Catlin Park, Folsom, California (2001; 5);
- Calpine and Bechtel Corporations' Biological Resources Implementation and Monitoring Program (BRMIMP) for the Metcalf Energy Center (2000; 10);
- Metcalf Energy Center, California Energy Commission FSA (2000);
- US Fish and Wildlife Service Section 7 consultation with the California Energy Commission regarding Calpine and Bechtel Corporations' Metcalf Energy Center (2000; 4);
- California Energy Commission's Preliminary Staff Assessment of the proposed Metcalf Energy Center (2000: 11);
- Site-specific management plans for the Natomas Basin Conservancy's mitigation lands, prepared by Wildlands, Inc. (2000: 7);
- Affidavit of K. Shawn Smallwood in Spirit of the Sage Council, et al. (Plaintiffs) vs. Bruce Babbitt, Secretary, U.S. Department of the Interior, et al. (Defendants), Injuries caused by the No Surprises policy and final rule which codifies that policy (1999: 9).
- California Board of Forestry's proposed amended Forest Practices Rules (1999);
- Sunset Skyranch Airport Use Permit IS/MND (1999);
- Ballona West Bluffs Project Environmental Impact Report (1999; oral presentation);
- Draft Recovery Plan for Giant Garter Snake (Fed. Reg. 64(176): 49497-49498) (1999; 8);
- Draft Recovery Plan for Arroyo Southwestern Toad (1998);
- Pacific Lumber Co. (Headwaters) HCP & EIR, Fortuna (1998; 28);
- Natomas Basin HCP Permit Amendment, Sacramento (1998);

- San Diego Multi-Species Conservation Program FEIS/FEIR (1997; 10);

Comments on other Environmental Review Documents:

- Proposed Regulation for California Fish and Game Code Section 3503.5 (2015: 12);
- Statement of Overriding Considerations related to extending Altamont Winds, Inc.'s Conditional Use Permit PLN2014-00028 (2015; 8);
- Covell Village PEIR, Davis (2005; 19);
- Bureau of Land Management Wind Energy Programmatic EIS Scoping (2003; 7.);
- NEPA Environmental Analysis for Biosafety Level 4 National Biocontainment Laboratory (NBL) at UC Davis (2003: 7);
- Notice of Preparation of UC Merced Community and Area Plan EIR, on behalf of The Wildlife Society—Western Section (2001: 8.);
- Preliminary Draft Yolo County Habitat Conservation Plan (2001; 2 letters totaling 35.);
- Merced County General Plan Revision, notice of Negative Declaration (2001: 2.);
- Notice of Preparation of Campus Parkway EIR/EIS (2001: 7.);
- Draft Recovery Plan for the bighorn sheep in the Peninsular Range (*Ovis candensis*) (2000);
- Draft Recovery Plan for the California Red-legged Frog (*Rana aurora draytonii*), on behalf of The Wildlife Society—Western Section (2000: 10.);
- Sierra Nevada Forest Plan Amendment Draft Environmental Impact Statement, on behalf of The Wildlife Society—Western Section (2000: 7.);
- State Water Project Supplemental Water Purchase Program, Draft Program EIR (1997);
- Davis General Plan Update EIR (2000);
- Turn of the Century EIR (1999: 10);
- Proposed termination of Critical Habitat Designation under the Endangered Species Act (Fed. Reg. 64(113): 31871-31874) (1999);
- NOA Draft Addendum to the Final Handbook for Habitat Conservation Planning and Incidental Take Permitting Process, termed the HCP 5-Point Policy Plan (Fed. Reg. 64(45): 11485 - 11490) (1999; 2 + attachments);
- Covell Center Project EIR and EIR Supplement (1997).

Position Statements I prepared the following position statements for the Western Section of The Wildlife Society, and one for nearly 200 scientists:

- Recommended that the California Department of Fish and Game prioritize the extermination of the introduced southern water snake in northern California. The Wildlife Society--Western Section (2001);
- Recommended that The Wildlife Society—Western Section appoint or recommend members of the independent scientific review panel for the UC Merced environmental review process (2001);
- Opposed the siting of the University of California's 10th campus on a sensitive vernal pool/grassland complex east of Merced. The Wildlife Society--Western Section (2000);
- Opposed the legalization of ferret ownership in California. The Wildlife Society--Western Section (2000);
- Opposed the Proposed "No Surprises," "Safe Harbor," and "Candidate Conservation Agreement" rules, including permit-shield protection provisions (Fed. Reg. Vol. 62, No.

103, pp. 29091-29098 and No. 113, pp. 32189-32194). This statement was signed by 188 scientists and went to the responsible federal agencies, as well as to the U.S. Senate and House of Representatives.

Posters at Professional Meetings

Leyvas, E. and K. S. Smallwood. 2015. Rehabilitating injured animals to offset and rectify wind project impacts. Conference on Wind Energy and Wildlife Impacts, Berlin, Germany, 9-12 March 2015.

Smallwood, K. S., J. Mount, S. Standish, E. Leyvas, D. Bell, E. Walther, B. Karas. 2015. Integrated detection trials to improve the accuracy of fatality rate estimates at wind projects. Conference on Wind Energy and Wildlife Impacts, Berlin, Germany, 9-12 March 2015.

Smallwood, K. S. and C. G. Thelander. 2005. Lessons learned from five years of avian mortality research in the Altamont Pass WRA. AWEA conference, Denver, May 2005.

Neher, L., L. Wilder, J. Woo, L. Spiegel, D. Yen-Nakafugi, and K.S. Smallwood. 2005. Bird's eye view on California wind. AWEA conference, Denver, May 2005.

Smallwood, K. S., C. G. Thelander and L. Spiegel. 2003. Toward a predictive model of avian fatalities in the Altamont Pass Wind Resource Area. Windpower 2003 Conference and Convention, Austin, Texas.

Smallwood, K.S. and Eva Butler. 2002. Pocket Gopher Response to Yellow Star-thistle Eradication as part of Grassland Restoration at Decommissioned Mather Air Force Base, Sacramento County, California. White Mountain Research Station Open House, Barcroft Station.

Smallwood, K.S. and Michael L. Morrison. 2002. Fresno kangaroo rat (*Dipodomys nitratoides*) Conservation Research at Resources Management Area 5, Lemoore Naval Air Station. White Mountain Research Station Open House, Barcroft Station.

Smallwood, K.S. and E.L. Fitzhugh. 1989. Differentiating mountain lion and dog tracks. Third Mountain Lion Workshop, Prescott, AZ.

Smith, T. R. and K. S. Smallwood. 2000. Effects of study area size, location, season, and allometry on reported *Sorex* shrew densities. Annual Meeting of the Western Section of The Wildlife Society.

Presentations at Professional Meetings and Seminars

Dog detections of bat and bird fatalities at wind farms in the Altamont Pass Wind Resource Area. East Bay Regional Park District 2019 Stewardship Seminar, Oakland, California, 13 November 2019.

Repowering the Altamont Pass. Altamont Symposium, The Wildlife Society – Western Section, 5 February 2017.

Developing methods to reduce bird mortality in the Altamont Pass Wind Resource Area, 1999-

2007. Altamont Symposium, The Wildlife Society – Western Section, 5 February 2017.

Conservation and recovery of burrowing owls in Santa Clara Valley. Santa Clara Valley Habitat Agency, Newark, California, 3 February 2017.

Mitigation of Raptor Fatalities in the Altamont Pass Wind Resource Area. Raptor Research Foundation Meeting, Sacramento, California, 6 November 2015.

From burrows to behavior: Research and management for burrowing owls in a diverse landscape. California Burrowing Owl Consortium meeting, 24 October 2015, San Jose, California.

The Challenges of repowering. Keynote presentation at Conference on Wind Energy and Wildlife Impacts, Berlin, Germany, 10 March 2015.

Research Highlights Altamont Pass 2011-2015. Scientific Review Committee, Oakland, California, 8 July 2015.

Siting wind turbines to minimize raptor collisions: Altamont Pass Wind Resource Area. US Fish and Wildlife Service Golden Eagle Working Group, Sacramento, California, 8 January 2015.

Evaluation of nest boxes as a burrowing owl conservation strategy. Sacramento Chapter of the Western Section, The Wildlife Society. Sacramento, California, 26 August 2013.

Predicting collision hazard zones to guide repowering of the Altamont Pass. Conference on wind power and environmental impacts. Stockholm, Sweden, 5-7 February 2013.

Impacts of Wind Turbines on Wildlife. California Council for Wildlife Rehabilitators, Yosemite, California, 12 November 2012.

Impacts of Wind Turbines on Birds and Bats. Madrone Audubon Society, Santa Rosa, California, 20 February 2012.

Comparing Wind Turbine Impacts across North America. California Energy Commission Staff Workshop: Reducing the Impacts of Energy Infrastructure on Wildlife, 20 July 2011.

Siting Repowered Wind Turbines to Minimize Raptor Collisions. California Energy Commission Staff Workshop: Reducing the Impacts of Energy Infrastructure on Wildlife, 20 July 2011.

Siting Repowered Wind Turbines to Minimize Raptor Collisions. Alameda County Scientific Review Committee meeting, 17 February 2011

Comparing Wind Turbine Impacts across North America. Conference on Wind energy and Wildlife impacts, Trondheim, Norway, 3 May 2011.

Update on Wildlife Impacts in the Altamont Pass Wind Resource Area. Raptor Symposium, The Wildlife Society—Western Section, Riverside, California, February 2011.

Siting Repowered Wind Turbines to Minimize Raptor Collisions. Raptor Symposium, The Wildlife

Society - Western Section, Riverside, California, February 2011.

Wildlife mortality caused by wind turbine collisions. Ecological Society of America, Pittsburgh, Pennsylvania, 6 August 2010.

Map-based repowering and reorganization of a wind farm to minimize burrowing owl fatalities. California burrowing Owl Consortium Meeting, Livermore, California, 6 February 2010.

Environmental barriers to wind power. Getting Real About Renewables: Economic and Environmental Barriers to Biofuels and Wind Energy. A symposium sponsored by the Environmental & Energy Law & Policy Journal, University of Houston Law Center, Houston, 23 February 2007.

Lessons learned about bird collisions with wind turbines in the Altamont Pass and other US wind farms. Meeting with Japan Ministry of the Environment and Japan Ministry of the Economy, Wild Bird Society of Japan, and other NGOs Tokyo, Japan, 9 November 2006.

Lessons learned about bird collisions with wind turbines in the Altamont Pass and other US wind farms. Symposium on bird collisions with wind turbines. Wild Bird Society of Japan, Tokyo, Japan, 4 November 2006.

Responses of Fresno kangaroo rats to habitat improvements in an adaptive management framework. California Society for Ecological Restoration (SERCAL) 13th Annual Conference, UC Santa Barbara, 27 October 2006.

Fatality associations as the basis for predictive models of fatalities in the Altamont Pass Wind Resource Area. EEI/APLIC/PIER Workshop, 2006 Biologist Task Force and Avian Interaction with Electric Facilities Meeting, Pleasanton, California, 28 April 2006.

Burrowing owl burrows and wind turbine collisions in the Altamont Pass Wind Resource Area. The Wildlife Society - Western Section Annual Meeting, Sacramento, California, February 8, 2006.

Mitigation at wind farms. Workshop: Understanding and resolving bird and bat impacts. American Wind Energy Association and Audubon Society. Los Angeles, CA. January 10 and 11, 2006.

Incorporating data from the California Wildlife Habitat Relationships (CWHR) system into an impact assessment tool for birds near wind farms. Shawn Smallwood, Kevin Hunting, Marcus Yee, Linda Spiegel, Monica Parisi. Workshop: Understanding and resolving bird and bat impacts. American Wind Energy Association and Audubon Society. Los Angeles, CA. January 10 and 11, 2006.

Toward indicating threats to birds by California's new wind farms. California Energy Commission, Sacramento, May 26, 2005.

Avian collisions in the Altamont Pass. California Energy Commission, Sacramento, May 26, 2005.

Ecological solutions for avian collisions with wind turbines in the Altamont Pass Wind Resource Area. EPRI Environmental Sector Council, Monterey, California, February 17, 2005.

Ecological solutions for avian collisions with wind turbines in the Altamont Pass Wind Resource Area. The Wildlife Society—Western Section Annual Meeting, Sacramento, California, January 19, 2005.

Associations between avian fatalities and attributes of electric distribution poles in California. The Wildlife Society - Western Section Annual Meeting, Sacramento, California, January 19, 2005.

Minimizing avian mortality in the Altamont Pass Wind Resources Area. UC Davis Wind Energy Collaborative Forum, Palm Springs, California, December 14, 2004.

Selecting electric distribution poles for priority retrofitting to reduce raptor mortality. Raptor Research Foundation Meeting, Bakersfield, California, November 10, 2004.

Responses of Fresno kangaroo rats to habitat improvements in an adaptive management framework. Annual Meeting of the Society for Ecological Restoration, South Lake Tahoe, California, October 16, 2004.

Lessons learned from five years of avian mortality research at the Altamont Pass Wind Resources Area in California. The Wildlife Society Annual Meeting, Calgary, Canada, September 2004.

The ecology and impacts of power generation at Altamont Pass. Sacramento Petroleum Association, Sacramento, California, August 18, 2004.

Burrowing owl mortality in the Altamont Pass Wind Resource Area. California Burrowing Owl Consortium meeting, Hayward, California, February 7, 2004.

Burrowing owl mortality in the Altamont Pass Wind Resource Area. California Burrowing Owl Symposium, Sacramento, November 2, 2003.

Raptor Mortality at the Altamont Pass Wind Resource Area. National Wind Coordinating Committee, Washington, D.C., November 17, 2003.

Raptor Behavior at the Altamont Pass Wind Resource Area. Annual Meeting of the Raptor Research Foundation, Anchorage, Alaska, September, 2003.

Raptor Mortality at the Altamont Pass Wind Resource Area. Annual Meeting of the Raptor Research Foundation, Anchorage, Alaska, September, 2003.

California mountain lions. Ecological & Environmental Issues Seminar, Department of Biology, California State University, Sacramento, November, 2000.

Intra- and inter-turbine string comparison of fatalities to animal burrow densities at Altamont Pass. National Wind Coordinating Committee, Carmel, California, May, 2000.

Using a Geographic Positioning System (GPS) to map wildlife and habitat. Annual Meeting of the Western Section of The Wildlife Society, Riverside, CA, January, 2000.

Suggested standards for science applied to conservation issues. Annual Meeting of the Western Section of The Wildlife Society, Riverside, CA, January, 2000.

The indicators framework applied to ecological restoration in Yolo County, California. Society for Ecological Restoration, September 25, 1999.

Ecological restoration in the context of animal social units and their habitat areas. Society for Ecological Restoration, September 24, 1999.

Relating Indicators of Ecological Health and Integrity to Assess Risks to Sustainable Agriculture and Native Biota. International Conference on Ecosystem Health, August 16, 1999.

A crosswalk from the Endangered Species Act to the HCP Handbook and real HCPs. Southern California Edison, Co. and California Energy Commission, March 4-5, 1999.

Mountain lion track counts in California: Implications for Management. Ecological & Environmental Issues Seminar, Department of Biological Sciences, California State University, Sacramento, November 4, 1998.

"No Surprises" -- Lack of science in the HCP process. California Native Plant Society Annual Conservation Conference, The Presidio, San Francisco, September 7, 1997.

In Your Interest. A half hour weekly show aired on Channel 10 Television, Sacramento. In this episode, I served on a panel of experts discussing problems with the implementation of the Endangered Species Act. Aired August 31, 1997.

Spatial scaling of pocket gopher (*Geomyidae*) density. Southwestern Association of Naturalists 44th Meeting, Fayetteville, Arkansas, April 10, 1997.

Estimating prairie dog and pocket gopher burrow volume. Southwestern Association of Naturalists 44th Meeting, Fayetteville, Arkansas, April 10, 1997.

Ten years of mountain lion track survey. Fifth Mountain Lion Workshop, San Diego, February 27, 1996.

Study and interpretive design effects on mountain lion density estimates. Fifth Mountain Lion Workshop, San Diego, February 27, 1996.

Small animal control. Session moderator and speaker at the California Farm Conference, Sacramento, California, Feb. 28, 1995.

Small animal control. Ecological Farming Conference, Asylomar, California, Jan. 28, 1995.

Habitat associations of the Swainson's Hawk in the Sacramento Valley's agricultural landscape. 1994 Raptor Research Foundation Meeting, Flagstaff, Arizona.

Alfalfa as wildlife habitat. Seed Industry Conference, Woodland, California, May 4, 1994.

Habitats and vertebrate pests: impacts and management. Managing Farmland to Bring Back Game Birds and Wildlife to the Central Valley. Yolo County Resource Conservation District, U.C. Davis, February 19, 1994.

Management of gophers and alfalfa as wildlife habitat. Orland Alfalfa Production Meeting and Sacramento Valley Alfalfa Production Meeting, February 1 and 2, 1994.

Patterns of wildlife movement in a farming landscape. Wildlife and Fisheries Biology Seminar Series: Recent Advances in Wildlife, Fish, and Conservation Biology, U.C. Davis, Dec. 6, 1993.

Alfalfa as wildlife habitat. California Alfalfa Symposium, Fresno, California, Dec. 9, 1993.

Management of pocket gophers in Sacramento Valley alfalfa. California Alfalfa Symposium, Fresno, California, Dec. 8, 1993.

Association analysis of raptors in a farming landscape. Plenary speaker at Raptor Research Foundation Meeting, Charlotte, North Carolina, Nov. 6, 1993.

Landscape strategies for biological control and IPM. Plenary speaker, International Conference on Integrated Resource Management and Sustainable Agriculture, Beijing, China, Sept. 11, 1993.

Landscape Ecology Study of Pocket Gophers in Alfalfa. Alfalfa Field Day, U.C. Davis, July 1993.

Patterns of wildlife movement in a farming landscape. Spatial Data Analysis Colloquium, U.C. Davis, August 6, 1993.

Sound stewardship of wildlife. Veterinary Medicine Seminar: Ethics of Animal Use, U.C. Davis. May 1993.

Landscape ecology study of pocket gophers in alfalfa. Five County Grower's Meeting, Tracy, California. February 1993.

Turbulence and the community organizers: The role of invading species in ordering a turbulent system, and the factors for invasion success. Ecology Graduate Student Association Colloquium, U.C. Davis. May 1990.

Evaluation of exotic vertebrate pests. Fourteenth Vertebrate Pest Conference, Sacramento, California. March 1990.

Analytical methods for predicting success of mammal introductions to North America. The Western Section of the Wildlife Society, Hilo, Hawaii. February 1988.

A state-wide mountain lion track survey. Sacramento County Dept Parks and Recreation. April 1986.

The mountain lion in California. Davis Chapter of the Audubon Society. October 1985.

Ecology Graduate Student Seminars, U.C. Davis, 1985-1990: Social behavior of the mountain lion;

Mountain lion control; Political status of the mountain lion in California.

Other forms of Participation at Professional Meetings

- Scientific Committee, Conference on Wind energy and Wildlife impacts, Berlin, Germany, March 2015.

- Scientific Committee, Conference on Wind energy and Wildlife impacts, Stockholm, Sweden, February 2013.

- Workshop co-presenter at Birds & Wind Energy Specialist Group (BAWESG) Information sharing week, Bird specialist studies for proposed wind energy facilities in South Africa, Endangered Wildlife Trust, Darling, South Africa, 3-7 October 2011.

- Scientific Committee, Conference on Wind energy and Wildlife impacts, Trondheim, Norway, 2-5 May 2011.

- Chair of Animal Damage Management Session, The Wildlife Society, Annual Meeting, Reno, Nevada, September 26, 2001.

- Chair of Technical Session: Human communities and ecosystem health: Comparing perspectives and making connection. Managing for Ecosystem Health, International Congress on Ecosystem Health, Sacramento, CA August 15-20, 1999.

- Student Awards Committee, Annual Meeting of the Western Section of The Wildlife Society, Riverside, CA, January, 2000.

- Student Mentor, Annual Meeting of the Western Section of The Wildlife Society, Riverside, CA, January, 2000.

Printed Mass Media

Smallwood, K.S., D. Mooney, and M. McGuinness. 2003. We must stop the UCD biolab now. Op-Ed to the Davis Enterprise.

Smallwood, K.S. 2002. Spring Lake threatens Davis. Op-Ed to the Davis Enterprise.

Smallwood, K.S. Summer, 2001. Mitigation of habitation. The Flatlander, Davis, California.

Entrikan, R.K. and K.S. Smallwood. 2000. Measure O: Flawed law would lock in new taxes. Op-Ed to the Davis Enterprise.

Smallwood, K.S. 2000. Davis delegation lobbies Congress for Wildlife conservation. Op-Ed to the Davis Enterprise.

Smallwood, K.S. 1998. Davis Visions. The Flatlander, Davis, California.

Smallwood, K.S. 1997. Last grab for Yolo's land and water. The Flatlander, Davis, California.

Smallwood, K.S. 1997. The Yolo County HCP. Op-Ed to the Davis Enterprise.

Radio/Television

PBS News Hour,

FOX News, Energy in America: Dead Birds Unintended Consequence of Wind Power Development, August 2011.

KXJZ Capital Public Radio -- Insight (Host Jeffrey Callison). Mountain lion attacks (with guest Professor Richard Coss). 23 April 2009;

KXJZ Capital Public Radio -- Insight (Host Jeffrey Callison). Wind farm Rio Vista Renewable Power. 4 September 2008;

KQED QUEST Episode #111. Bird collisions with wind turbines. 2007;

KDVS Speaking in Tongues (host Ron Glick), Yolo County HCP: 1 hour. December 27, 2001;

KDVS Speaking in Tongues (host Ron Glick), Yolo County HCP: 1 hour. May 3, 2001;

KDVS Speaking in Tongues (host Ron Glick), Yolo County HCP: 1 hour. February 8, 2001;

KDVS Speaking in Tongues (host Ron Glick & Shawn Smallwood), California Energy Crisis: 1 hour. Jan. 25, 2001;

KDVS Speaking in Tongues (host Ron Glick), Headwaters Forest HCP: 1 hour. 1998;

Davis Cable Channel (host Gerald Heffernon), Burrowing owls in Davis: half hour. June, 2000;

Davis Cable Channel (hosted by Davis League of Women Voters), Measure O debate: 1 hour. October, 2000;

KXTV 10, In Your Interest, The Endangered Species Act: half hour. 1997.

Reviews of Journal Papers (Scientific journals for whom I've provided peer review)

Journal	**Journal**
American Naturalist	Journal of Animal Ecology
Journal of Wildlife Management	Western North American Naturalist
Auk	Journal of Raptor Research
Biological Conservation	National Renewable Energy Lab reports
Canadian Journal of Zoology	Oikos
Ecosystem Health	The Prairie Naturalist
Environmental Conservation	Restoration Ecology

Journal	Journal
Environmental Management	Southwestern Naturalist
Functional Ecology	The Wildlife Society--Western Section Trans.
Journal of Zoology (London)	Proc. Int. Congress on Managing for Ecosystem Health
Journal of Applied Ecology	Transactions in GIS
Ecology	Tropical Ecology
Wildlife Society Bulletin	Peer J
Biological Control	The Condor

Committees

- Scientific Review Committee, Alameda County, Altamont Pass Wind Resource Area
- Ph.D. Thesis Committee, Steve Anderson, University of California, Davis
- MS Thesis Committee, Marcus Yee, California State University, Sacramento

Other Professional Activities or Products

Testified in Federal Court in Denver during 2005 over the fate of radio-nuclides in the soil at Rocky Flats Plant after exposure to burrowing animals. My clients won a judgment of $553,000,000. I have also testified in many other cases of litigation under CEQA, NEPA, the Warren-Alquist Act, and other environmental laws. My clients won most of the cases for which I testified.

Testified before Environmental Review Tribunals in Ontario, Canada regarding proposed White Pines, Amherst Island, and Fairview Wind Energy projects.

Testified in Skamania County Hearing in 2009 on the potential impacts of zoning the County for development of wind farms and hazardous waste facilities.

Testified in deposition in 2007 in the case of O'Dell et al. vs. FPL Energy in Houston, Texas.

Testified in Klickitat County Hearing in 2006 on the potential impacts of the Windy Point Wind Farm.

Memberships in Professional Societies

The Wildlife Society
Raptor Research Foundation

Honors and Awards

Fulbright Research Fellowship to Indonesia, 1987
J.G. Boswell Full Academic Scholarship, 1981 college of choice
Certificate of Appreciation, The Wildlife Society—Western Section, 2000, 2001
Northern California Athletic Association Most Valuable Cross Country Runner, 1984
American Legion Award, Corcoran High School, 1981, and John Muir Junior High, 1977
CIF Section Champion, Cross Country in 1978
CIF Section Champion, Track & Field 2 mile run in 1981
National Junior Record, 20 kilometer run, 1982
National Age Group Record, 1500 meter run, 1978

Community Activities

District 64 Little League Umpire, 2003-2007
Dixon Little League Umpire, 2006-07
Davis Little League Chief Umpire and Board member, 2004-2005
Davis Little League Safety Officer, 2004-2005
Davis Little League Certified Umpire, 2002-2004
Davis Little League Scorekeeper, 2002
Davis Visioning Group member
Petitioner for Writ of Mandate under the California Environmental Quality Act against City of Woodland decision to approve the Spring Lake Specific Plan, 2002
Served on campaign committees for City Council candidates

Representative Clients/Funders

Law Offices of Stephan C. Volker
Blum Collins, LLP
Eric K. Gillespie Professional Corporation
Law Offices of Berger & Montague
Lozeau | Drury LLP
Law Offices of Roy Haber
Law Offices of Edward MacDonald
Law Office of John Gabrielli
Law Office of Bill Kopper
Law Office of Donald B. Mooney
Law Office of Veneruso & Moncharsh
Law Office of Steven Thompson
Law Office of Brian Gaffney
California Wildlife Federation
Defenders of Wildlife
Sierra Club
National Endangered Species Network
Spirit of the Sage Council
The Humane Society
Hagens Berman LLP
Environmental Protection Information Center
Goldberg, Kamin & Garvin, Attorneys at Law
Californians for Renewable Energy (CARE)
Seatuck Environmental Association
Friends of the Columbia Gorge, Inc.
Save Our Scenic Area
Alliance to Protect Nantucket Sound
Friends of the Swainson's Hawk
Alameda Creek Alliance
Center for Biological Diversity
California Native Plant Society
Endangered Wildlife Trust
and BirdLife South Africa
AquAlliance
Oregon Natural Desert Association
Save Our Sound
G3 Energy and Pattern Energy
Emerald Farms
Pacific Gas & Electric Co.
Southern California Edison Co.
Georgia-Pacific Timber Co.
Northern Territories Inc.
David Magney Environmental Consulting
Wildlife History Foundation
NextEra Energy Resources, LLC
Ogin, Inc.
EDF Renewables
National Renewable Energy Lab
Altamont Winds LLC
Salka Energy
Comstocks Business (magazine)
BioResource Consultants
Tierra Data
Black and Veatch
Terry Preston, Wildlife Ecology Research Center
EcoStat, Inc.
US Navy
US Department of Agriculture
US Forest Service
US Fish & Wildlife Service
US Department of Justice
California Energy Commission
California Office of the Attorney General
California Department of Fish & Wildlife
California Department of Transportation
California Department of Forestry
California Department of Food & Agriculture
Ventura County Counsel
County of Yolo
Tahoe Regional Planning Agency
Sustainable Agriculture Research & Education Program
Sacramento-Yolo Mosquito and Vector Control District
East Bay Regional Park District
County of Alameda
Don & LaNelle Silverstien
Seventh Day Adventist Church
Escuela de la Raza Unida
Susan Pelican and Howard Beeman
Residents Against Inconsistent Development, Inc.
Bob Sarvey
Mike Boyd
Hillcroft Neighborhood Fund
Joint Labor Management Committee, Retail Food Industry
Lisa Rocca
Kevin Jackson
Dawn Stover and Jay Letto
Nancy Havassy
Catherine Portman (for Brenda Cedarblade)
Ventus Environmental Solutions, Inc.
Panorama Environmental, Inc.
Adams Broadwell Professional Corporation

Representative special-status species experience

Common name	Species name	Description
Field experience		
California red-legged frog	*Rana aurora draytonii*	Protocol searches; Many detections
Foothill yellow-legged frog	*Rana boylii*	Presence surveys; Many detections
Western spadefoot	*Spea hammondii*	Presence surveys; Few detections
California tiger salamander	*Ambystoma californiense*	Protocol searches; Many detections
Coast range newt	*Taricha torosa torosa*	Searches and multiple detections
Blunt-nosed leopard lizard	*Gambelia sila*	Detected in San Luis Obispo County
California horned lizard	*Phrynosoma coronatum frontale*	Searches; Many detections
Western pond turtle	*Clemmys marmorata*	Searches; Many detections
San Joaquin kit fox	*Vulpes macrotis mutica*	Protocol searches; detections
Sumatran tiger	*Panthera tigris*	Track surveys in Sumatra
Mountain lion	*Puma concolor californicus*	Research and publications
Point Arena mountain beaver	*Aplodontia rufa nigra*	Remote camera operation
Giant kangaroo rat	*Dipodomys ingens*	Detected in Cholame Valley
San Joaquin kangaroo rat	*Dipodomys nitratoides*	Monitoring & habitat restoration
Monterey dusky-footed woodrat	*Neotoma fuscipes luciana*	Non-target captures and mapping of dens
Salt marsh harvest mouse	*Reithrodontomys raviventris*	Habitat assessment, monitoring
Salinas harvest mouse	*Reithrodontomys megalotus distichlus*	Captures; habitat assessment
Bats		Thermal imaging surveys
California clapper rail	*Rallus longirostris*	Surveys and detections
Golden eagle	*Aquila chrysaetos*	Numerical & behavioral surveys
Swainson's hawk	*Buteo swainsoni*	Numerical & behavioral surveys
Northern harrier	*Circus cyaeneus*	Numerical & behavioral surveys
White-tailed kite	*Elanus leucurus*	Numerical & behavioral surveys
Loggerhead shrike	*Lanius ludovicianus*	Large area surveys
Least Bell's vireo	*Vireo bellii pusillus*	Detected in Monterey County
Willow flycatcher	*Empidonax traillii extimus*	Research at Sierra Nevada breeding sites
Burrowing owl	*Athene cunicularia hypugia*	Numerical & behavioral surveys
Valley elderberry longhorn beetle	*Desmocerus californicus dimorphus*	Monitored success of relocation and habitat restoration
Analytical		
Arroyo southwestern toad	*Bufo microscaphus californicus*	Research and report.
Giant garter snake	*Thamnophis gigas*	Research and publication
Northern goshawk	*Accipiter gentilis*	Research and publication
Northern spotted owl	*Strix occidentalis*	Research and reports
Alameda whipsnake	*Masticophis lateralis euryxanthus*	Expert testimony

Esther Ahn <esther.ahn@lacity.org>

CPC-2023-5528-DB-SPR-MCUP-HCA ; Additional comments

1 message

Clay Bush <impulsefoto@mac.com> Wed, Apr 24, 2024 at 2:32 AM
To: esther.ahn@lacity.org

Hello Ms. Ahn-

I wanted to submit a few comments regarding this extremely large project.

Retail Spaces-

1)The applicant mentioned that the retail spaces limited due to lower ceilings. This is done by design by the applicant to be able to fit in additional dwelling floors and at the cost of not having truly functional retail spaces that would attract businesses that would contribute to our neighborhood area. One only has to look at all the Geoffrey Palmer faux Tuscany buildings blanketing the landscape of DTLA and nearly 100% of the proposed retail spaces in those DB developments are eternally vacant, and if a space does get leased the business never lasts very long. The spaces are poorly designed with the purpose of thwarting businesses from renting them, less headache and a business write off if not rented. BUT the spaces where used in the applicants project design to appease Planning for retail spaces to achieve height and density bonuses. We fear Aragon is partly doing the same shell game.

Back in 2014-2015 our stakeholders from all around the surrounding neighborhoods to this project site requested more retail and well designed spaces from the applicant and we all believed that was achieved in our dozens of meetings and negotiations. But all that hard work by the numerous stakeholders, residents and neighborhood groups has been tossed in the waste can.

We fear we will end up with Geoffrey Palmer type empty poorly function retail spaces, all because the applicant wants to stretch their floor count upwards.

2)In the original project our neighborhoods wanted MORE retail, we are now getting far less and 3 additional stories with over an additional 100 residential units. This project is so far out of scale and character for our very old neighborhood it will forever change the very fabric of it in negative ways.

Traffic at Everett and Sunset-

The applicant claims their project and design will have no negative effect on traffic on Everett St. This is illogical and flies in the face of evidence of current activities conducted on the very sidewalk in front of the applicants Building B location, the building that has a cafe/restaurant space designed right on the corner of Sunset and Everett St. The business being placed on that corner is not really and issue for most of us, what is the issue is it will absolutely negatively effect traffic flowing in and out and parking on Everett St, whether it's patrons trying on to Everett to find parking, employees doing the same or ride share vehicles picking up or dropping off to the retail space or even residents utilizing such.

The entrance and exit of Everett at Sunset is a very tricky navigation more often than not and becomes very dangerous during high traffic hours as well as leading up to and after events held at Dodger stadium. Accidents a very frequent and with an assumed fairly busy cafe/restaurant dropped right on that corner it compounds the very dangerous issues residents and visitors already suffer.

DOT MUST design a light that is sinked up with Marion St like is done in West Hollywood with very short distanced street corners. This would not "slow down" traffic, as the Dana Sayles claims, but would old work in concert with the already existing Marion light and create a safe controlled in and out avenue for all us residents. The claims Mrs. Sayles makes here are driven by her client trying to cut corners and save money. But we residents will pay the price if a paired up stop light is not installed but this behemoth of a cruise ship project is.

This project and all it's activities predicted after it is completed and occupied will ABSOLUTELY negatively effect Everett and White Knoll, to a lower extent.

You should come down and witness how bad the traffic is on a normal weekday or leading up to a Dodgers event, it gets so bad that Dodgers has had to have LADOT's Traffic Enforcement officers control the intersection at Everett.

Previous project-

The client is claiming that the previous very large project is all of a sudden "not financially feasible". This makes absolutely not rationale sense, they just want to build three additional floors higher that further invades and oppress our historic old neighborhood and clogs the land channel that is Sunset Blvd from Marion to Vin Scully Way. The applicant most certainly could build the previously negotiated project as they promised the neighborhood. But instead they choose to hide behind State laws and or ordinances to push for three additional floors towering above our neighborhood.

Construction materials-

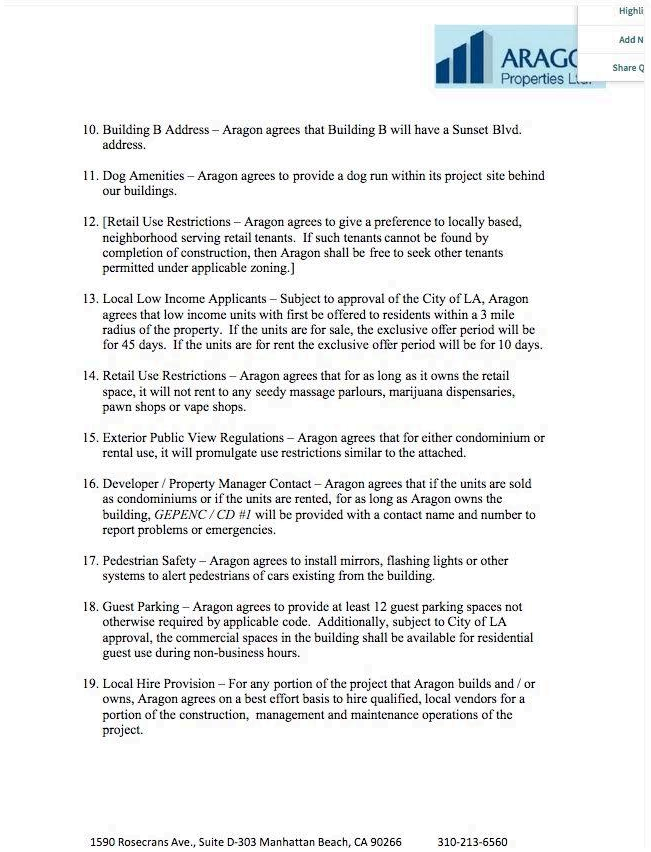
-The project in it's presented for is an enormous modern styled structure that will stand and tower in an insanely stark contrast to our late 1800s historic neighbor hood.

-The design, materials and color scheme will be a massive sun reflecting structure in the afternoon and will cause surface heat to radiate onto all the buildings on that west side. Case and point would be the Walt Disney concert hall in it's first completed condition, shiny stainless steel that reflected the sun into all the buildings surrounding it, which the city then forced Frank Gehry to then dull down the beautiful building. But in this case, the overwhelmingly white buildings will not be able to be dulled down. Nope, we will all be stuck with a giant building design that belongs in Miami or South Beach.

I am attaching one of the 2014-15 agreements sheets listing all that Aragon agreed to for reference.

Thank you for your attention to this applicant's application.

Clay Bush
1035 Everett St



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10. Building B Address – Aragon agrees that Building B will have a Sunset Blvd. address.

11. Dog Amenities – Aragon agrees to provide a dog run within its project site behind our buildings.

12. [Retail Use Restrictions – Aragon agrees to give a preference to locally based, neighborhood serving retail tenants. If such tenants cannot be found by completion of construction, then Aragon shall be free to seek other tenants permitted under applicable zoning.]

13. Local Low Income Applicants – Subject to approval of the City of LA, Aragon agrees that low income units with first be offered to residents within a 3 mile radius of the property. If the units are for sale, the exclusive offer period will be for 45 days. If the units are for rent the exclusive offer period will be for 10 days.

14. Retail Use Restrictions – Aragon agrees that for as long as it owns the retail space, it will not rent to any seedy massage parlours, marijuana dispensaries, pawn shops or vape shops.

15. Exterior Public View Regulations – Aragon agrees that for either condominium or rental use, it will promulgate use restrictions similar to the attached.

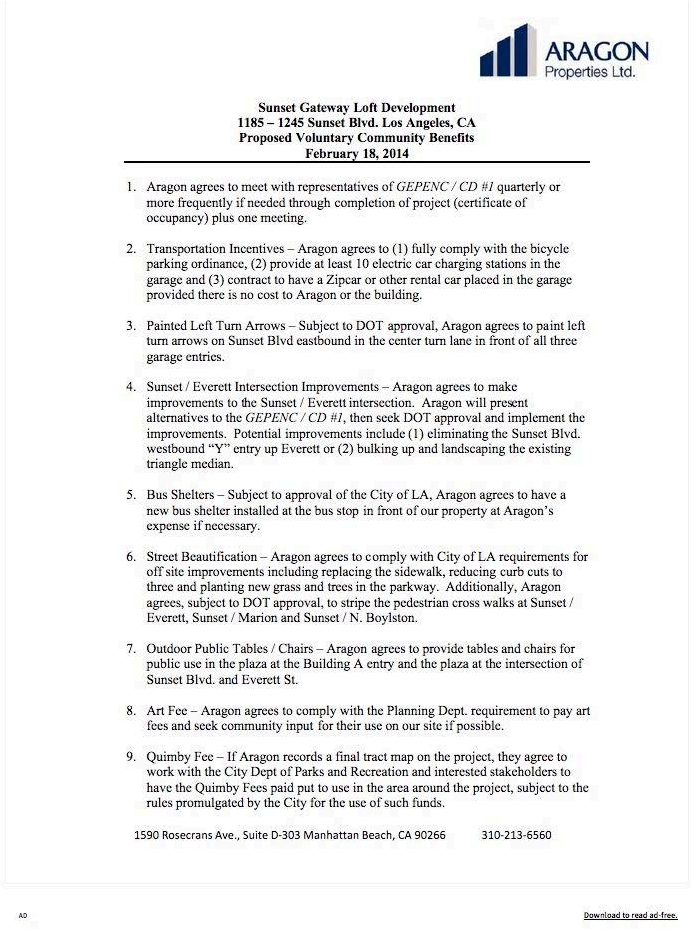
16. Developer / Property Manager Contact – Aragon agrees that if the units are sold as condominiums or if the units are rented, for as long as Aragon owns the building, *GEPENC / CD #1* will be provided with a contact name and number to report problems or emergencies.

17. Pedestrian Safety – Aragon agrees to install mirrors, flashing lights or other systems to alert pedestrians of cars existing from the building.

18. Guest Parking – Aragon agrees to provide at least 12 guest parking spaces not otherwise required by applicable code. Additionally, subject to City of LA approval, the commercial spaces in the building shall be available for residential guest use during non-business hours.

19. Local Hire Provision – For any portion of the project that Aragon builds and / or owns, Aragon agrees on a best effort basis to hire qualified, local vendors for a portion of the construction, management and maintenance operations of the project.

1590 Rosecrans Ave., Suite D-303 Manhattan Beach, CA 90266 310-213-6560



ARAGON Properties Ltd.

Sunset Gateway Loft Development
1185 – 1245 Sunset Blvd. Los Angeles, CA
Proposed Voluntary Community Benefits
February 18, 2014

1. Aragon agrees to meet with representatives of *GEPENC / CD #1* quarterly or more frequently if needed through completion of project (certificate of occupancy) plus one meeting.

2. Transportation Incentives – Aragon agrees to (1) fully comply with the bicycle parking ordinance, (2) provide at least 10 electric car charging stations in the garage and (3) contract to have a Zipcar or other rental car placed in the garage provided there is no cost to Aragon or the building.

3. Painted Left Turn Arrows – Subject to DOT approval, Aragon agrees to paint left turn arrows on Sunset Blvd eastbound in the center turn lane in front of all three garage entries.

4. Sunset / Everett Intersection Improvements – Aragon agrees to make improvements to the Sunset / Everett intersection. Aragon will present alternatives to the *GEPENC / CD #1*, then seek DOT approval and implement the improvements. Potential improvements include (1) eliminating the Sunset Blvd. westbound "Y" entry up Everett or (2) bulking up and landscaping the existing triangle median.

5. Bus Shelters – Subject to approval of the City of LA, Aragon agrees to have a new bus shelter installed at the bus stop in front of our property at Aragon's expense if necessary.

6. Street Beautification – Aragon agrees to comply with City of LA requirements for off site improvements including replacing the sidewalk, reducing curb cuts to three and planting new grass and trees in the parkway. Additionally, Aragon agrees, subject to DOT approval, to stripe the pedestrian cross walks at Sunset / Everett, Sunset / Marion and Sunset / N. Boylston.

7. Outdoor Public Tables / Chairs – Aragon agrees to provide tables and chairs for public use in the plaza at the Building A entry and the plaza at the intersection of Sunset Blvd. and Everett St.

8. Art Fee – Aragon agrees to comply with the Planning Dept. requirement to pay art fees and seek community input for their use on our site if possible.

9. Quimby Fee – If Aragon records a final tract map on the project, they agree to work with the City Dept of Parks and Recreation and interested stakeholders to have the Quimby Fees paid put to use in the area around the project, subject to the rules promulgated by the City for the use of such funds.

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AD

Download to read ad-free.

Esther Ahn <esther.ahn@lacity.org>

1185 W. Sunset Blvd. CPC-2023-5528-DB-SPR-HCA

1 message

coni acos <coni.epnc@gmail.com> Thu, Sep 21, 2023 at 11:06 AM
To: Ashly.Alberty@lacity.org, Esther.Ahn@lacity.org

Good morning City Planning Expediting Unit,

For your information, the Aragon LTD project: CPC-2023-5528-DB-SPR-HCA has not been presented or vetted by the Echo Park Neighborhood Council (EPNC) as the designated neighborhood council for the project area. Please do not make a final decision on this project until the Mixed-Use project is formally presented via the EPNC to the stakeholders of the Everett community and testimony is recorded.

Respectfully,
Connie Acosta,
EPNC Planning and Land Use (PLUC) Co-Chair,
writing as an individual

ECHO PARK IMPROVEMENT ASSOCIATION
PO Box 26896 Los Angeles, CA 90026
(323) 882-4835 EpiaMail@yahoo.com

April 10th, 2024

Esther Ahn
City Planning Department
200 North Spring Street
Los Angeles, California 90012
email: esther.ahn@lacity.org

Re: Case Number: CPC-2023-5528-DB-SPR-MCUP-HCA, 1185 Sunset Blvd., Los Angeles 90026, mixed use with affordable units, retail, live-work.

Ms. Ahn:

The Echo Park Improvement Association (EPIA) has been working with Aragon (developer) on the development of this site since 2015. We were heavily involved with the original proposed development and have recently met twice with the new project expeditor team for this revised proposal – most recently April 3rd 2024.

The EPIA has no issues with the density bonus, on and off menu incentives, or Master CUB requests and we recommend to the City of Los Angeles that it approves this project while taking into consideration the following Observations and Recommendations.

Observations and Recommendations:

- We note that the design is significantly better than the final design on the first building that Aragon was proposing.
- We like the way Everette Street frontage has been done, although we see potentially a lost opportunity to have put live-work spaces here too.
- We strongly disagree with Bureau of Engineering regarding the implementation of a traffic light at Everette Street and Sunset in conjunction with this project. While we agree that this project will not have any direct impact on Everette Street, the cumulative impact of this project and ones recently built on Everette are real. A signal that is directly coordinated with the signal at Marion Street and Sunset would not be difficult to implement, and would not slow down Sunset traffic any more than the signal at Marion alone.

ECHO PARK IMPROVEMENT ASSOCIATION
PO Box 26896 Los Angeles, CA 90026
(323) 882-4835 EpiaMail@yahoo.com

- We observe that the top of the building is 1 ½ stories high – it makes the building look upside down to some extent. We ask the developer why and have requested that this is reconsidered or adjusted.
- We observe that the way the Live-Work spaces face and transition from Sunset is problematic. The walled outdoor spaces do the opposite of inviting people in from the street. However they would be attractive to a homeless person or a graffiti tagger. There is nothing that signals to a pedestrian that this is space they should enter like an awning or overhang would do for instance. We have asked the developer to adjust accordingly.

The EPIA wishes to express gratitude to Aragon for engaging with the community over the years. Overall we think this project is a good one, and we ask the City of Los Angeles approve this project as presented, notwithstanding the above observations and recommendations.

Thank you for your consideration:

Andrew Garsten
EPIA President
Cc: City Councilmember Eunisses Hernandez, CD1

Esther Ahn <esther.ahn@lacity.org>

LA city planning meeting re: 1185 W Sunset Blvd

1 message

Evan Whale <evanwhale@gmail.com> Thu, Apr 18, 2024 at 2:48 PM
To: esther.ahn@lacity.org

Hi Esther,

Hope this finds you well! My name is Evan Whale and I was the one who was late to Tuesday's planning meeting who you (very graciously) let speak near the end. My tardiness was due to a confusion around the start time of the meeting, so thank you again for making an exception.

I wanted to ask at the top here, was the meeting (in its entirety) recorded by chance? I would love to review what I missed there at the beginning.

I know our neighborhood might sound like a broken record with this, but the street light issue that kept coming up during is of paramount concern. Not a week goes by where I don't see my life flash briefly before my eyes when taking a left turn onto Sunset Blvd from Everett street, and this is a feeling that is shared by an overwhelming majority of the residents. This new development will no doubt create increased parking and traffic activity on Everett Street, making our only entry / exit point onto Sunset all the more congested and prone to accidents.

I remember Dana Sayles saying at some point that she had shared her contact information with a few of the residents on our street. Is there any way I could get that information as well? And Dave Rand--did he replace Jorge Plascencia as the field rep for CD-1? We had been working with Jorge prior about some safety concerns on our street, but after he left we were not given any follow up contact.

Many thanks,
Evan Whale

Esther Ahn <esther.ahn@lacity.org>

comment on new development at Sunset & Everett

1 message

Josh Fruhlinger <jfruh@jfruh.com> Sun, Mar 31, 2024 at 9:56 AM
To: esther.ahn@lacity.org

Hello Ms. Ahn! My name is Josh Fruhlinger and I live at 1179 Bellevue Ave, near the new proposed development at Sunset & Everett in Echo Park. I am writing to go on the record as being very much in favor of this development. Currently the empty lot is a hole in the neighborhood and I think having actual people living there would be great. I am particularly excited that so many of the units would be set aside for affordable housing.

The one request that I would have would be to ensure that construction be staged in such a way that pedestrian access to that side of the street be maintained as much as possible. There's a bus stop over there and this is a fairly long stretch of Sunset where there aren't that many lights, so if pedestrians can't cross at Marion they would have to double back to get to Guisados and other destinations on that side of the street.

If you are interested in getting in touch with me further, feel free to email or call me at 443-739-2157.

jf

Esther Ahn <esther.ahn@lacity.org>

Public Hearing Followup

2 messages

Matt Morello <matt@siliencefilms.com> Tue, Apr 16, 2024 at 2:34 PM
To: esther.ahn@lacity.org

Hi Esther,

Matt here, I spoke in the public hearing today.

I raised my hand in the meeting a second time because I assumed we were going in order of the list of Actions Requested, and my second comment was in regards to Action 2b.

2b cites an off menu incentive to allow a 30 percent reduction in required open space to allow 24,540 square feet in lieu of otherwise required 35,050 square feet. I was not given a chance to voice my favor for this action; this space could be allocated to parking, correct?

Further, to comment on Dana's followup, I would like to note that reducing parking to mitigating cost and get a low-income housing discount is reprehensible. Her claims that this will not overflow or overburden Everett Park is simply factually inaccurate.

What action can we as a community take to request 2b to be enforced and increase parking space? What other actions can I take to voice my dissent towards the project?

All the best,
Matt Morello

Esther Ahn <esther.ahn@lacity.org> Tue, Apr 16, 2024 at 3:26 PM
To: Matt Morello <matt@siliencefilms.com>

Hi Matt,

I will be saving this email for inclusion in the public record and case file, and you're welcome to send additional correspondence from now until around July which is when I'll need to wrap up the case file. All correspondences received, and comments heard during the hearing, will be included in the staff report to be presented to the City Planning Commission who is the decision-making body for this project. In addition, you can submit written comments by emailing cpc@lacity.org when we're closer to the CPC date and the Commissioners will be able to view those letters on the day-of. (You'll need to at least wait until the Agenda is created about 10 days beforehand so you can reference the Agenda Item number.) Lastly, there will be another hearing on the date of the CPC meeting (July 11th, currently) that involves Planning, the Applicant team, and the Commissioners where you can verbally make testimony.

Hope this helps. Many thanks
[Quoted text hidden]

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LOS ANGELES CITY PLANNING

Esther Ahn
City Planner
Los Angeles City Planning
200 N. Spring St., Room 763
Los Angeles, CA 90012
T: (213) 978-1486 | Planning4LA.org
E-NEWS

Esther Ahn <esther.ahn@lacity.org>

Absolute Opposition to the SUNSET + EVERETT Development Project

1 message

Mike Carreon <hello@mikecarreon.com> Fri, Oct 20, 2023 at 3:49 PM
To: esther.ahn@lacity.org

Mike Carreon
981 Everett St
Los Angeles, CA 90026
October 20, 2023

Esther Ahn
City Planner
Los Angeles City Planning
200 N. Spring St., Room 763
Los Angeles, CA 90012

Dear Esther,

As a resident of Everett Street, I am writing to **strenuously object** to the proposed SUNSET + EVERETT development project for the following reasons:

Intolerable Density Increase: This project, with its vast mixed-use blueprint, threatens to inundate our neighborhood. The inclusion of 400+ units will lead to untenable levels of congestion and an overwhelming demand on our already stretched local resources.

Infrastructure Strain: The amalgamation of numerous residential units and commercial spaces will intensify the demand on local utilities, including sewage, water supply, and more. Our utilities, already working at peak capacity, will be hopelessly overwhelmed by this project.

Traffic and Parking Disaster: Dodgers game days are traffic nightmares for us. So much so that we have to plan our daily lives around them to prevent getting stuck on Everett (which does not have an outlet street or a traffic light). The limited parking spaces proposed, in light of the monumental development scale, are a drop in the ocean. Since there are already more than a dozen cars double parked on our street any given night, I shudder thinking of how many of the property's residents with more than one car will permanently seize our spaces to supplement their lack of parking. The traffic/parking nightmare will be exacerbated, leaving Everett Street residents held hostage by the overcrowded chaos this property will most definitely create.

Eradication of an Iconic Landscape: Everett Park, the heart of our community and a celebrated cinematic landmark, faces the bleak prospect of its renowned view being obliterated and obstructed. The noticeable reduction in green spaces will not only adversely affect our local ecosystems and diminish the overall green ambiance of our neighborhood, but it will deprive future generations of seeing Los Angeles without obstruction. I added a picture of the view for reference below -- now imagine that view only being available to the wealthy residents of this new property. Because even though they offer low-income housing, we all know that the obligatory low-income units will be in the most inconvenient and viewless spaces.

Looming Shadows and Invasion of Privacy: In addition to losing the iconic Everett Park view, the towering structure will cast a permanent gloom of shadows on adjacent properties, robbing them of sunlight and further encroaching on their privacy.

The Gentrification Avalanche: Our area is already grappling with gentrification -- a street literally named "Mayflower Court" was recently added on Everett just shows how blatant this take over. This development is a catalyst for uncontrolled gentrification, elevating living costs and inexorably pushing out long-standing community members. This project will skyrocket the cost of living, forcing many residents to, once again, relocate against their wishes so a select wealthy few can line their pockets.

Noise Onslaught: Its proximity to main roads and transport nodes promises relentless noise disruption. The onslaught of noise from the surrounding roads and transportation hubs will shatter the serene environment hideaway that Everett Street residents cherish.

Environmental and Geological Disaster in the Making: Critically, the land earmarked for this project bears a tainted legacy as a former oil well site. This poses significant hazards, with fault lines and methane concerns presenting real and immediate dangers. Building on such unstable ground is not just ill-advised; it's a potential catastrophe waiting to happen. Should something happen, the builders won't shed a tear, but we, residents of this community, will suffer.

The SUNSET + EVERETT proposal does not stand up to scrutiny. This is not a mere disagreement; it's an urgent call for our community. Being close to Dodgers Stadium, we can't help being reminded that Los Angeles has already displaced so many of its residents for commercial profits... So I beg you, please do not give in and let the city make the same mistake. Please fight for our community as if it were your own.

Preserve Our Community, Prioritize People Over Profit!

It is for these reasons I implore the City Planning Department to halt this project and listen to the collective voice of concerned citizens.

Warm regards,

--
Mike Carreon
Hello@MikeCarreon.com

Esther Ahn <esther.ahn@lacity.org>

1185 W. Sunset Public Hearing Comments

2 messages

Shalane Miller <shalanemiller@gmail.com> Tue, Apr 16, 2024 at 2:53 PM
To: Esther.ahn@lacity.org

Hello Esther,

My name is Shalane Miller, and I am a ten year resident of Everett street. I wasn't able to speak during the hearing, but I would like to add my comments.

1. During the hearing, it was mentioned that the height of the building is standard, but it would actually be quite large for the neighborhood. Perhaps it's standard for Los Angeles, but not for Echo Park specifically. A similar building recently built on Sunset, the perforated building at 1313 W Sunset, is not nearly as massive. I believe it is only five stories. If you visit the area or even look at the surroundings on Google Maps, it's obvious that a structure of this size will burden the neighborhood and existing residents.
2. There has already been disruption on Everett street due to other construction, thus reducing the quality of life for existing residents as mentioned during the hearing. I believe this is important to note, although dismissed by Dana Sayles. Why are there no restrictions on the density of new construction in an area? There are currently three active construction sites on Everett street.
3. As a ten year resident, I recognize that I am not native to the area and fear this project will deeply impact the families in the area and contribute to gentrification. This will inevitably drive up already high rent prices for the surrounding areas, and push native residents out of their homes.

Thank you for considering my comments.
--
Shalane Miller
m.610.533.7011

Esther Ahn <esther.ahn@lacity.org> Tue, Apr 16, 2024 at 3:29 PM
To: Shalane Miller <shalanemiller@gmail.com>

Good afternoon,

Thank you so much for following up with your written comments, even though you weren't able to speak verbally at the hearing.

I am confirming receipt of your comments for inclusion in the case file and public record.

There will be another opportunity to make written and verbal comments when we're closer to the City Planning Commission meeting date (July 11th), as the Commissioners are the ultimate decision-maker for this project.

Many thanks again,
Esther
[Quoted text hidden]
--

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E-NEWS

Richard Courtney
1001 Everett Street
Los Angeles, CA. 90026

CPC-2023-5528-DB-SPR-HCA
EVN-2023-55292-SCEA
October 15, 2023

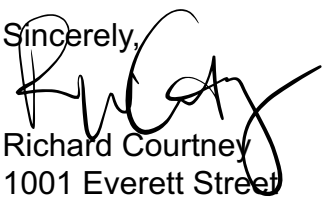
Dear PLUM Member, Planning, EPNC,

I am writing regarding the project at 1185 Sunset Blvd, that is being expedited through planning. This is the second iteration of this project. I was involved in the early proposal since 2014. A team was working with Fred Shafer, CD 1 planning offices, the EPNC, the Echo Park Improvement Association, and key community members. Throughout that process we worked for nearly a year laboring towards an approval of a 204-unit project. We investigated the impacts of the project on the stakeholders and geological regard as well as reflecting Angeleno Heights, one of the oldest neighborhoods in Los Angeles. We had petitions with over 12000 signatures and the community was very engage in a solution. This current project has doubled in size and is being steam rolled through without any input from the surrounding neighbors or regard to the land on which it is being built. I live within 500 feet of the project and the first contact I received information was on September 29, 2023, Dana Sayles. There should have been better outreach to the community before this time. Inexcusable.

I do not support this project as currently stands. There are many impacts that are being ignored, the over population, the crowding into the homes and traffic are embarrassing, but that has been dealt with by the Zone change by the city, so that is mute. But it seems that this project is way out of scale for the Community Design Plan. Additionally, what will forever be present are the earthquake fault lines and the oil wells. These are dangerous and harmful and are being swept under the rug. This a massive red flag for any governing body and environmentalist; the methane and faults being paramount to any approval. I would encourage you to dig deeper in any EIR study and report and not approve this project for the safety and health of all stakeholders. I would be glad to work with a committee to address concerns of the neighborhood and people who are impacted by this project. We have spent many days on this project, and it seems all for nothing. A project this large requires MUCH more research on impacts to the land and area and not to be pushed through planning, especially given that this tract of land has many concerns.

Please oppose this project, invoke an order to work with the neighboring community so a project may be built and require more scientific research that will uncover the impact of that building on this site. As stated earlier, it will be dangerous and harmful for anyone within 500 feet of this building.

Sincerely,



Richard Courtney
1001 Everett Street